



Injection-moulded all-purpose loudspeaker cabinet which fulfils the role of downfill, providing 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
- 4 x 4 inch MF Drivers
- 1 x HF Compression Driver
- 140dB peak SPL
- Frequency response: 60Hz-20kHz
- H233mm/W575mm/D715mm
- 38Kg/84lb

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.

STM M28 'Omni' Module

Specifications

STM M28 with NXAMP 4x4

Frequency Response [a]	60Hz – 19kHz ±3dB
Usable Range @-6dB [a]	55Hz – 20kHz
Sensitivity 1W @ 1m [b]	106dB SPL Nominal
Nominal Peak SPL @ 1m [b]	140dBPeak
Dispersion [c]	120° Horizontal x 0-15° vertical
Crossover Frequency	LF-MF: 300Hz (Active) – MF-HF: 2.2 kHz (Passive)
Nominal Impedance	LF: 8 Ω (6 Ω min) - MF/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) 8 Ω high excursion drivers MF: 4 x 4" (10cm) 8 Ω flat membrane drivers HF: 1 x 2.5" voice coil, 1.4" throat Neodymium 16 Ω drivers, Kepton Polymer diaphragm	
Height x Width x Depth	233 x 575 x 715 mm – 13.78" x 22.64" x 28.15"	
Weight : Net	38 kg – 84 Lb	
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.
SubBass	STM S118 extends system low frequency response down to 25Hz
Speaker Cabling	1-/1+: LF - 2-/2+: MF/HF