

PROFESSIONAL SPEAKER SYSTEMS

RCF

2008

the rules of sound

RCF

RCF

Established in 1949, RCF has prided itself on carrying out the design and production of its own products. The history of the company started with a parallel development of microphone technology as well as loudspeakers; the early microphone products were highly advanced 'Ribbon' designs manufactured exclusively for some very prominent American Audio companies. This initial development soon followed a natural progression to start the design and manufacture of innovative loudspeaker transducer technology.

Unlike most loudspeaker companies who outsource the supply of transducers we have always preferred to design and construct completely all our own components.

Many years dedicated to studying and building audio transducers and electronics have resulted in some notable milestones. RCF was the first company to build a 300 watt commercial amplifier in the mid sixties and, in the same period, the first in Europe to have a high level Research Centre studying loudspeakers, horns and compression drivers. During this period we built the first of 3 anechoic chambers that represent the focal point of our history.





Let your ART beat again

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.

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



RCF the transducer innovators

The RCF loudspeaker line incorporates a vast range of transducers covering the entire audio spectrum. We design our transducers to optimise the relationship between the purity of sound, combining the absence of distortion and the ability to withstand high power levels over a long period of time.

RCF develops advanced transducer technology including the application of high-tech materials such as carbon fibre, damped titanium, Kevlar® and Mylar® hybrids. With over 50 years of design and manufacturing experience in the market, RCF have been instrumental in technological inventions such as: "carbon fibre cone moulding", "double silicon spiders", "inside/outside" voice coil winding and compression driver topology, "edge wound" voice coil manufacturing and pure titanium diaphragm forming. Our latest developments have resulted in utilising state of the art Neodymium magnetic materials and Direct Drive Voice Coil Assembly.

RCF active and passive speaker systems take advantage of our proprietary transducer technologies, achieving the optimum blend between state of the art components and innovative, specific designed electronics.

OUR TECHNOLOGIES



TAED AMPLIFIER TECHNOLOGY

RCF True Active Extended Dynamic amplifier technology is a result of nearly ten years at the forefront of active speaker design and manufacture. The result is the perfect match of amplifier to transducer, RCF is able to achieve this because quite simply we design and manufacture directly ALL the ingredients. If you are able to increase the effective dynamic range of a loudspeaker system this will immediately provide improved sonic accuracy, voice clarity, depth and resolution of the audio signals.

Our new generation of active amplifier modules are designed with a new "Double Wave" Limiting System that apart from giving improved transducer protection - guarantees the full use of the true dynamic range of the power amplifier.

This in turn dramatically reduces distortion levels being delivered to the systems transducers.



LICC LOW IMPEDANCE COMPENSATED CROSSOVER

All our passive speakers are equipped with high power handling low impedance crossover designs. The low impedance compensated crossover is an RCF first, and a breakthrough in crossover design. Conventional passive crossovers have an approximate 180 degree phase shift between the woofer and tweeter at the crossover point.

Such a system cannot reproduce transients correctly, causing negative effects on sound accuracy that are particularly noticeable with violin, trumpet, piano and vocals.

Very low inductance values are used in the LICC, thus providing an excellent transient response and drastically reducing phase shifts between woofer and tweeter. As a result, LICC provides well-defined natural and open sound - across the entire audio bandwidth.



PURE TITANIUM DIAPHRAGM

RCF has developed an oxygen free process of moulding pure titanium ultra thin films in high quality, finely controlled shaped diaphragms.

Our process offers superior sonic quality, extended to the highest audible frequencies which guarantee consistent power handling and reliability.

