

P2110

INDOOR/OUTDOOR TWO WAY COAX SPEAKER SYSTEM



The P2110 is a weatherproof full range, wide-dispersion, coaxial two way loudspeaker system offering substantial power and efficiency for a variety of professional indoor or outdoor applications. The high frequency section is a constant directivity CMD horn loaded to a 1" RCF Precision Neodymium compression driver with a 1.50" diaphragm assembly for smooth, wide dispersion. The low-frequency transducer is a 10" woofer with a 2.5" voice coil. The cabinet is a single piece rotational moulded in medium density polyethylene, fully UV protected.

The cabinet is equipped with 12 x M 8 brass inserts, a stainless steel U-Bracket and pair of spacers for 90° mounting. The front logo is in aluminium and rotatable. The grille is in custom perforated aluminium with open-cell fibres and water repellent woven fabric backing. The system features a selectable line transformer for 70 - 100 Volt applications/ installations, it meets the requirements of IP 55 code (International Protection Rating)

APPLICATIONS

- Outdoor Sound Reinforcement in small and medium spaces
- High-Level AV Playback
- Flown cluster configurations
- Large speech systems
- Music Sound Reinforcement

FEATURES

- Weatherproof cabinet IP55
- Aluminium grill and stainless steel bracket
- One 10" high-output LF transducer with 2" voice coil
- One RCF Precision Neodymium 1" Compression Driver with 1.5" voice coil
- 90° x 40° constant directivity horn
- Built in passive crossover and selectable line transformer
- 10° X 20° enclosure sides for array configurations
- Active Mosfet Compression Driver Protection
- LICC (Low Impedance Compensated Crossover) network
- 12 brass suspension points (M8)

SYSTEM

Freq. Range (-10 db):	95 Hz - 20 kHz
Freq. Range (-3 db):	120 Hz - 20 kHz
Horiz. Coverage angle (-6 db):	90°
Vertical coverage angle (-6 db):	40°
Directivity factor, q:	11
System sensitivity:	95 dB, 1W @ 1m
Rated maximum spl:	124 dB, @ 1m
System nominal impedance:	16 Ohm
System input power rating rms:	200 W
System input power rating peak:	800 W
Recommended amplifier:	400 W
Constant voltage line:	70/100 V
Selectable power:	70V/30W, 15W; 100V/60W, 30W
Hf protection:	Dynamic
Crossover:	2 kHz

