ART 410-A MK II

TWO-WAY SYSTEM



DESCRIPTION

RCF ART 410-A MK II is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 400 watt digital amplifier, a complete electronic processor section and RCF low distortion, high power transducers. The system is unique in its class for output and vocal intelligibility.
The new 10" woofer is the result of the latest refinement in year of RCF experience in compact 2 way speakers. Features a 2,5 " voice coil, very high efficiency and controlled bass reproduction.
The 1" compression driver uses a new 1.4" voice coil dome design and optimised geometry radial phase plug.
RCF ART 410-A MK II is equipped with a new generation of 400 Watt Digital Amplifier. The result of this is very high output, extremely low distortion and an incredible natural sound. Each amplifier presents both XLR In/Out connectors and a Jack input for the maximum connection versatility. An easy to reach volume knob on the back allows to set the overall volume of the speaker according to its application. A switchable EQ Mode make it easier to select among two different equalisation presets: Extended response switch, which slightly emphasizes the bass response for playback music and low volume applications or Linear response switch, for using the speaker to amplify a live mix. 3 status LEDs – Power / Signal / Status are provided for monitoring the system.
An integrated DSP manages crossover, Eq., soft limiter, compressor and dynamic bass boost.
It controls the ongoing interaction between the audio signal, switch-mode power supply, and PWM output stages, and processes key information concerning the status of the internal signal flow from the input to the speakers monitoring impedance and shuts down in case of short-circuit. The DSP controls the thermal and soft limiters to protect speakers.
The amplifier is housed on an aluminium top plate that integrates the rubber coated plastic top handle. This structure results in a stronger and easy to transport cabinet
ART 4 cabinets are moulded on a special polypropylene composite material and are designed to dampen down vibrations even at maximum volume settings. The cabinet shape allows every ART 4 speaker to be used also in stage monitor configuration At the bottom of the speakers a rugged stainless steel pole mount has been provided for deploying the speakers on stands or on subwoofers
The woofer is protected from a strong, powder coated, metal grille. The cabinet features 2 M10 threaded fly points and an ergonomic top handle for easy transportation.

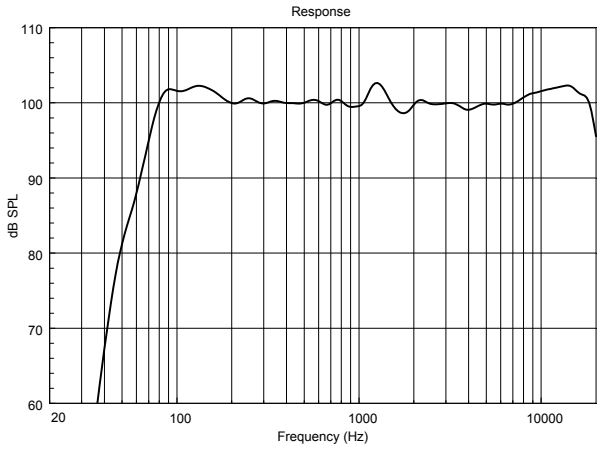
MAIN APPLICATIONS

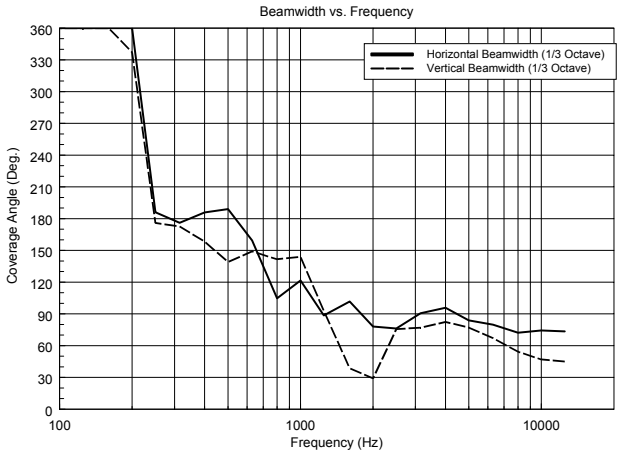
- Nearfield & distributed PA
- Foreground/background music, fill/delay
- Portable and installed audio-visual systems
- Conference centers, presentations, ballrooms and houses of worship
- Compact voice reinforcement systems
- Stage monitoring