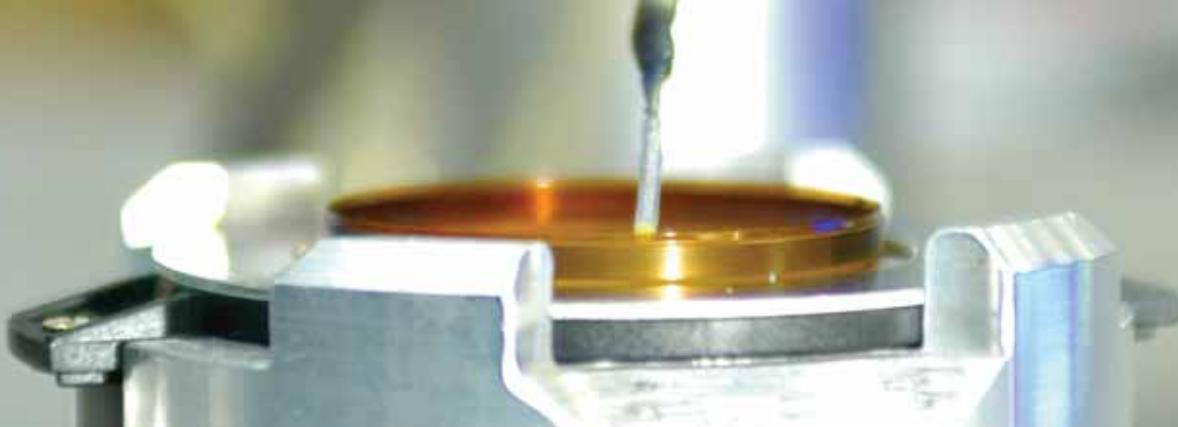


NEODYMIUM MAGNETS

Our Precision Compression Drivers and Woofers are equipped with high thermal performance with high performance lightweight Neodymium magnets, offering advantages in system portability and high frequency clarity (due to the force of magnetic flux in the gap exceeding 2 kilogauss).

Specific attention has been paid to magnetic circuit polarization for optimum thermal immunity.





DIRECT DRIVE

DIRECT DRIVE VOICE COIL ASSEMBLY

Our voice coil assemblies are designed using high strength high temperature Nomex® voice coil Formers with rectangular profile copper clad aluminium wire which are assembled using advanced specially formulated adhesives. Proprietary curing processes ensure optimal assembly strength and safe operation even under extreme thermal conditions. The top of the Former is bent and bonded directly to the edge of the titanium diaphragm resulting in a Direct Drive configuration.

Direct Drive guarantees optimal transfer of energy between the voice coil and the dome assembly, providing smoother, extended frequency response beyond 10 KHz, reducing break up modes and lowering distortion.

This assembly delivers high power handling along with excellent mechanical and thermal properties that make RCF Precision Series compression drivers robust and reliable.



IN OUT TECHNOLOGY

INSIDE/OUTSIDE VOICE COILS

RCF has developed a unique voice coil, combining the advantages of inside/outside technology to the superior quality of polyimide-imide materials (wire resins and former resins).

The inside/outside coil offers many advantages:

- the dissipation surface is doubled
- the adhesion area to the former is doubled
- during thermal expansion the former is squeezed between inside and outside layers offering the best mechanical resistance.

Our former is made from polyimide - imide fibreglass and the area between the coil and the cone is a triple layer of nomex - fibreglass - nomex for maximum stiffness and accurate sound transfer.



VOICE COIL

VOICE COIL

Power Compression is the neglected factor in many professional audio system designs.

In woofers and subwoofers the power compression at maximum rated power can vary from 3-4 dB for good designs and up to 6-7 dB for poorly vented or small coil designs. This will affect not only the final achievable sound pressure level (SPL) but also the transducer Thiele-Small parameters, dramatically changing the high power curve response and sound characteristics.

For this reason all our woofer and subwoofer designs are equipped with large sized, properly vented inside/outside voice coils. This guarantees the long term reliability and life of the product.

PRODUCT DESCRIPTION ICONS

To improve the understanding of our catalogue and help our customer in easier and immediate choice of the right product, we have created easy description icons that represent the main features of our products.



CAR, VAN, TRUCK ICON helps you in understanding size and portability of the product.



WATT ICON represents the total amplifier power for active speakers or power handling for passive speakers.



SPEAKER VISUAL ICON describe the number of way's and size of transducers.



BALTIC BIRCH (PP COMPOSITE) ICON describes the cabinet material, Baltic birch or polypropylene composite plastic.



POLE MOUNT ICON represents if the product is pole moun-table or if the subwoofer has a pole cap.



FLYING HARWARE ICON represents if the product offers standard flying hardware.



ART SERIES

For natural sound and clarity, nothing comes close - when you come to audition an ART you will know why we moved heaven and earth to get the perfect sound - so that you can.

