



Australian Monitor

NRG500

The **NRG500** is a high power fullrange 2 way passive loudspeaker system designed for a multitude of critical professional audio applications where compact size, low distortion and high output capability are the major considerations. The compact size and the 30 degree trapezoidal cabinet construction, allow for easy flying of multiple array groups to form side or centre clusters in confined areas, with well controlled accuracy and predictable dispersion characteristics.

Avoiding the need for ancillary control electronics, the passive **NRG500** provides high dynamic, high efficiency output from an ultra compact enclosure. The two way system utilizes a proprietary 380mm (15") low frequency driver combined with a 25mm (1") compression driver mounted on a 90 x 40 degree constant directivity horn,

Complex and robust in design and construction, the unique **NRG500** 'Network Manager' provides equalization for both, horn / compression driver resonance and power response in the constant directivity horn. Accurate filtering allows for a smooth transition between low & high frequency drivers at the critical crossover point. The resulting smooth frequency response and phase coherence provides well defined clarity and detail.

The low frequency section is designed to a stable QB3 alignment giving excellent transient response and providing the ability to handle heavy bass equalization. This alignment allows higher displacement-limited power handling than typical ported cabinets hence the massive power rating for a single 380mm (15") system.

The **NRG500** is fabricated from high density plywood with internal bracing, it comes supplied as standard with two heavy duty steel bar handles and stand mount. The steel grille is powder coated for durability and the enclosure is finished in heavy duty black carpet with steel protective corners. Flying points are an available optional.

SPECIFICATIONS

Frequency Response:	52Hz - 20kHz +/- 3dB.	Enclosure Type:	Vented, High density plywood, Trapezoidal.
Rated Power:	350 watts continuous program, 500 watts peak music program	Input:	Dual parallel SPEAKON or XLR.
Maximum SPL:	124.5dB continuous, 126dB peak.	Grille:	Perforated steel powder coated.
Sensitivity:	99dB 1watt / 1 metre.	Dimensions:	W x H x D, 480 x 710 x 400mm (19.2" x 28.4" x 16")
Crossover:	1500Hz, passive, 2nd order Linkwitz-Riley.	Weight:	27.5 Kgs (60.5 lbs)
Impedance:	8 ohms nominal.		
Bass Driver:	Proprietary 385mm (15") 77mm (3") edge wound voice coil		
Compression Driver:	Proprietary 25mm (1") throat.		
Horn:	90 x 40 degree constant directivity.		

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