TRANSDUCERS

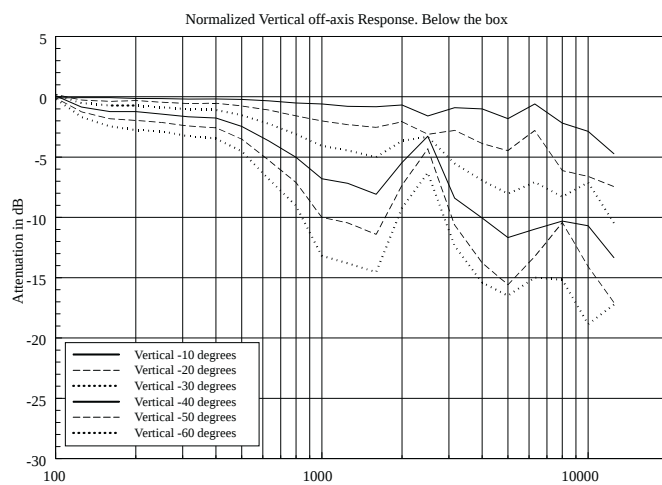
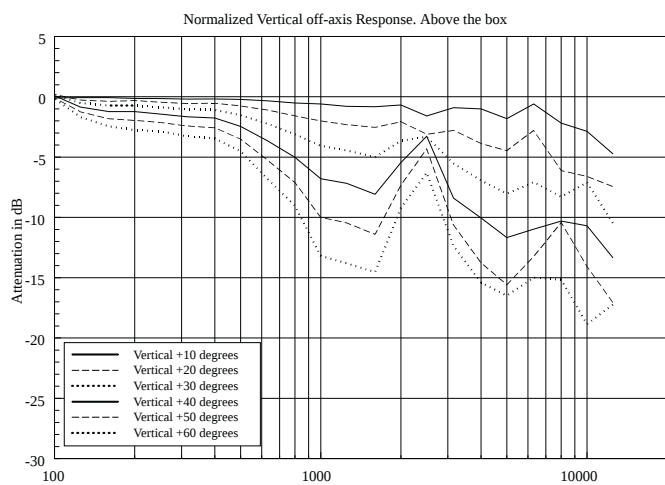
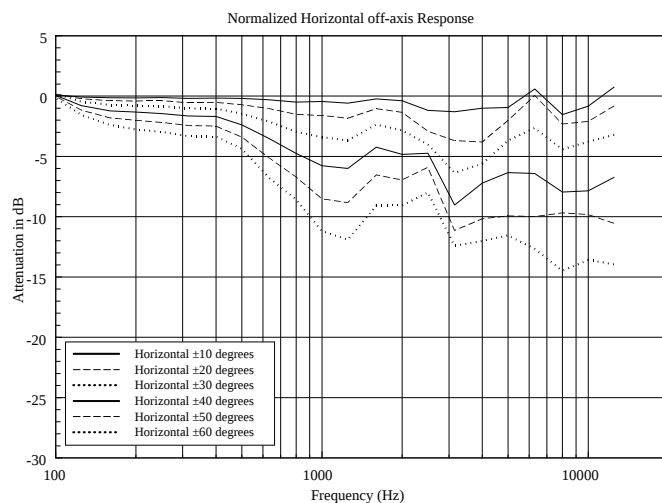
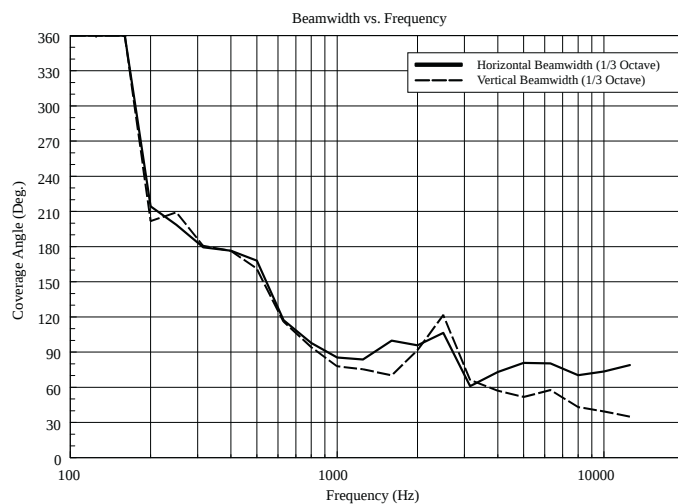
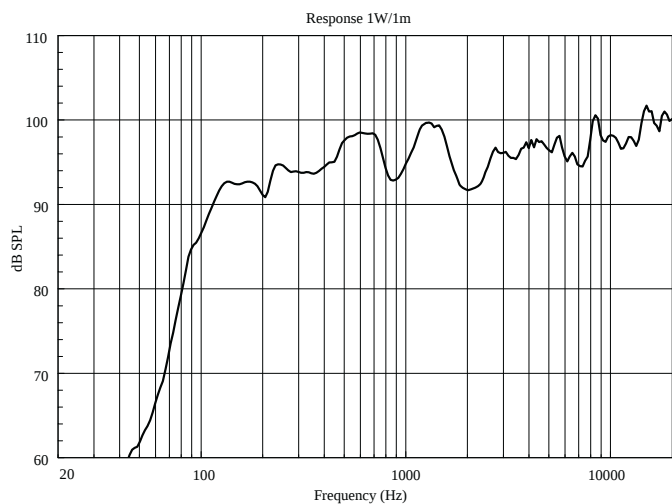
Low frequency:	10" (250 mm) woofer with 2.5" (64 mm) coil
Nominal impedance:	16 Ohm
Input power rating:	180 W AES ; 720 W Peak
Sensitivity:	95 dB, 1W @ 1m
High frequency:	1" (25.4 mm) throat, 1.5" (35.5mm) coil diaphragm assembly
Nominal impedance:	8 Ohm
Input power rating:	25 W AES ; 100 W Peak
Sensitivity:	106 dB, 1W @ 1m