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.

art

THE NEXT GENERATION



COMPONENTS

The woofers used in the new Art Series can withstand peak power of up to 6 times the nominal power. These mid bass woofers have been designed for superior reproduction of acoustic signals up to the crossover frequency. Specific attention has been applied to the speaker cones, all are optimized for shape and pulp composition. Our edgewound copper clad aluminium voice coils provide maximum efficiency and high speed for accurate transient response. "Inside /Outside" copper clad aluminium voice coils provide maximum reliability. Our massive magnets offer superior bass control and mid-bass voice presence.

Our state of the art compression drivers are made from neodymium magnetic circuit technology, reaching levels that exceed 2 Kilogauss in the gap. Thanks to RCF's "pure titanium" diaphragms and proprietary high pressure oxygen free moulding technology, we are able to reproduce transparent and accurate high frequencies true in all the audible range.

AMPLIFIERS

All the new ART models are designed using newly created RCF True Active Extended Dynamics TAED Active Amplifier Technology. Based around 350 watt low and 50 watt high Bi-Amplified monolithic modules, each amplifier has a specific input board and is set-up to optimize the performance in conjunction to the specific transducers in each model.

Each amplifier will give you: Jack and XLR balanced inputs, XLR Output link, Mic/Line selectable Input, switchable Eq Mode (Voice/Music), Optional Remote Control for Volume, Mute and Equalization.

CABINETS

Art's polynomial constant directivity horn has virtually the same physical area as the woofer. This means that the driver is perceived to achieve the same output power as the low section with minimum diaphragm excursion, resulting in a well defined, natural and open sound.

The shape of the horn is a unique design able to provide exceptional constant directivity with both the 1" and 2" compression drivers. Art's bass reflex cabinet is moulded in a special polypropylene composite material resulting from years of experience in plastic cabinet designs, which provide superior stiffness for the weight and excellent low frequency damping.

Each cabinet is equipped with ergonomically designed handles on each side and a comfortable top handle for easy manoeuvrability in every situation. Four M10 threaded inserts are provided for optional mounting hardware in Installed Sound Applications.

THE NEW ART AMPLIFIER INPUT PANEL

1 MIC AND LINE LEVEL CONTROL

2 SAFE RECESSED MIC/LINE SWITCH

3 GREEN-RED-YELLOW EQUALIZATION MODE LED

4 POWER ON AND LIMITER LEDS

5 JACK AND FEMALE XLR INPUTS (BAL/UNBAL)
MALE XLR SIGNAL OUTPUT



| PRODUCT | WOOFER | C. DRIVER | POWER | DIRECTIVITY | MAX SPL |
|-------------------|--------|-----------|-------|-------------|---------|
| <i>ART 310-A</i> | 10" | 1" | 350 W | 90 X 70 | 127 dB |
| <i>ART 312-A</i> | 12" | 1" | 350 W | 90 X 60 | 127 dB |
| <i>ART 315-A</i> | 15" | 1" | 350 W | 90 X 60 | 128 dB |
| <i>ART 322-A</i> | 12" | 2" | 400 W | 90 X 60 | 128 dB |
| <i>ART 325-A</i> | 15" | 2" | 400 W | 90 X 60 | 129 dB |
| <i>ART 522-A</i> | 12" | 2" | 750 W | 90 X 60 | 130 dB |
| <i>ART 525-A</i> | 15" | 2" | 750 W | 90 X 60 | 131 dB |
| <i>ART 310</i> | 10" | 1" | 300 W | 90 X 70 | 127 dB |
| <i>ART 312</i> | 12" | 1" | 300 W | 90 X 60 | 127 dB |
| <i>ART 315</i> | 15" | 1" | 300 W | 90 X 60 | 128 dB |
| <i>ART 705-AS</i> | 15" | — | 800 W | — | 130 dB |

FEATURES

350 WATT MONOLITHIC BI-AMPLIFICATION,
300 WATT LOW FREQUENCY AND 50 WATT HIGH
FREQUENCY POWER

127 DB MAX SPL

WIDE DISPERSION, 90 X 70 LOW DISTORTION,
CONSTANT DIRECTIVITY HORN

10" NEODYMIUM HIGH POWER WOOFER

1" NEODYMIUM, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE
ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR INPUT, XLR SIGNAL OUTPUT

1 COMFORTABLE TOP HANDLE FOR EASY
TRANSPORTATION AND POSITIONING

TWO M10 FLY POINTS AND BUILT IN POLE
MOUNT ADAPTOR



ART 310A

SERIES →

ART 310-A is the reference speaker in the 10" size. Incredible amplifier power, high quality neodymium transducers, very compact size cabinet. From live sound, playback and monitoring to corporate events and presentations, ART 310-A is the ideal speaker in all the situations where the output of a PA and the size of a studio monitor is required. Superb deep bass punch, very linear and precise frequency response.

