



VR21 TWO-WAY LOUDSPEAKER

THAT WAS THEN. THIS IS EAW.

www.eaw.com

FEATURES

- Both low-Q and high-Q horns included
- Rotatable horns and multiple threaded inserts allow vertical or horizontal mounting
- High SPL full range output with 12 inch LF & 1.4 inch HF drivers
- Integral passive crossover network allows economical single-amplifier powering
- Optional 70 V / 100 V multi-tap transformer
- Optional array brackets for attractive flown arrays with VR Series subwoofers

DESCRIPTION

The VR21 has been engineered as a high output full range solution for a wide range of applications, from music and speech reinforcement to delay or full coverage. Two horns are included with each VR21: the factory-installed low Q horn can easily be rotated or replaced with a high-Q horn as needs dictate. The ability to select among four coverage patterns with either vertical or horizontal mounting makes the VR21 a uniquely versatile solution. High acoustic output capabilities enable the VR21 to deliver clear speech and clean music to large audience areas.

The cross-ply laminated birch enclosure includes several threaded mounting points, suitable for use with either forged shoulder eyebolts or a user-supplied OmniMount 120.0 Series wall mount bracket. Optional array brackets simplify the installation of attractive flown arrays with either the VRS12 or VRS18 subwoofer. Either of these subwoofers has the same height as the VR21. The VR21 is available in either black or white finishes. A foam-backed powder-coated steel grill protects the drivers. 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.



APPLICATIONS

- Houses of Worship
- Night Clubs
- Audiovisual Presentation
- Retail Environments
- Distributed Systems
- Theaters
- Theme Parks

SPECIFICATIONS

PRODUCT DATA

Model Name	VR21
Part Number	Black: 0010075 White: 0011347
File creation date	07/29/2004

SPECIFICATION SHEET TABULAR DATA

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

CONFIGURATION

Subsystem	Transducer	Loading
	LF	1x12 in cone — Vented
	HF	1x1.4 in exit compression driver — Horn-loaded

PERFORMANCE

Operating Range	70 Hz to 20000 Hz
-----------------	-------------------

Nominal Beamwidth (rotatable)

	Factory installed	Supplied (user installed)
Horizontal	90°	60°
Vertical	60°	45°

Axial Sensitivity (whole space SPL)

99 dB	70 Hz to 20000 Hz
-------	-------------------

Peak Sensitivity (whole space SPL)

103 dB	20 Hz to 20 kHz
--------	-----------------

Input Impedance (ohms)

Nominal	Minimum
8	8.8 @ 260 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
124 dB	130 dB