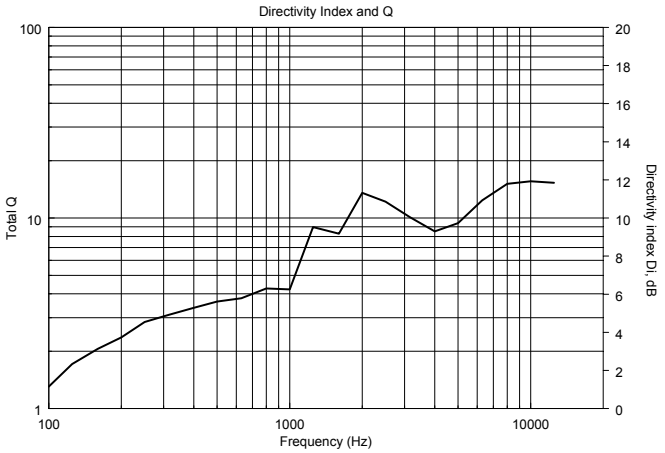
MAIN FEATURES

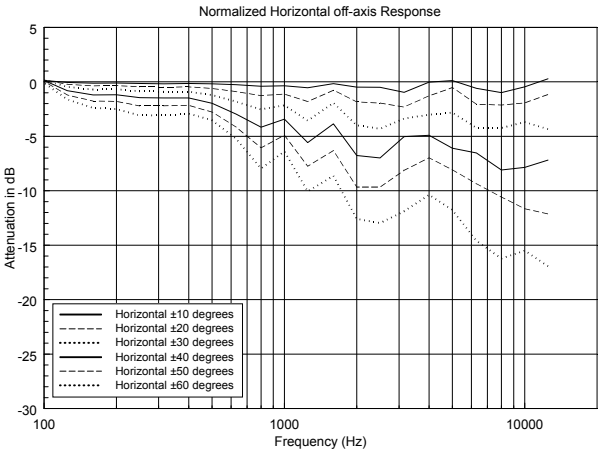
- 400 Watt digital bi-amplification, 300 Watt Low Frequency and 100 Watt High Frequency Power
- 127 dB max spl
- Wide dispersion 90 x 60 constant directivity horn
- 10" High power woofer, 2,5" voice coil
- 1" High frequency driver , 1,4" voice coil
- Electronic equalization, soft limiter and protection
- Xlr/jack combo input, xlr signal output
- 1 ergonomic top handle for easy transportation and positioning