RCF ART 310-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 350 watt amplifier, a complete electronic processor section and RCF low distortion, high power neodymium transducers. The system is unique in its class for output and vocal intelligibility.

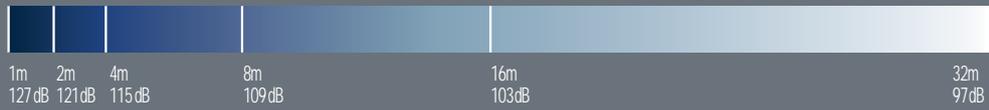
The new 10" neodymium woofer is the result of the latest refinement in year of RCF experience in compact 2 way speakers. Features a 2,5 " voice coil, very high efficiency and controlled bass

reproduction.

The compression driver uses a new 1.5" Mylar dome design and optimised geometry radial phase plug. This innovative design is powered from a high flux neodymium magnet offering a very open and natural midrange sound with extreme precision in high frequency reproduction.

A generous 2 step class H design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.





- 1 ERGONOMIC TOP HANDLE FOR EASY TRANSPORTATION
- 2 BIG SIZE BASS REFLEX PORTS FOR SUPERB BASS RESPONSE
- 3 WIDE DISPERSION CONSTANT DIRECTIVITY HORN
- 4 HIGH POWER NEODYMIUM WOOFER
- 5 LOW DISTORTION NEODYMIUM COMPRESSION DRIVER
- 6 STRONG, LIGHTWEIGHT POLYPROPYLENE ENCLOSURE
- 7 THICK METAL POWDER COATED GRILLE



Incredibly Lightweight

ART 310-A uses high efficiency TAED amplifier and neodymium woofer and compression driver for the maximum output in the minimum weight ever seen in the 10" active speaker.

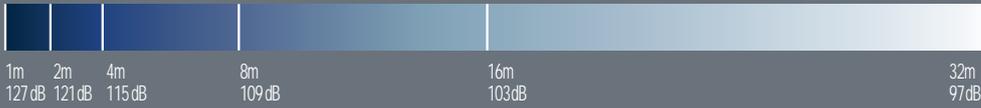
The input section presents a XLR input connector that is switchable from microphone to line levels. A master volume control and a useful XLR loop through link guarantee the best versatility.

The processor section includes active crossover, system equalisation, transducers phase alignment, limiter and protection functions. The system is visually monitored from 4 status LEDs.

All the system is housed in a strong, very lightweight, polypropylene composite enclosure. The woofer is protected from a strong, powder coated, metal grille.

The cabinet features 2 M10 threaded fly points, a 35 mm stand adaptor plus an ergonomic top handle for easy transportation.





FEATURES

350 WATT MONOLITHIC BI-AMPLIFICATION,
300 WATT LOW FREQUENCY AND 50 WATT HIGH
FREQUENCY POWER

127 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION,
CONSTANT DIRECTIVITY HORN

12" HIGH POWER WOOFER, 64MM EDGE
WOUND ALUMINIUM COIL

1" NEODYMIUM, TITANIUM DOME, HIGH
FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE
ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR AND JACK INPUT, XLR SIGNAL
OUTPUT

2 SIDE HANDLES AND 1 COMFORT DESIGNED
TOP HANDLE FOR EASY TRANSPORTATION AND
POSITIONING

FOUR M10 FLY POINTS AND BUILT IN POLE
MOUNT ADAPTOR

OPTIONAL INFRARED REMOTE CONTROL FOR
VOLUME, MUTE AND EQ ADJUSTMENT



ART 312A

SERIES →

ART 312-A is the optimum choice for live sound situations where an exceptional full range, outstanding bass reproduction and accurate high frequency delivery is required. The ART 312-A is also suitable for monitoring applications.