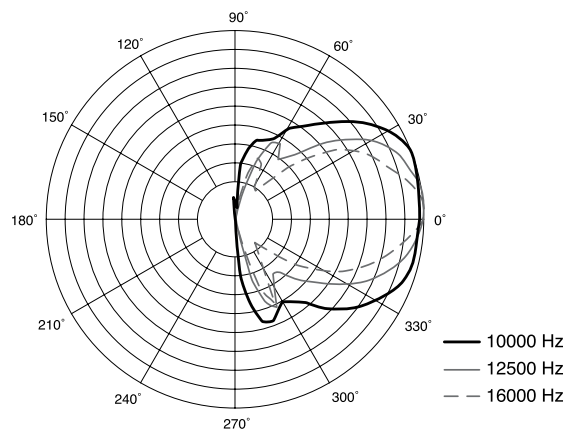
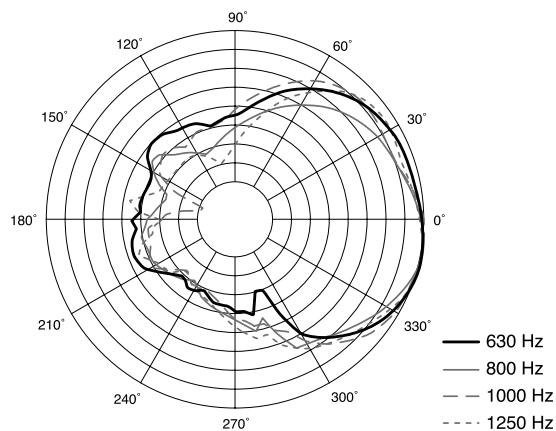
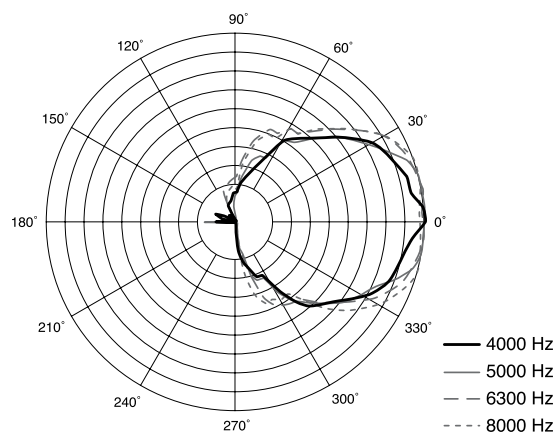
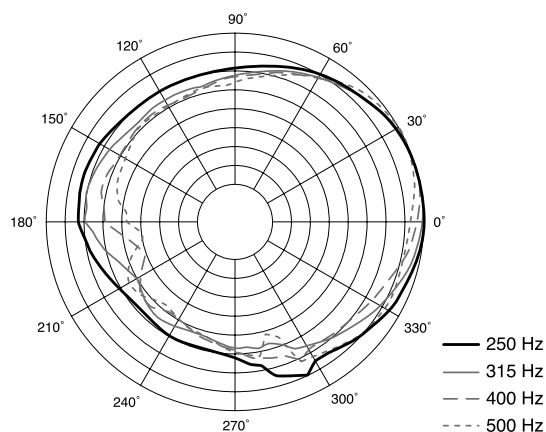
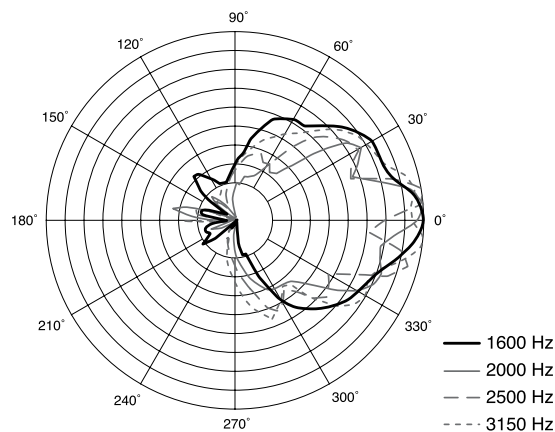
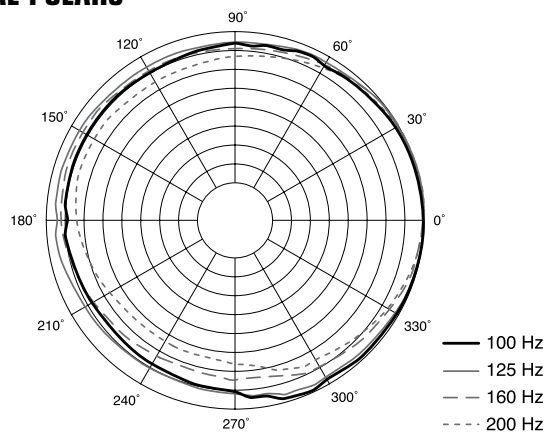


VR21 TWO-WAY LOUDSPEAKER

THAT WAS THEN. THIS IS EAW.

www.eaw.com

VR21 VERTICAL POLARS



(Chart Scale = 3 dB / division)

