

ART 710-A MKII

TWO WAY ACTIVE SPEAKER



RCF ART 710-A is 2 way active systems offering substantial power for a variety of professional applications that include primary sound reinforcement and supplementary fill for larger systems.

RCF ART 710-A is equipped with a new generation of 700 Watt Digital Amplifier, 500 Watt for the woofer and 200 Watt for the compression driver, and is controlled by a multiway DSP. The result of this is very high output, extremely low distortion and an incredible natural sound. The Dsp takes care of crossovers, equalisations, soft-limiters, rms limiters, large signals compression. The amplifier presents both XLR/jack (Combo) balanced inputs, XLR output link, volume and a switchable EQ Mode (Flat/ Boost).

The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

The compression driver uses a 1" throat diameter mylar dome featuring a vented suspension and is powered from a massive high flux magnet and an edge wound 1,7" voice coil. This top class driver offers a high output, transparent midrange sound and clarity in high frequencies reproduction. RCF ART 710-A features a 10" inch woofer that, with a 2,5" coil and a powerful magnetic structure, guarantees a fast and accurate mid-bass frequency range.

The new loudspeaker design looks aggressive whilst retaining familiar Art ergonomics and is the result of extensive combined functional and acoustic research.

The Art 7 Series two-way system cabinets are moulded in a special polypropylene composite material and are designed to dampen down vibrations even at maximum volume settings. The reflex porting has been resized to offer a better efficiency.

APPLICATIONS

- Nearfield & distributed PA
- Foreground/background music, fill/delay
- Portable and installed audio-visual systems
- Conference centers, presentations, ballrooms and houses of worship
- Compact voice reinforcement systems
- Stage monitoring

FEATURES

- 700 Watt digital bi-amplification, 500 Watt Low Frequency and 200 Watt High Frequency Power
- 129 dB max spl
- Wide dispersion 90 x 70 constant directivity horn
- 10" High power woofer, 2,5" voice coil
- 1" Mylar dome, high frequency driver
- Electronic equalization, soft limiter and protection
- Xlr/jack input, xlr signal output
- 1 ergonomic top handle for easy transportation and positioning

ACOUSTICAL SPECIFICATIONS

Frequency response:	50 Hz- 20 KHz
Max SPL:	129 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	70°
Compression driver:	1.0", 1.7" voice coil
Midrange:	-
Woofer:	10" , 2.5" voice coil

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input/Output connector:	combo xlr-jack/xlr
Input sensitivity:	+4 dBu