RCF ART 312-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 350 Watt amplifier, a complete electronic processor section and RCF low distortion, high power transducers. The result is a compact, high power accurate system, unique in its class for clarity and low distortion.

The new 12" inch woofer is the result of the latest refinement in years of RCF experience in compact 2 way speakers, resulting in a fast and accurate reproduction of the midbass frequency range and controlled deep bass.

The compression driver uses a new 1.5" titanium

dome in front of a low compression, optimised geometry and radial phase plug. This innovative design is powered from a high flux neodymium magnet and offers a very open and natural midrange sound and extreme precision in high frequencies reproduction.

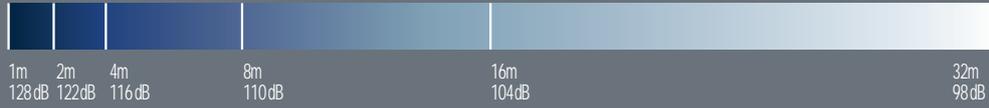
A generous 2 step class H design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

All components are housed in a strong, lightweight, polypropylene composite enclosure. The cabinet shape is perfect for monitoring applications.

Pure Titanium
DIAPHRAGM

NEODYMIUM
MAGNET

TAED



FEATURES

350 WATT MONOLITHIC BI-AMPLIFICATION, 300 WATT LOW FREQUENCY AND 50 WATT HIGH FREQUENCY POWER

128 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION, CONSTANT DIRECTIVITY HORN

15" HIGH POWER WOOFER, 64MM EDGE WOUND ALUMINIUM COIL

1" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR AND JACK INPUT, XLR SIGNAL OUTPUT

2 SIDE HANDLES AND 1 COMFORTABLE TOP HANDLE FOR EASY TRANSPORTATION AND POSITIONING

FOUR M10 FLY POINTS AND BUILT IN POLE MOUNT ADAPTOR

OPTIONAL INFRARED REMOTE CONTROL FOR VOLUME, MUTE AND EQ ADJUSTMENT

ART 315-A is the perfect speaker for live sound situations where you need extra punch in bass reproduction and extremely accurate high frequency response. Thanks to the versatility in both monitoring and playback installation situations representing the ideal multipurpose solution.

RCF ART 315-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 350 Watt amplifier, a complete electronic processor section and RCF low distortion, high power transducers. The result is a compact, high power accurate system, unique in his class for clarity and low distortion.

The new 15" inch woofer is the result of the latest refinement in years of RCF experience in compact 2 way speakers, resulting in an accurate reproduction of the midbass frequency range and a tight punchy bass.

The compression driver uses a new 1.5" titanium

dome in front of a low compression, optimised geometry, radial phase plug. This innovative design is powered from a high flux neodymium magnet offering a very open and natural midrange sound with extreme precision in high frequency reproduction.

A generous 2 step class H design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

All components are housed in a strong, lightweight, polypropylene composite enclosure.

ART 315A

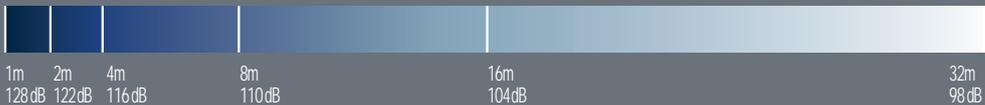
SERIES →

Pure Titanium
DIAPHRAGM

NEODYMIUM
MAGNET

TAED





FEATURES

400 WATT MONOLITHIC BI-AMPLIFICATION,
350 WATT LOW FREQUENCY AND 50 WATT HIGH
FREQUENCY POWER

128 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION,
CONSTANT DIRECTIVITY HORN

12" HIGH POWER WOOFER, 75MM
INSIDE/OUTSIDE ALUMINIUM COIL

2" NEODYMIUM, TITANIUM DOME, HIGH
FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE
ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR AND JACK INPUT, XLR SIGNAL
OUTPUT

2 SIDE HANDLES AND 1 ERGONOMIC TOP
HANDLE FOR EASY TRANSPORTATION AND
POSITIONING

FOUR M10 FLY POINTS AND BUILT IN POLE
MOUNT ADAPTOR

OPTIONAL INFRARED REMOTE CONTROL FOR
VOLUME, MUTE AND EQ ADJUSTMENT



ART 322A SERIES

With the perfect blend of the fast, high efficiency transducers, ART 322-A offers an extremely linear response and precise, deep low frequency control. The ideal cabinet for main front of house PA and monitoring, ART 322-A is the perfect solution where the power of a 2" compression driver is required for longer throw applications in larger venues.