PHYSICAL

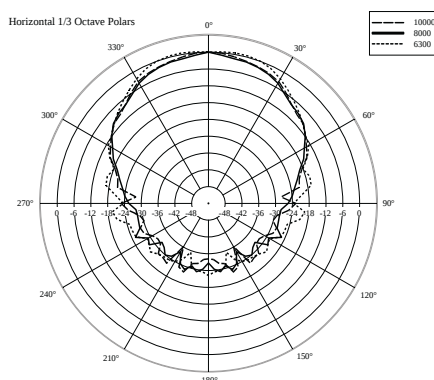
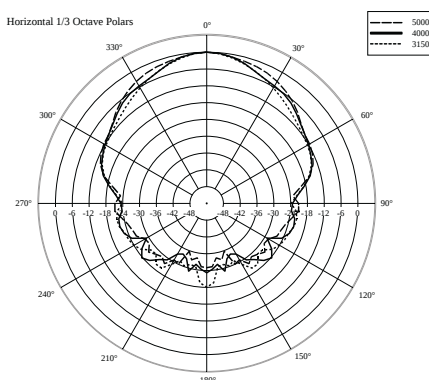
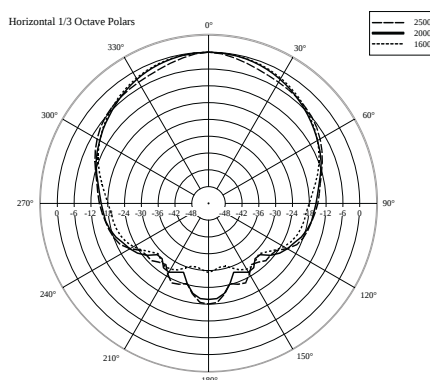
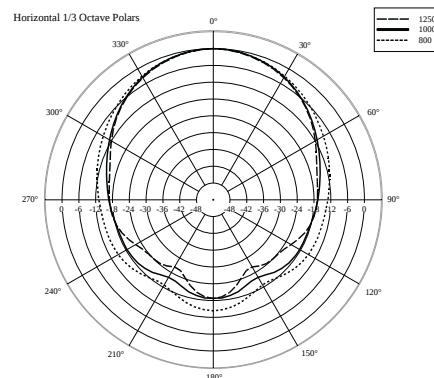
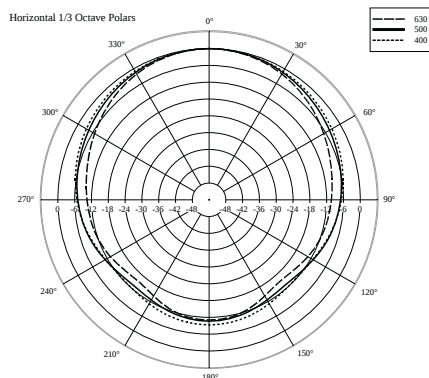
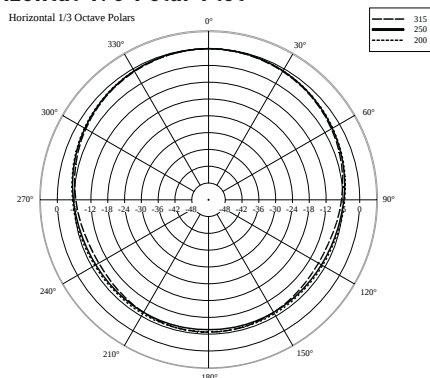
Enclosure:	Trapezoidal, 10° Horizontal side angles, 20° Vertical side angle, 8 mm Polyethylene rotomoulded
Rigging inserts:	12 x M8 + U-Bracket and Pair of spacers
Color:	Gray
Grille:	Custom perforated aluminium grille with open-cell fiber and water repellent woven fabric backing
Input connectors:	4 x 1.5mm square, 5m Neoprene cable
Dimensions (HxWxD):	13.78" x 13.78" x 12.60" 350 x 350 x 320 mm
Weight:	29.75 lb - 13.5 Kg