PROCESSOR SECTION

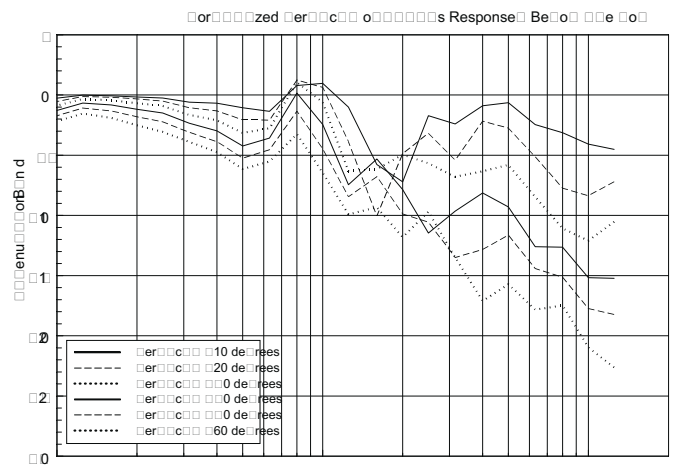
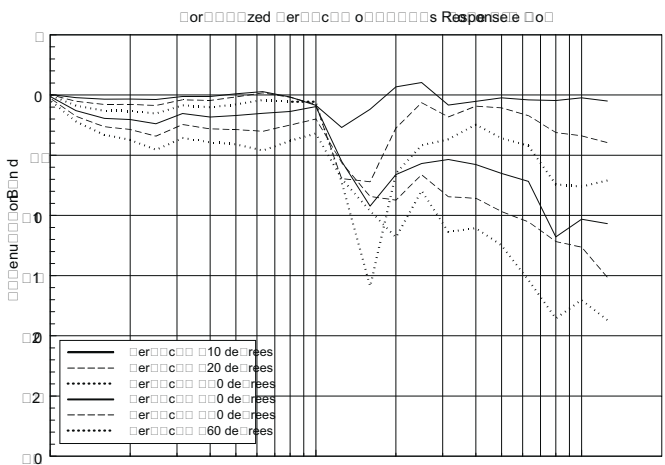
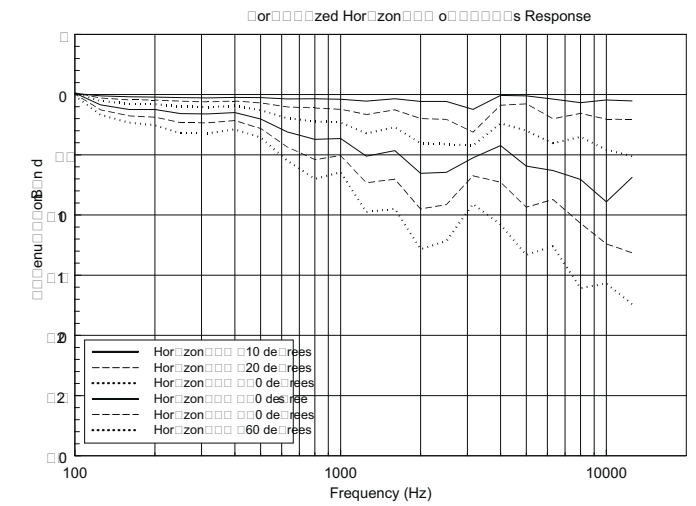
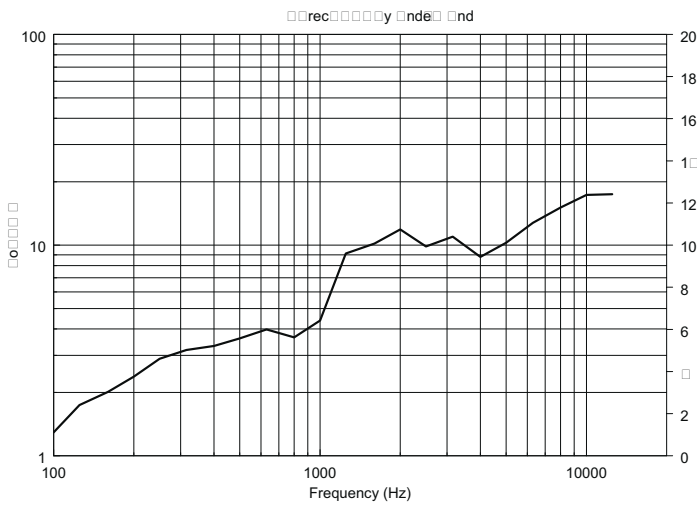