RCF ART 322-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 400 Watt amplifier, with a complete electronic processor section and RCF Precision Series low distortion, high power transducers. The result is a compact, high power accurate system, incredible for linearity and vocal intelligibility.

This new high power 12" inch woofer is the result of the latest refinement in years of RCF experience in compact 2 way speaker manufacturing, resulting in a fast and accurate reproduction of the midbass frequency range and tight deep bass.

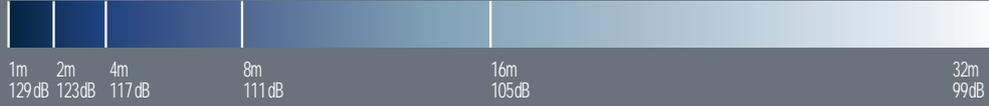
The compression driver uses a 0.05 mm pure titanium dome featuring a complex geometry

suspension and Direct Drive coil. This innovative design is powered from a massive high flux neodymium magnet and an edge wound 64 mm aluminium voice coil. This unique driver offers a transparent midrange sound and extreme fidelity in high frequencies reproduction.

A generous 2 step class H TAED amplifier design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

All components are housed in a strong, lightweight, polypropylene composite enclosure. The cabinet shape is perfect for monitoring applications.





FEATURES

400 WATT MONOLITHIC BI-AMPLIFICATION, 350 WATT LOW FREQUENCY AND 50 WATT HIGH FREQUENCY POWER

129 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION, CONSTANT DIRECTIVITY HORN

15" HIGH POWER WOOFER, 75MM INSIDE/OUTSIDE ALUMINIUM COIL

2" NEODYMIUM, TITANIUM DOME RCF PRECISION SERIES HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR AND JACK INPUT, XLR SIGNAL OUTPUT

2 SIDE HANDLES AND 1 ERGONOMIC TOP HANDLE FOR EASY TRANSPORTATION AND POSITIONING

FOUR M10 FLY POINTS AND BUILT IN POLE MOUNT ADAPTOR

OPTIONAL INFRARED REMOTE CONTROL FOR VOLUME, MUTE AND EQ ADJUSTMENT

ART 325-A is the reference speaker in the new ART series. Ideal in live sound and installed situations, it is remarkable for deep bass punch, clean midrange output and accurate high frequencies. Offering the ultimate intelligibility in vocal and Recorded Music, from live sound to playback, from monitoring to fixed installation applications.

RCF ART 325-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 400 Watt amplifier, a complete electronic processor section and RCF Precision Series low distortion, high power transducer. The result is a compact, high power accurate system, unique in its class for linearity and low distortion.

This new high power 15" inch woofer is the result of the latest refinement in years of RCF experience in compact 2 way speaker manufacturing, providing a fast and accurate reproduction of the midbass frequency range and tight punchy bass.

The compression driver uses a 0.05 mm pure titanium dome featuring a complex geometry suspension and Direct Drive coil. This innovative design is powered from a massive high flux neodymium magnet and an edge wound 64 mm aluminium voice coil. This unique driver offers a transparent midrange sound and an extreme fidelity in high frequency reproduction.

A generous 2 step class H TAED design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

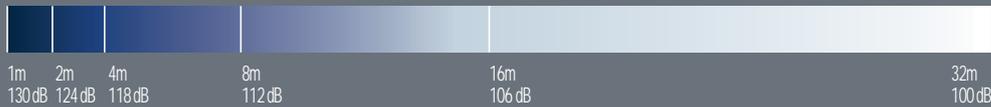
All components are housed in a strong, lightweight, polypropylene composite enclosure.