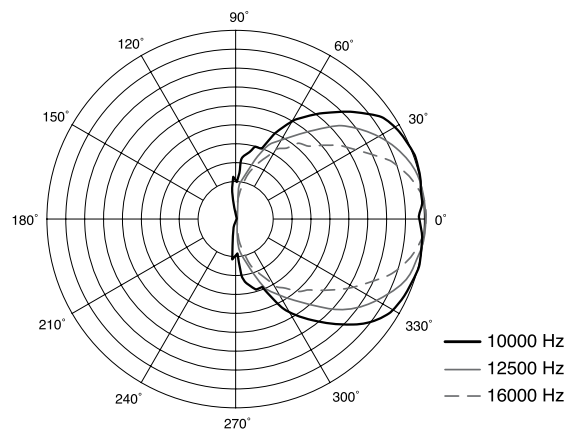
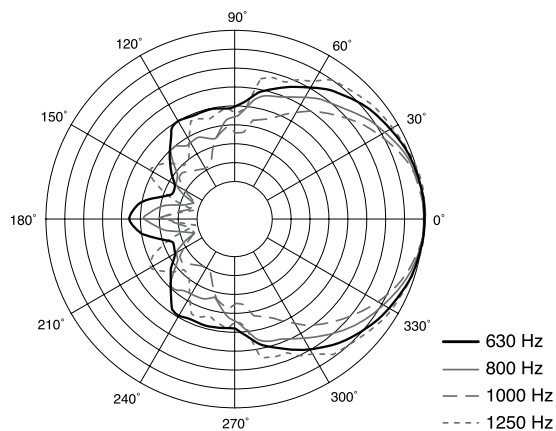
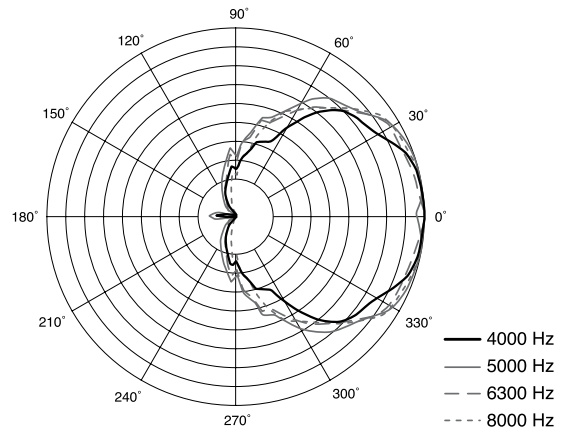
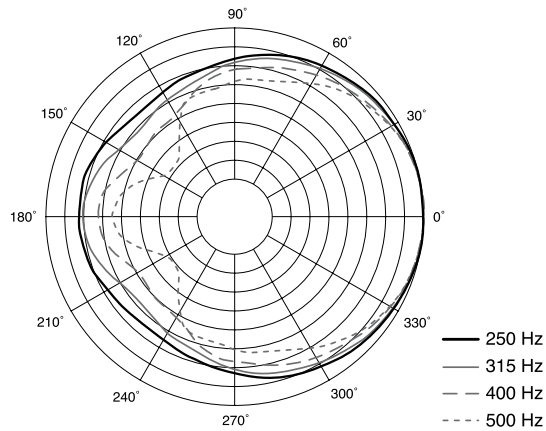
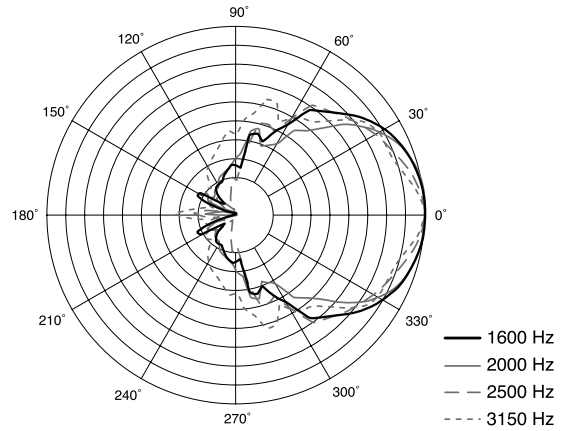
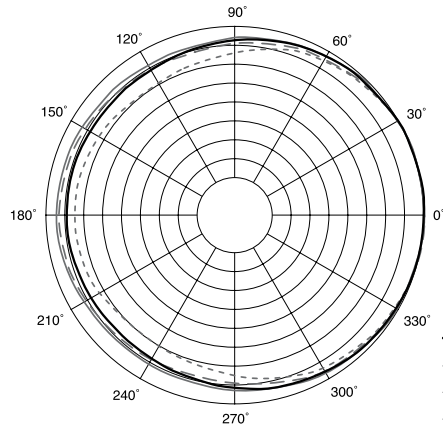