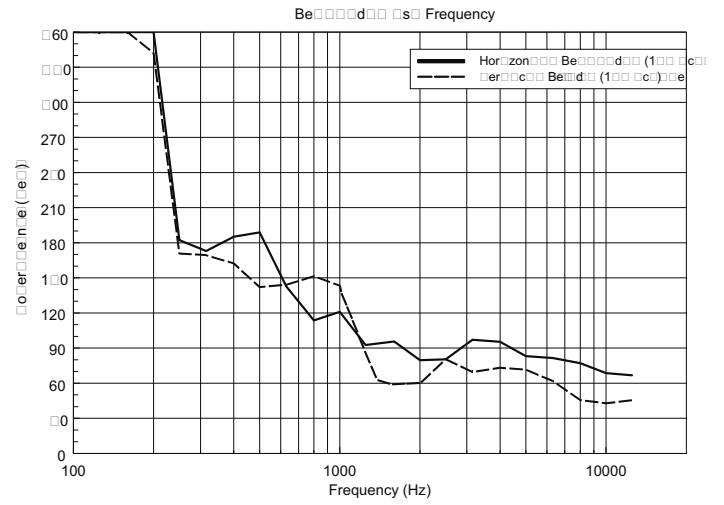
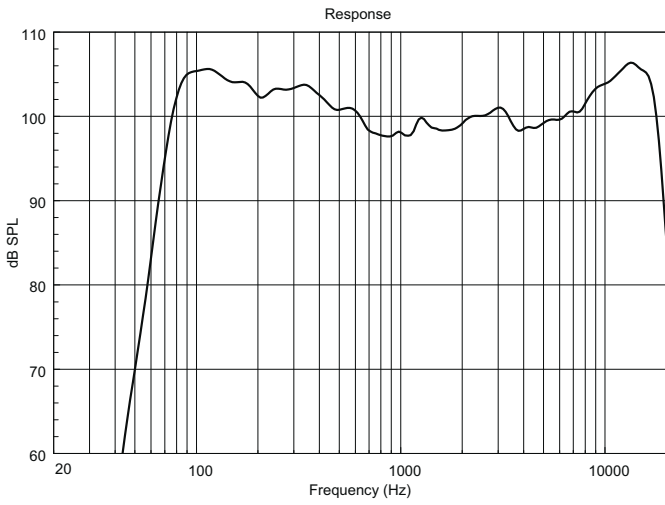
Crossover frequencies:	1700 Hz
Protections:	thermal, hf
Limiter:	fast limiter
High pass:	-
Controls:	volume, flat, boost, mic/line