ART 325A

SERIES



ART 522-A



ART 522-A FEATURES

750 WATT DIGITAL AMPLIFIER,
500 WATT LOW FREQUENCY AND 250 WATT
HIGH FREQUENCY POWER

130 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION,
CONSTANT DIRECTIVITY HORN

12" NEODYMIUM, HIGH EFFICIENCY WOOFER,
75MM IN-OUT VOICE COIL

2" NEODYMIUM, TITANIUM DOME, 64 MM
VOICE COIL, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE
ALIGNMENT, LIMITER AND PROTECTION

LINE JACK/XLR INPUT, XLR SIGNAL OUTPUT

2 SIDE HANDLES, 1 TOP HANDLE FOR EASY
TRANSPORTATION AND POSITIONING

FOUR M10 FLY POINTS AND POLE MOUNT
ADAPTOR



ART 522A ART 525A

DIGITAL POWER

ART 522-A and ART 525-A are a milestone in ART series evolution. The careful acoustic design, no compromise neodymium transducers and a powerful digital amplifier make the newest ART models the preferred tool of many professionals.

Incredibly lightweight, are perfect in live sound reinforcement and reliable in installed situations.

RCF ART 522-A and ART 525-A are 2 way active systems offering substantial power for a variety of professional applications that include primary sound reinforcement and supplementary fill for larger systems.

They integrate a digital high power 750 Watt amplifier, a complete electronic processor section and premium RCF low distortion, high power transducers.

The result is compact, light weight, high power accurate systems, unique in their class for clarity and low distortion.

The total amplifier power is 750 watt: a 500 watt digital amplifier design is used to power the low frequencies, the compression driver is powered from 250 watt of digital clear power.

The input section offers a jack/XLR input combo connector, a master volume control and a useful XLR loop-through link guarantee the best versatility.

The processor section includes low noise active crossover, system equalization, transducer phase alignment, limiter and protection functions.

**NEODYMIUM
MAGNET**

**Pure Titanium
DIAPHRAGM**



**IN | OUT
TECHNOLOGY**

ART 525-A

1m 131 dB
2m 125 dB
4m 119 dB

8m 113 dB

16m 107 dB

32m 101 dB



ART 522A ON TOP OF
4PRO 8001-AS SUBWOOFER



ART 525-A FEATURES

750 WATT DIGITAL AMPLIFIER,
500 WATT LOW FREQUENCY AND 250 WATT
HIGH FREQUENCY POWER

131 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION,
CONSTANT DIRECTIVITY HORN

15" NEODYMIUM, HIGH EFFICIENCY WOOFER,
87 MM IN-OUT VOICE COIL

2" NEO, TITANIUM DOME, 64 MM VOICE COIL,
HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE
ALIGNMENT, LIMITER AND PROTECTION

LINE JACK/XLR INPUT, XLR SIGNAL OUTPUT

2 SIDE HANDLES, 1 TOP HANDLE FOR EASY
TRANSPORTATION AND POSITIONING

FOUR M10 FLY POINTS AND POLE MOUNT
ADAPTOR

The compression driver uses a 0.05 mm titanium dome featuring a vented suspension and is powered from a massive high flux neodymium magnet and an edge wound 64 mm aluminium voice coil. This top class driver offers a high output, transparent midrange sound and clarity in high frequencies reproduction.

The ART 522-A features a 12" inch woofer that, with a 3" inside-outside aluminium coil and a powerful magnetic structure, guarantees a fast and accurate mid-bass frequency range.

The ART 525-A features a 15" inch woofer that,

thanks to its 3.5" inside-outside aluminium coil and a powerful magnetic structure guarantees a powerful bass reproduction.

All components are housed in a rigid polypropylene composite enclosure. The woofer is protected by a powder coated, metal grille. The cabinet features four M10 threaded fly points, a 35 mm pole mount adaptor, two side handles and a top handle.

