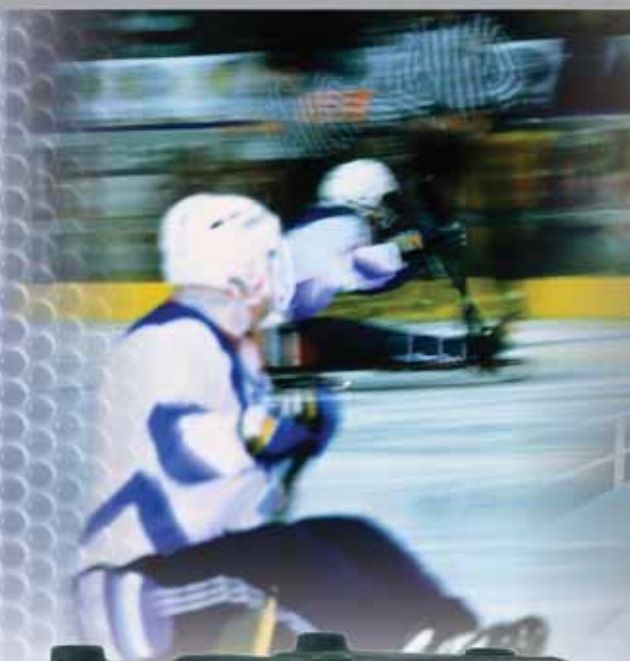


ARTSERIES



SPEAKER SYSTEMS
FOR INSTALLATION



ARTSERIES

the rules of sound

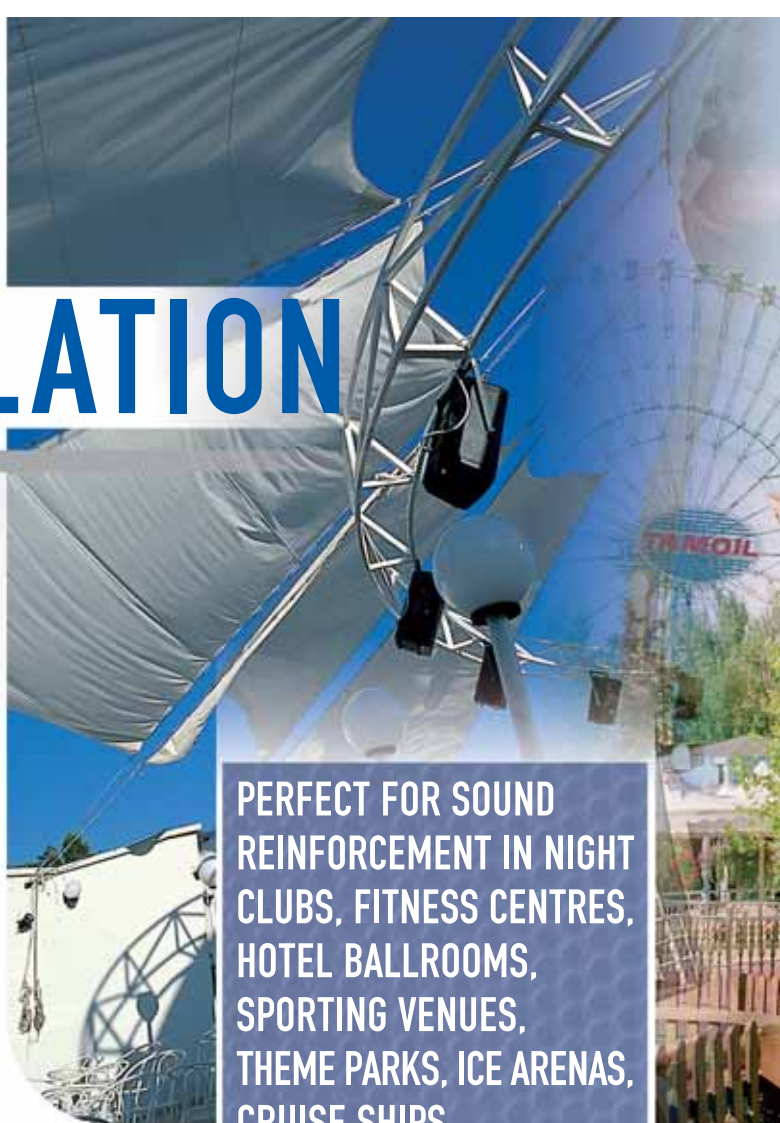
RCF

ART SERIES FOR INSTALLATION

During the last ten years RCF transitioned into the forefront of active loudspeaker technology, from the introduction of the original ART series to many prominent active products conceived and designed in our laboratories. We have over the years grown to understand the best ways to use the extra degree of freedom that an active system offers and in interpreting how this technology affects the transducer design. Our research and engineering faculty can today offer innovative projects with finite control of each detail, from the loudspeaker voice coil wire to the highly efficient extended dynamic amplifier topology. There are many different ingredients that go into creating quality products and systems. These include computer aided simulation software to assist the understanding of transducer behaviour and amplifier operation and the relationship of dynamics and transient response. RCF utilise over thirty state of the art software packages to identify magnetic circuits, voice coil dynamics, suspension linearity, horn dispersion simulation, crossover filters, amplifier thermal behaviour etc.

However it is the vast technical and practical experience that our Research and Engineering team possess that ensures the quality of our products plus placing RCF as the market leaders in True Active Loudspeaker Technology and transducer development.

**PERFECT FOR SOUND
REINFORCEMENT IN NIGHT
CLUBS, FITNESS CENTRES,
HOTEL BALLROOMS,
SPORTING VENUES,
THEME PARKS, ICE ARENAS,
CRUISE SHIPS,
PERFORMANCE STAGES,
PLACES OF WORSHIP
AND AUDITORIUMS.**





FEATURES:

- 12 and 15-inch LF transducers
- Polynomial horn-loaded compression drivers
- Rugged, resonance-free molded enclosure
- Wide horizontal and vertical dispersion
- Built-in hand grip, M10 fly points and stand socket
- Many optional installation
- Optional installation accessories

ACTIVE MODELS INCLUDE:

- Separate LF and HF internal power amplifiers
- Driver-optimized electronic crossover