AMPLIFIER

Power supply:	switching 700 Watt
High frequencies:	D / 200 Watt
Mid frequencies:	-
Low frequencies:	D / 500 Watt
Cooling:	convection/forced
Connection:	VDE

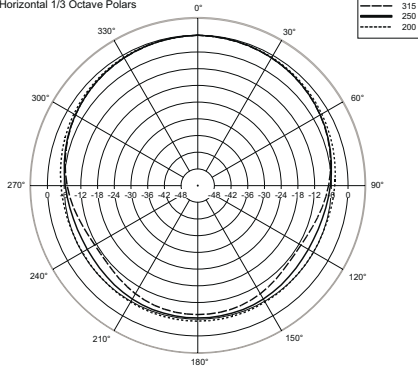
PHYSICAL

Height:	549 mm (21,61")
Width:	340 mm (13,38")
Depth:	304 mm (11,96")
Weight:	14 kg (30.86 lbs)
Cabinet:	Composite PP
Hardware:	2 x M10, pole mount
Handles:	1 top
Pole mount cap	yes
Colour:	Black

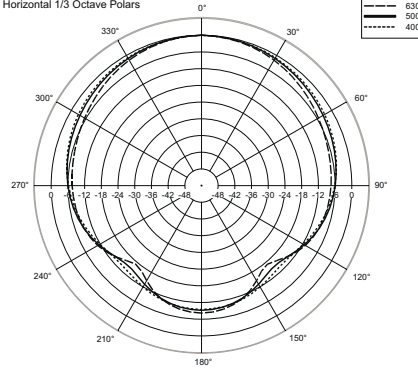


Horizontal 1/3 Polar Plot

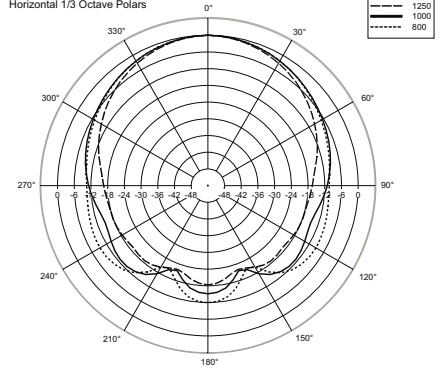
Horizontal 1/3 Octave Polars



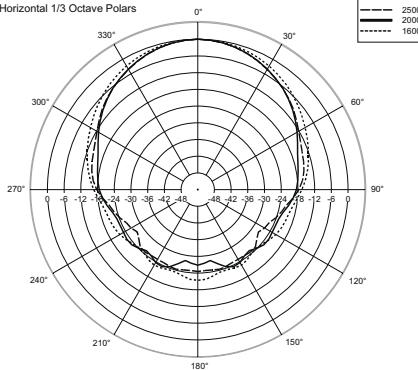
Horizontal 1/3 Octave Polars



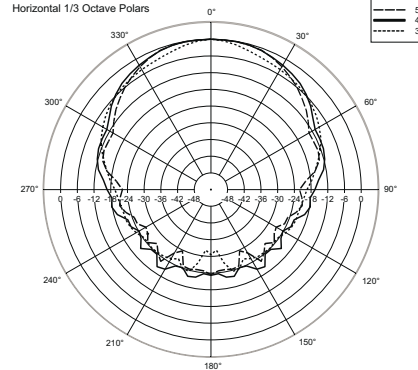
Horizontal 1/3 Octave Polars



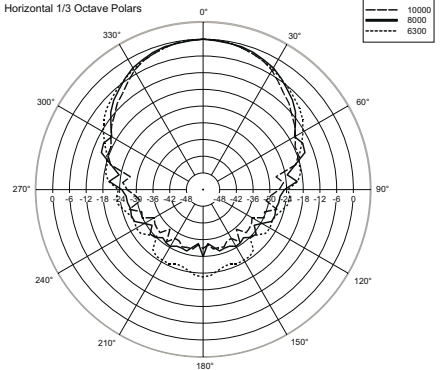
Horizontal 1/3 Octave Polars



Horizontal 1/3 Octave Polars

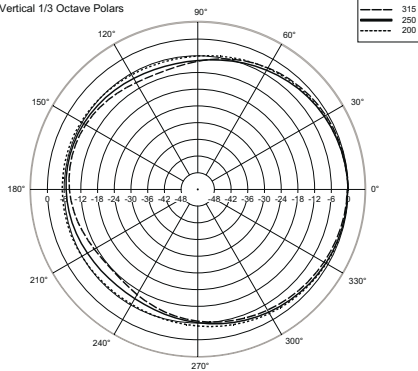


Horizontal 1/3 Octave Polars

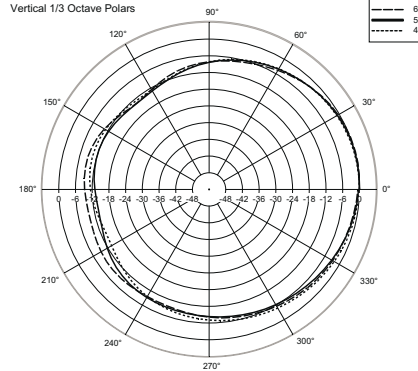


Vertical 1/3 Polar Plot

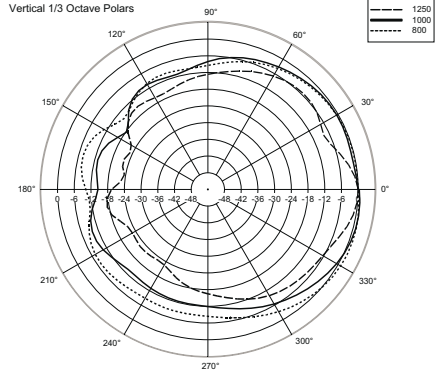
Vertical 1/3 Octave Polars



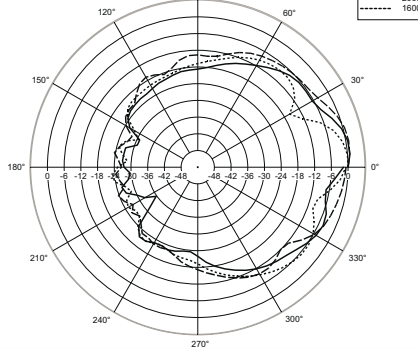
Vertical 1/3 Octave Polars



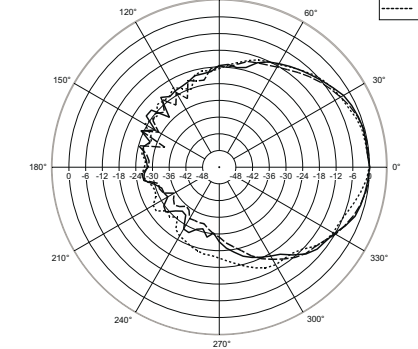
Vertical 1/3 Octave Polars



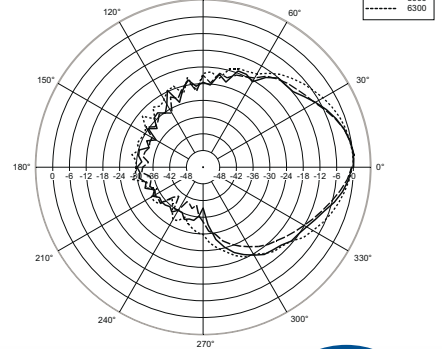
Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



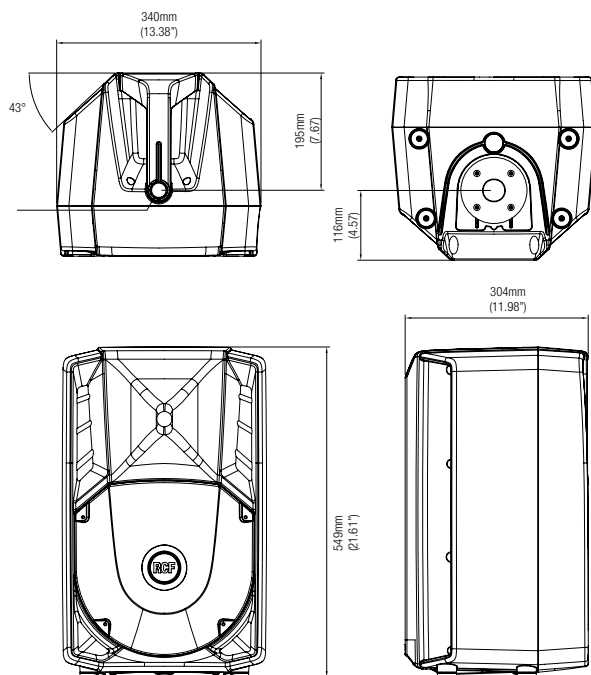
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

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: ART 710-A MKII



