



VRM12

Two-Way Coax Monitor/PA Loudspeaker

VRM12: TWO-WAY COAX MONITOR/PA

The VRM12 is engineered for superior performance as a floor monitor and as a stand-mounted portable PA speaker. The low-profile, dual-angle enclosure houses a 12-inch coaxial driver that cuts through stage volume with high output capability. Coherent point source reproduction helps deliver crisp speech for meetings and presentations, while the 12-inch LF driver delivers full range musical sound.

The cross-ply laminated birch enclosure includes loop-thru Neutrik NL4 Speakon jacks on either side to minimize cable runs and clutter on stage. Rubber feet stabilize the enclosure on the floor. A pole mount cup and integral handle are included for stand-mounting and transport.

The VRM12 is available in either black or white finish. A foam-backed powder-coated steel grill protects the driver. The entire loudspeaker is fully tested at the time of manufacture and is warranted to be free from defects in materials and workmanship for a period of five years from the date of purchase.

FEATURES

- .. Coaxial 12-inch/1-inch full range driver
- .. Wide-angle 90° x 90° (nominal) HF beamwidth
- .. Enclosure has both 30° and 45° wedge angles
- .. Pole mount cup allows use as portable PA
- .. Integral passive crossover network allows economical single-amplifier powering



APPLICATIONS

- .. TV studios
- .. Houses of Worship
- .. Theaters
- .. Audiovisual Presentation
- .. Portable PA
- .. Performing Arts
- .. Classrooms

SPECIFICATIONS

PRODUCT DATA

Model Name	VRM12
Part Number	Black: 0010102 White: 0011351
File creation date	7/29/2004

SPECIFICATION SHEET TABULAR DATA:

Descriptive Data			
Ways	Type	Mode	
2-way	Full-Range	Single Amp	

CONFIGURATION

Subsystem Transducer	Loading
LF	1x12 in cone — Sealed
HF	1x1 in exit compression driver — Horn-loaded

PERFORMANCE

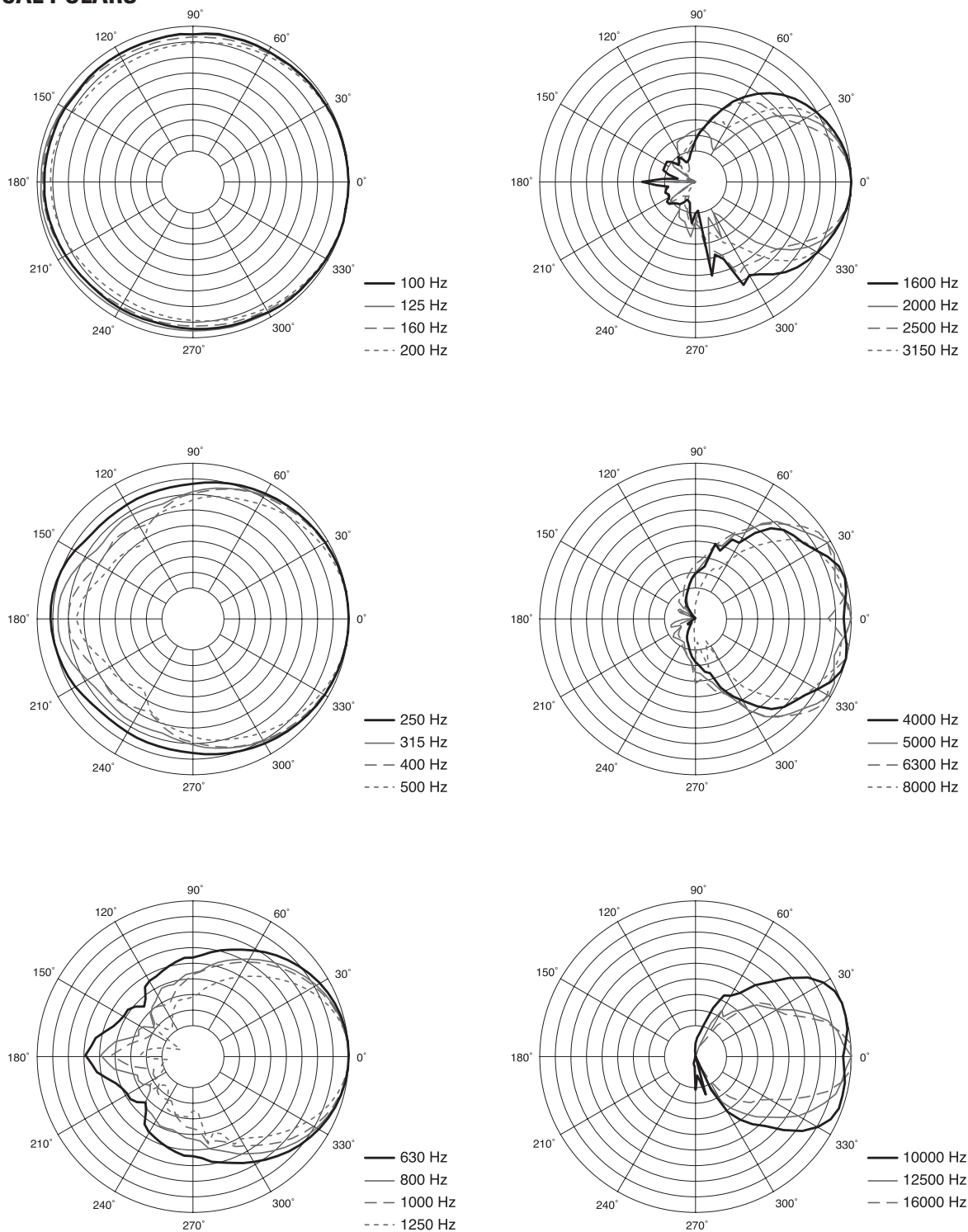
Operating Range	73 Hz to 20000 Hz	
Nominal Beamwidth		
Horizontal	90°	
Vertical	90°	
Axial Sensitivity (whole space SPL)		
94 dB	73 Hz to 20000 Hz	
Peak Sensitivity (whole space SPL)		
97 dB	20 Hz to 20 kHz	
Input Impedance (ohms)	Nominal	Minimum
	8	6.6 @ 200 Hz
Recommended High-Pass Filter		
High Pass	=> 60 Hz, 24 dB/octave Butterworth	
Power Handling (preliminary)		
300 W	49 V @ 8 ohms	
Calculated Maximum SPL (preliminary)		
	Average	Peak
	119 dB	125 dB