VR21 TWO-WAY LOUDSPEAKER

THAT WAS THEN. THIS IS EAW.

www.eaw.com

VR21 HORIZONTAL POLARS



(Chart Scale = 3 dB / division)

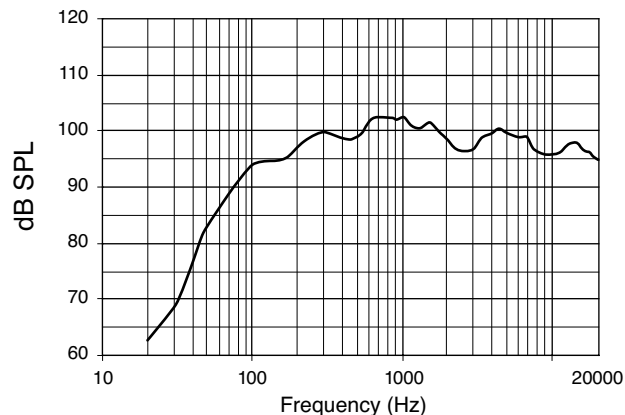


VR21 TWO-WAY LOUDSPEAKER

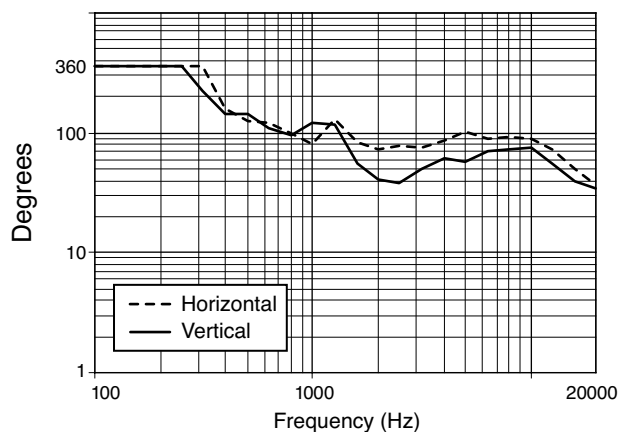
THAT WAS THEN. THIS IS EAW.

www.eaw.com

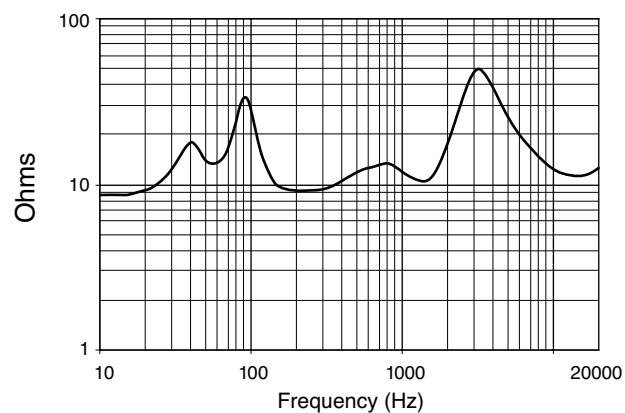
VR21 FREQUENCY RESPONSE ON-AXIS



VR21 BEAMWIDTH VS. FREQUENCY



VR21 IMPEDANCE VS. FREQUENCY



VR21 DIMENSIONS