- Switchable balanced mic/line input
- Total system protection: over-excursion, thermal, short circuit and peak limiting

THE PHILOSOPHY OF ART

ART was originally conceived way back in 1996. The brief was a tough one. To create perfect sound. Moreover, the speaker enclosures were to be portable, lightweight and strong enough to withstand every day use. Using the latest "Advanced Resource Technology".

The brief remains the same but with even more exacting challenges. Portable and even lighter in weight systems were a must, plus the demands from Musicians for improved vocal clarity and definition.

To achieve this RCF has taken the numerous new technological advances in our own transducer developments along with designing new high efficiency "True Active Extended Dynamics" TAED amplifier technology.

Our new RCF Precision Series of light in weight Neodymium compression drivers with advanced phase plug technology and high power ceramic woofers provide this goal.

SPECIFICATIONS	ART 310-i	SPECIFICATIONS	ART 110-Ti
ACOUSTICAL SPECIFICATIONS Frequency Response (-10 dB) Maximum sound pressure Sensitivity 1w/1m Coverage angle Compression Driver Woofer Power Handling	50 ÷ 20 000 Hz 127 dB 98 dB 90° x 70° neo 1" 10" 300W	ACOUSTICAL SPECIFICATIONS Frequency Response (-10 dB) Maximum sound pressure Sensitivity 1w/1m Coverage angle Compression Driver Woofer Power Handling	60 ÷ 20 000 Hz 118 dB 94 dB 90° x 70° (horn directivity) neo 1" 10" 100 W - 16 ohms / 60W multitap line transformer 70,7 - 100V
INPUT SECTION Impedance Input connector Output signal connector	8 Ω speakon speakon	INPUT SECTION Impedance Input connector Output signal connector	16 Ω speakon speakon
PROCESSOR SECTION Crossover frequencies Protections	1800 Hz DC / short cir.	PROCESSOR SECTION Crossover frequencies Protections	2000 Hz DC / short cir.
PHYSICAL SPECIFICATIONS Dimensions (H x W x D) Weight	537x337x315 mm 10 kg	PHYSICAL SPECIFICATIONS Dimensions (H x W x D) Weight	537x337x315 mm 13,6 kg
CABINET Hardware Handles Pole Mount/Cap Colour	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	CABINET Hardware Handles Pole Mount/Cap Colour	Composite PP 2 M10 flying points 1 top yes Anthracyte grey