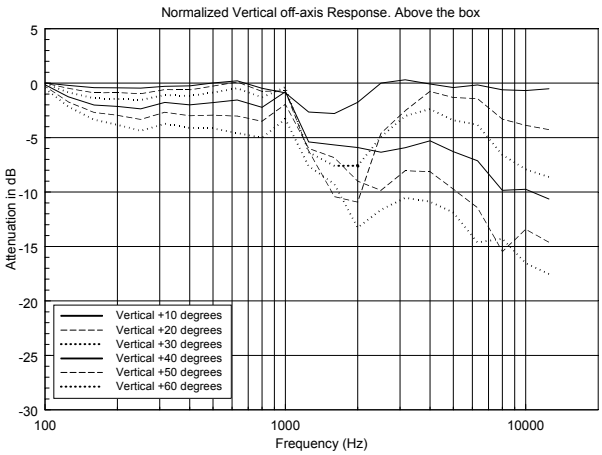
ART 410-A MK II

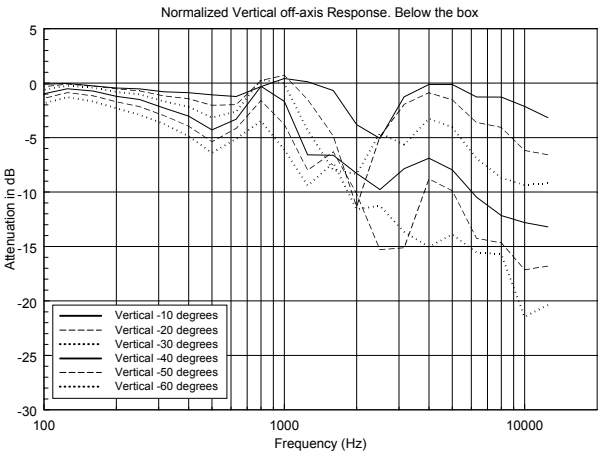






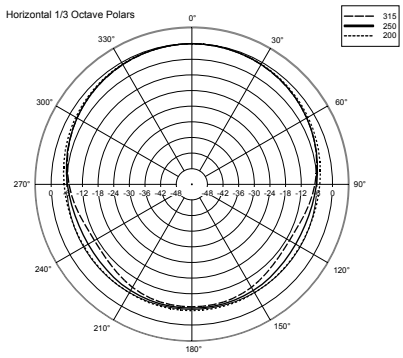


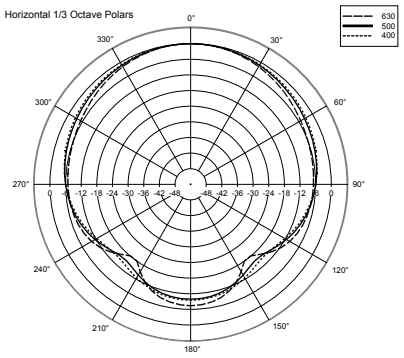


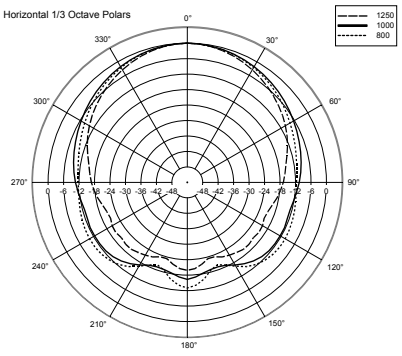


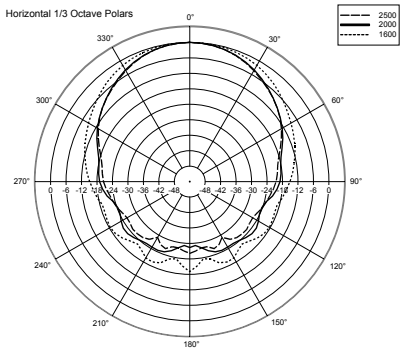
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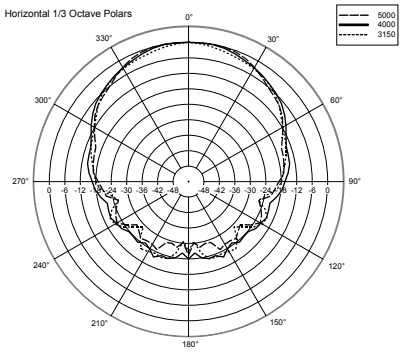
HORIZONTAL 1/3 POLAR PLOT

