



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 Kepton 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
- 55Kg/121lb
- Dispersion 90° H x 0-10°V

STM M46 Main Module

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]	145dBPeak
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, Kepton Polymer diaphragm	
Height x Width x Depth	350 x 575 x 715 mm – 13.78" x 22.64" x 28.15"	
Weight : Net	55 kg – 121 Lb	
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.
SubBass	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