SPECIFICATIONS	ART 312-i	ART 315-i	ART 322-i	ART 325-i
ACOUSTICAL SPECIFICATIONS Frequency Response (-10 dB) Maximum sound pressure Sensitivity 1w/1m Coverage angle Compression Driver Woofer Power Handling	45 ÷ 20 000 Hz 127 dB 98 90° x 60° neo 1" 12" 300W	50 ÷ 20 000 Hz 128 dB 98 90° x 60° neo 1" 15" 300W	45 ÷ 20 000 Hz 128 dB 99 90° x 60° neo 2" 12" 400W	45 ÷ 20 000 Hz 129 dB 99 90° x 60° neo 2" 15" 400W
INPUT SECTION Impedance Input connector Output signal connector	8 Ω speakon speakon	8 Ω speakon speakon	8 Ω speakon speakon	8 Ω speakon speakon
PROCESSOR SECTION Crossover frequencies Protections	1800 Hz electronic	1800 Hz electronic	1200 Hz electronic	1200 Hz electronic
PHYSICAL SPECIFICATIONS Dimensions (H x W x D) Weight	680x405x345 mm 16 kg	680x405x345 mm 17 kg	680x405x345 mm 20 kg	680x405x345 mm 21 kg
CABINET Hardware Handles Pole Mount/Cap Colour	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey

SPECIFICATIONS	ART 310-Ai	ART 312-Ai	ART 322-Ai	ART 325-Ai
ACOUSTICAL SPECIFICATIONS Frequency Response (-10 dB) Maximum sound pressure Coverage angle Compression Driver Woofer	50 ÷ 20 000 Hz 127 dB 90° x 70° neo 1" 10" neo	50 ÷ 20 000 Hz 127 dB 90° x 60° neo 1" 12"	45 ÷ 20 000 Hz 128 dB 90° x 60° neo 2" 12"	45 ÷ 20 000 Hz 129 dB 90° x 60° neo 2" 15"
INPUT SECTION Input signal Input connector Output signal connector Input sensitivity	bal/unbal jack/xlr xlr 0 dbu	bal/unbal jack/xlr xlr 0 dbu	bal/unbal jack/xlr xlr 0 dbu	bal/unbal jack/xlr xlr 0 dbu
PROCESSOR SECTION Crossover frequencies Protections Limiter Master volume Music/voice eq I/R remote control option	1800 Hz DC / short cir. fast limiter yes yes yes yes	1800 Hz DC / short cir. fast limiter yes yes yes yes	1200 Hz DC / short cir. fast limiter yes yes yes yes	1200 Hz DC / short cir. fast limiter yes yes yes yes
AMPLIFIER Nominal power High frequencies Low frequencies Cooling	350 Watt ab / 50 Watt H / 300 Watt Convection	350 Watt ab / 50 Watt H / 300 Watt Convection	420 Watt ab / 70 Watt H / 350 Watt Convection	420 Watt ab / 70 Watt H / 350 Watt Convection
PHYSICAL SPECIFICATIONS Dimensions (H x W x D) Weight	537x337x315 mm 12,4 kg	680x405x345 mm 19 kg	680x405x345 mm 23 kg	680x405x345 mm 24 kg
CABINET Hardware Handles Pole Mount/Cap Colour	Composite PP 2 M10 flying points 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey	Composite PP 4 M10 flying points 2 side, 1 top yes Anthracyte grey