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VRM12 VERTICAL POLARS



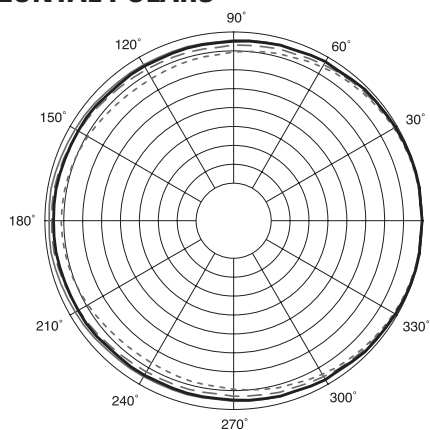
(Chart Scale = 3 dB / division)



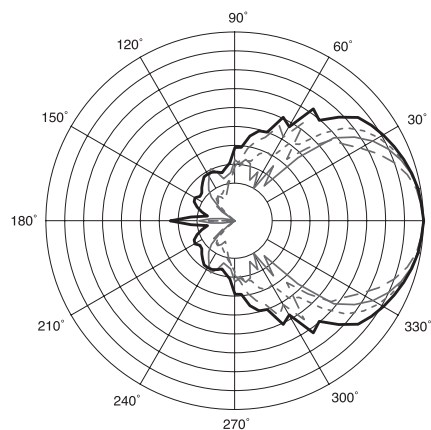
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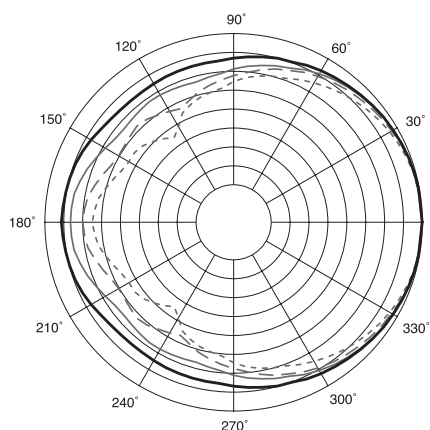
VRM12 HORIZONTAL POLARS



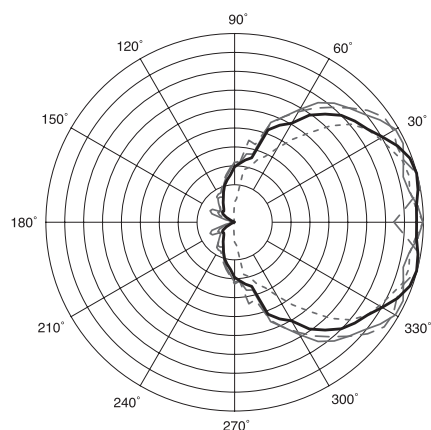
— 100 Hz
— 125 Hz
- - 160 Hz
- - - 200 Hz