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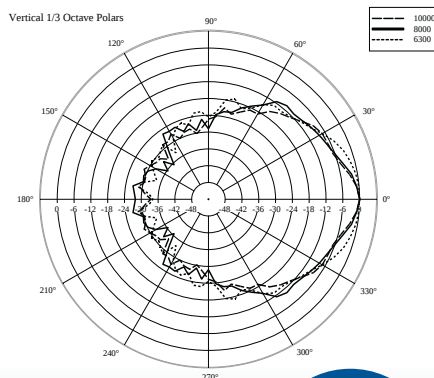
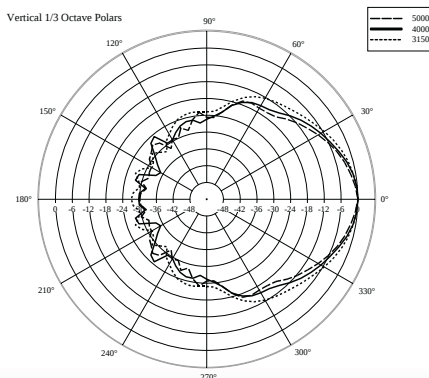
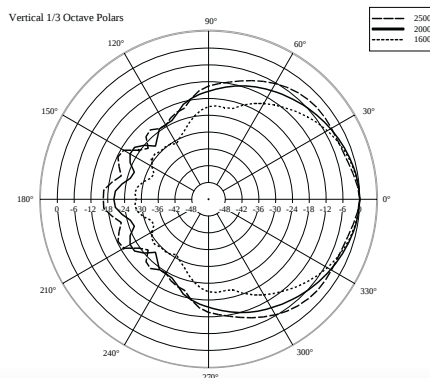
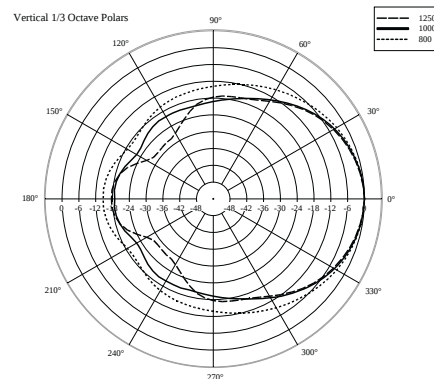
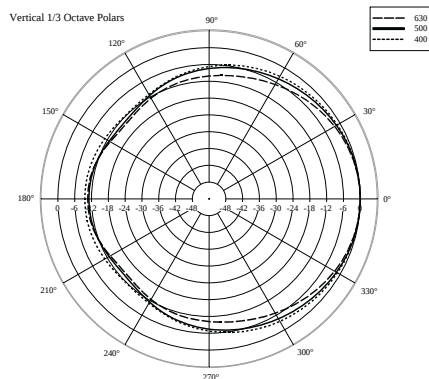
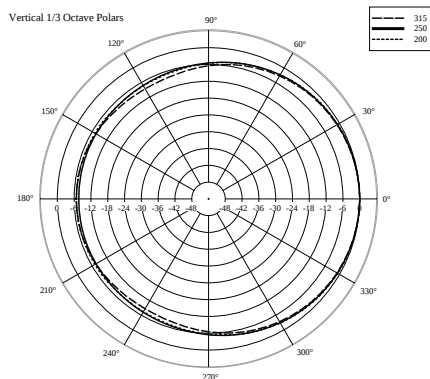




Horizontal 1/3 Polar Plot



Vertical 1/3 Polar Plot



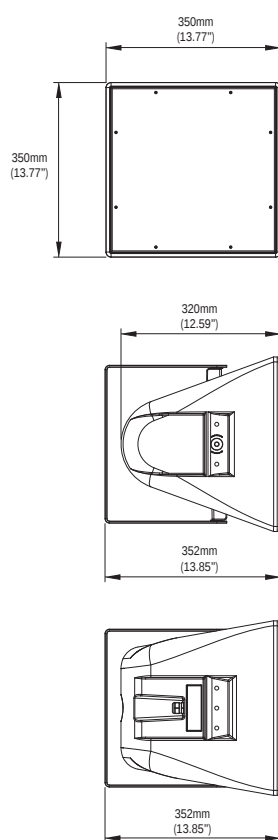
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications.
It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy.
B. Model number: P2110



2.02 Design

Configuration:	Indoor/outdoor two way coax speaker system
LF Sub-section:	10" neodymium woofer, 64 mm voice coil
MR Sub-section:	-
HF Sub-section:	1,0" neodymium, 35.5 mm voice coil

2.03 Acoustical Properties

Nominal dispersion angle:	90° x 40°
Axial frequency range (-10 dB):	95Hz-20kHz
Axial frequency range (-3 dB):	120Hz-20kHz

2.04 Physical Properties

Cabinet:	Polyethylene rotomoulded
Rigging inserts:	12 x M8 + U-Bracket and pair of spacers
Color:	Gray
Grille:	Custom perforated aluminium grille with open-cell fiber and water repellent woven fabric backing
Input Connectors:	4 x 1.5mm square, 5m Neoprene cable
Dimensions (H x W x D):	350 x 350 x 320 mm (13.78" x 13.78" x 12.60")
Weight:	13.5 kg (29.75 lbs.)

2.05 Accessories

AC P10A-BR	Cluster brackets for P2110 (including 4 brackets to cluster 2 speakers)
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