

# DM630

## Floor-standing loudspeaker system

### Product Summary

- The 600 series takes its place in a distinguished family tree that includes the world renowned Matrix 801 and the Matrix 802. Something of this superb pedigree was bound to rub off. In the same way that a luxury car benefits from racing technology, a 600 series loudspeaker system brings with it the pleasure of acquiring the worlds leading acoustic expertise with inherent good value that will be music to your ears.
- The more profound bass delivery is made possible via the impressive 52 litre enclosure. The high excursions needed to extend the low frequency range to 40Hz are provided by two active 8in polypropylene-coned low frequency units which also enable higher system power handling because of the shared LF load.
- The lower LF unit is progressively rolled off above 300Hz to maintain vertical dispersion in the midrange, especially at the critical point at which the crossover to the high-frequency unit occurs.

### Technical highlights

- An integral feature is magnetic fluid cooling which combats compression by reducing the temperature of the delicate voice coil in the tweeter at high frequencies.
- The practice of flush-mounting units into stylised moulded baffles has been implemented in the 600 Series. This, together with the bevelling of baffle edges, helps to fight diffraction and produce a cleaner sound. The front polymer compound baffles and the high density fibreboard sub-baffles combine to bolster the structure, and reduce radiation from mechanical cabinet vibration. This is further improved by internal bracing of the cabinet walls.
- The proven provision of being able to bi-wire or bi-amplify the system is present. Two sets of top quality, gold plated terminals are present to enable individual inputs for the high and low frequency units.



<b>Description</b>	3 way 4th-order variable port, bass reflex digital monitor system with bi-wiring	<b>Frequency Response</b>	53Hz – 20kHz ± 2dB on reference axis
<b>Drive Units</b>	1 x 26mm high frequency with metal dome, high-temperature voice coil magnetic fluid cooling	<b>Sensitivity</b>	91dB spl(2.83V 1m)
	2 x 200mm bass/midrange with rigid die-cast chassis, reinforced polypropylene diaphragm and 31mm high temperature voice coil on Kapton® former	<b>Nominal Impedance</b>	4 ohms
		<b>Power Handling</b>	25W – 150W into 8 ohms on unclipped programme
		<b>Dimensions</b>	Height: 850mm Width: 236mm Depth: 407mm
		<b>Finish</b>	Simulated veneers of walnut or zelda



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