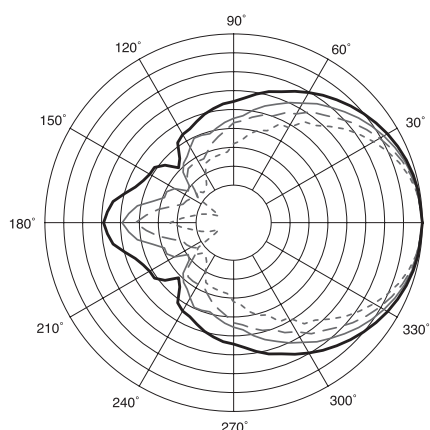
— 1600 Hz
— 2000 Hz
- - 2500 Hz
- - - 3150 Hz



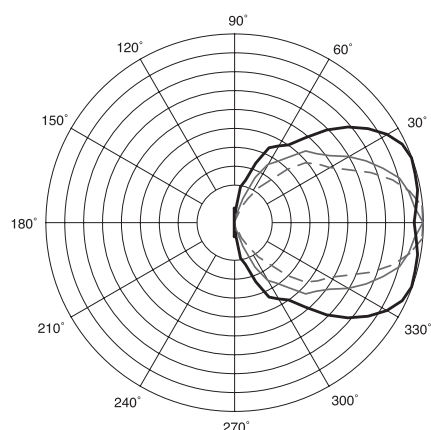
— 250 Hz
— 315 Hz
- - 400 Hz
- - - 500 Hz



— 4000 Hz
— 5000 Hz
- - 6300 Hz
- - - 8000 Hz



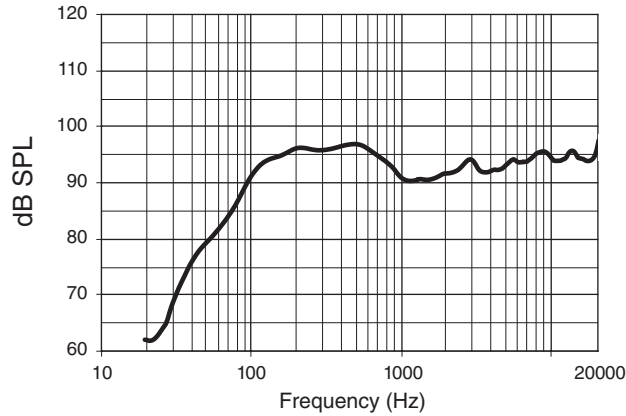
— 630 Hz
— 800 Hz
- - 1000 Hz
- - - 1250 Hz



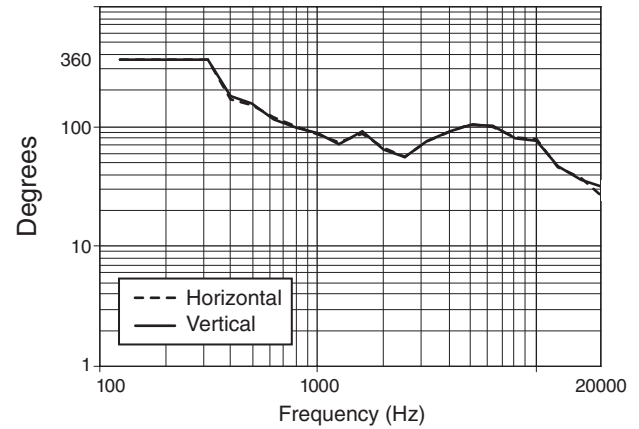
— 10000 Hz
— 12500 Hz
- - 16000 Hz

(Chart Scale = 3 dB / division)

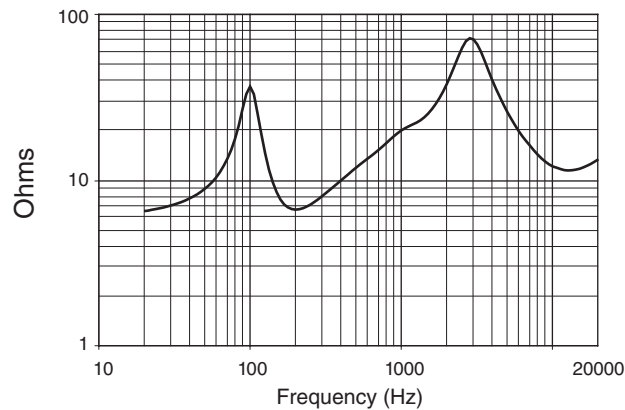
VRM12 FREQUENCY RESPONSE ON-AXIS



VRM12 BEAMWIDTH VS. FREQUENCY



VRM12 IMPEDANCE VS. FREQUENCY



VRM12 DIMENSIONS