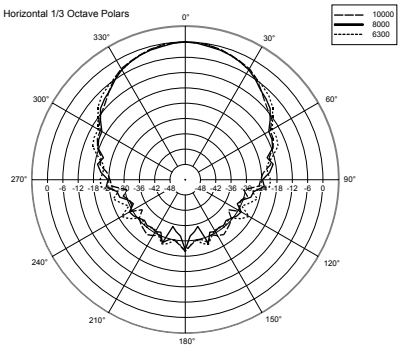




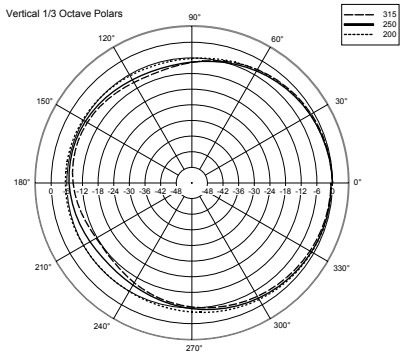


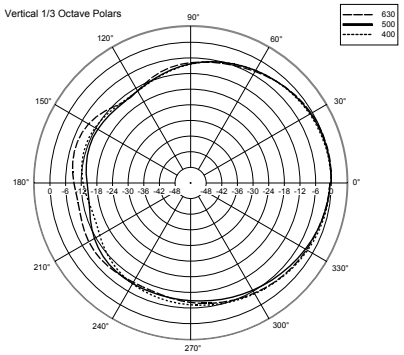


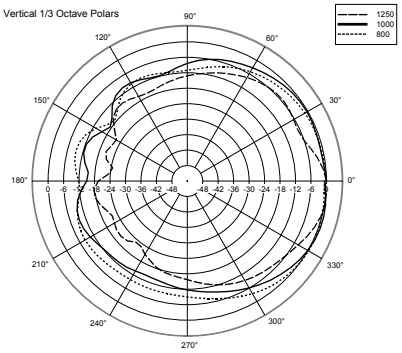


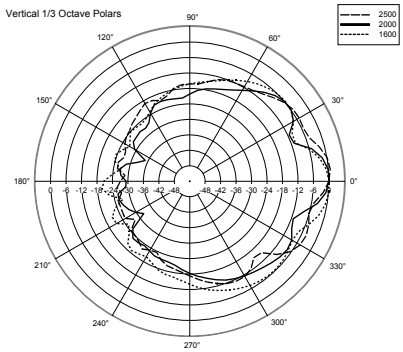


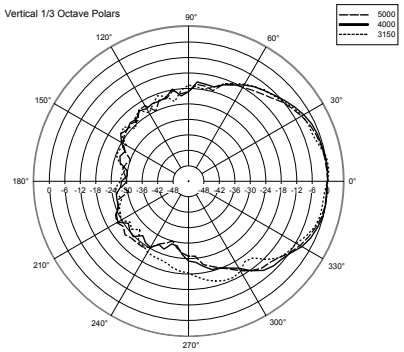
VERTICAL 1/3 POLAR PLOT

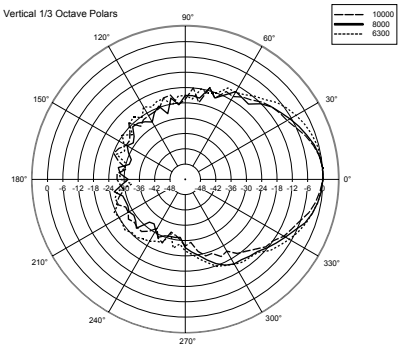












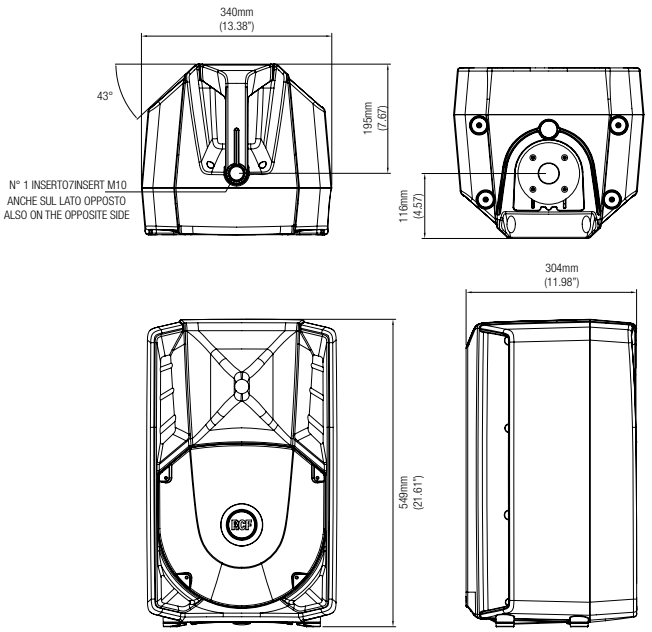
ART 410-A MK II

PART NUMBERS

13000323 - 230VOLT

13000324 - 115 VOLT

DIMENSIONS (All data are in mm)



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 410-A , ART 710-A and ART 4 MK II series
Cover ART 710	Art cover for ART 410 , ART 710-A and ART 4/7 MK II series

1.0-J-J

ACOUSTICAL SPECIFICATIONS

Frequency response:	50 Hz- 20 Khz
Max SPL:	127 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	60°
Compression driver:	1.0", 1.4" voice coil
Midrange:	-
Woofer:	10", 2.5" voice coil

INPUT SECTION

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

PROCESSOR SECTION

Crossover frequencies:	1800 Hz
Protections:	Themel, HF
Sensitivity control:	yes
Limiter:	soft limiter
High pass:	-
Controls:	flat/boost

AMPLIFIER

Power supply:	switching 400 Watt
High frequencies:	D / 100 Watt
Mid frequencies:	-
Low frequencies:	D / 300 Watt
Cooling:	convection
Connection:	Xlr/jack input, xlr signal output

PHYSICAL

Height:	549 mm (21.61")
Width:	340 mm (13.38")
Depth:	304 mm (11.96")
Weight:	13.5 kg (29.76 lbs)
Cabinet:	Composite PP
Hardware:	pole mount
Handles:	1 top
Pole mount cap	yes
Colour:	Black

RCF products are continually improved. All specifications are therefore subject to change without notice.