

STM M28 Omni-purpose Module

Injection-moulded all-purpose loudspeaker cabinet which fulfils the role of downfill, providing 90°/120° of horizontal dispersion and 0° to 15° splaying angle between modules. Same width as M46, 2/3 height, the M28 can also be used independently from M46 or B112.

- 2 x 8 inch LF Drivers
- 2 x HF Compression Driver
- 141dB peak SPL
- Frequency response: 65Hz-19kHz
- H234mm/W575mm/D653mm
- 37Kg/82lb



Specifications

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

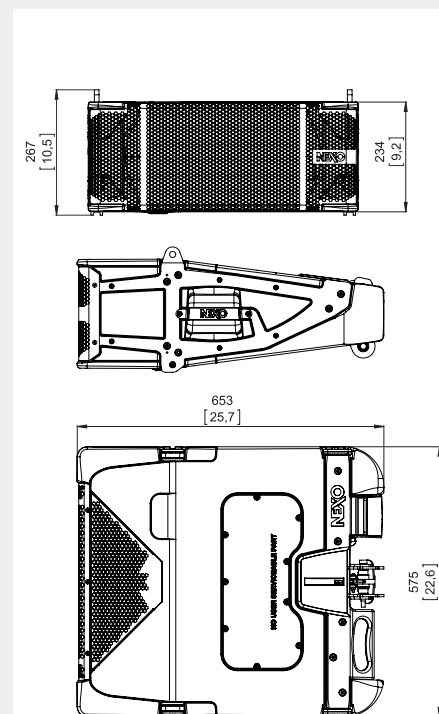
PRODUCT FEATURES

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

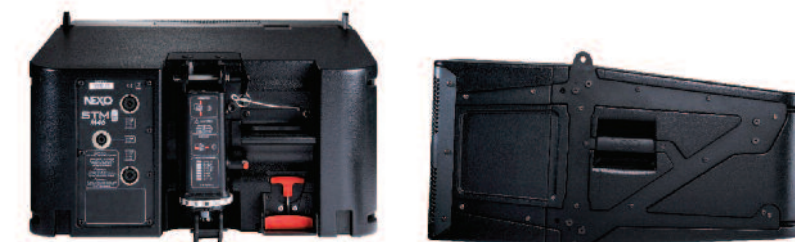
Dimensions



STM M46 Main Module

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.

- 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



Specifications

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

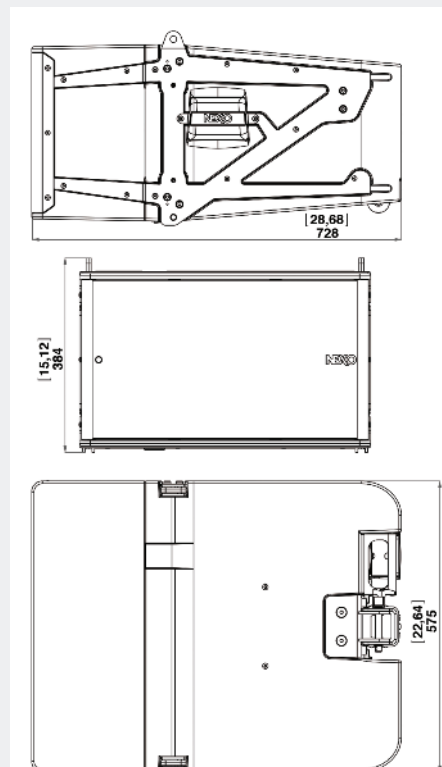
PRODUCT FEATURES

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, Ketone 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 NLT8-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

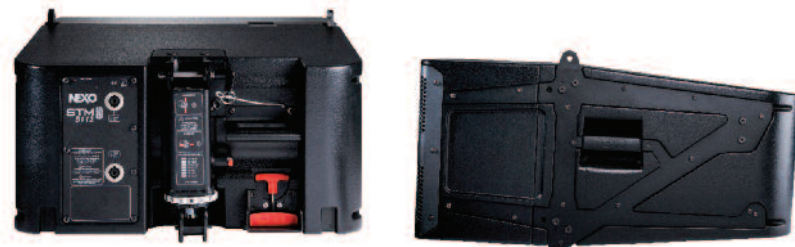
Dimensions



STM B112 Bass Module

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.

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



Specifications

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

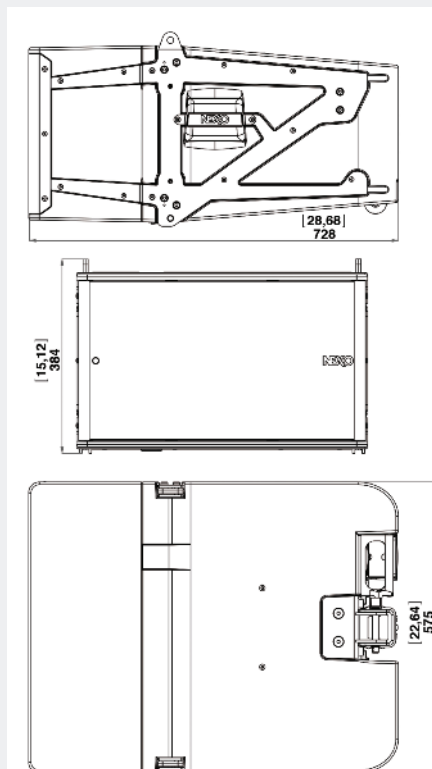
As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.

[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.

Dimensions



STM S118 Sub Module

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.

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



Specifications

STM 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 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

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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.

Dimensions (outermost)