2.02 Design

Configuration:	Two way active speaker
LF Sub-section:	10" woofer, 2.5" voice coil
MR Sub-section:	-
HF Sub-section:	1,0" driver, 1.7" voice coil

2.03 Acoustical Properties

Nominal dispersion angle:	90° x 70°
Axial frequency range:	50Hz-20kHz

2.04 Physical Properties

Cabinet:	Composite PP
Rigging inserts:	2 x M10, pole mount
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	xlr-jack
Dimensions (H x W x D):	549 x 340 x 304 mm (21,61" x 13,38" x 11,96")
Weight:	14 kg (30.86 lbs.)

2.05 Accessories

AC S260	Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 60kg, Weight 7.8 Kg, H MIN/MAX 170cm/240cm. Length once folded 123cm
AC S140	Aluminium speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 40kg, Weight 2.7 Kg, H MIN/MAX 140cm/214cm. Length once folded 107cm
AC PRO-FS	Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 50kg, Weight 4.5 Kg, H MIN/MAX 137cm/210cm. Length once folded 102cm
AC PRO-LF	Steel professional adapter sleeve for speaker floor stand, tube diametro 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm
AC PRO-PM	Steel pole mount accessory for a satellite speaker on a subwoofer, tube diametro 35 mm. Load capacity up to 35Kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm
AC EB4X	Kit including No. 4 shouldered 10mm eye bolts
AC PMA	Speaker pole mount
AC ART710 H-BR	Horizontal bracket for ART 710-A
Cover ART 710	Art cover for ART710-A