ART 522A



ART 525A



FEATURES

HIGH CURRENT 800 WATT CLASS H AMPLIFIER

130 DB MAX SPL

15" HIGH POWER WOOFER, 75MM
INSIDE/OUTSIDE COPPER COIL

RESPONSE DOWN TO 40 HZ

SELECTABLE CROSSOVER AND HIGH PASS
OUTPUTS, PHASE SWITCH

ELECTRONIC EQUALIZATION, LIMITER AND
PROTECTION

MONO/STEREO COMBO XLR/JACK INPUT,
MONO/STEREO XLR SIGNAL OUTPUT

BALTIC BIRCH COMPACT ENCLOSURE AND 2
SIDE HANDLES FOR EASY TRANSPORTATION

BUILT IN POLE MOUNT, TWO M10 POINTS FOR
OPTIONAL SPEAKER KART



ART 705AS

SERIES →

The ART 705-AS is an extremely compact high output active subwoofer system. RCF's Research and Development engineers have developed a totally new "High Current Capacity" Monolithic amplifier alongside a totally new RCF 15" high power woofer.

RCF ART 705-AS active subwoofer integrates a high current 800 Watt amplifier, a complete electronic processor section and RCF low distortion, high power woofer. The result is a compact, high power system, unique in its class for output and low distortion.

This new high power 15" inch woofer is the result of the latest refinement in years of RCF experience in compact active subwoofers design and manufacture, resulting in a fast and controlled reproduction of the bass frequency range. Features a 3" inside/outside voice coil to minimize power compression extending the life of this product.

The input section presents mono/stereo combo

XLR/Jack input connectors and XLR high pass output connectors. A recessed master volume, the phase switch and the selectable crossover frequency switch guarantee outstanding versatility. The processor section includes active system equalization, limiter and protection functions. The system is visually monitored from 4 status LEDs.

The Baltic birch plywood enclosure is painted with black, heavy duty, textured epoxy. The front is protected from a strong, powder coated, metal grille. The cabinet features two M10 threaded points for optional speaker kart, a 35 mm pole mount socket, two ergonomic side handles.



ART 705AS INPUT PANEL

- 1 COMBO JACK/XLR FEMALE INPUT CONNECTORS (BAL/UNBAL)
- 2 MALE XLR OUTPUT LINK CONNECTORS
- 3 MALE XLR STEREO CROSSOVER OUTPUTS
- 4 RECESSED LINE LEVEL CONTROL
- 5 RECESSED PHASE CONTROL SWITCH
- 6 SELECTABLE CROSSOVER NETWORK CONTROL SWITCH
- 7 4 SYSTEM STATUS LEDS



The ART 705-AS is an extremely compact high output active subwoofer system. RCF's Research and Development engineers have developed a totally new "High Current Capacity" Monolithic amplifier alongside a totally new RCF 15" high power woofer.

The ART 705-AS delivers tight, fast controlled bass response at very high efficiency levels. Offering increased dynamic range. The system re-defines audio subwoofer performance standards.

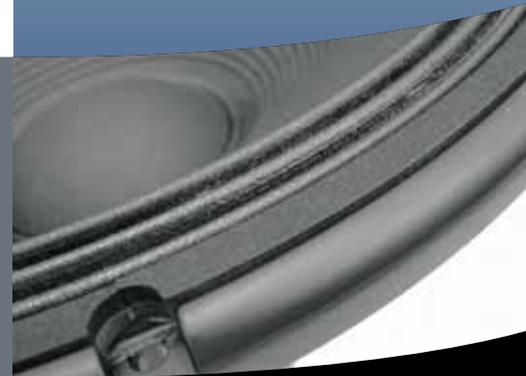
RCF engineers have developed a new High Current 800 watt class H two step ultra efficient topology amplifier to provide the critical performance demanded by True Active Subwoofers.

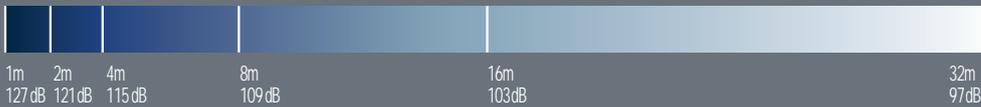
The ART 705-AS's woofer technology is using new RCF woofer design parameters. We have utilised high temperature polyimide voice coil assemblies with state of the art curing processes plus advanced magnetic structures and efficient cooling systems.

The RCF Precision "Inside/ Outside" voice coils assure long term reliability and vastly reduced power compression.

- Applications include:
- Small to medium-sized Live and Playback
 - Portable PA Systems for Speech and Multimedia
 - Mobile DJ
 - Fixed Installations

The ART 705-AS is designed to compliment all ART Active and Passive models. It can also be used as an "add -on" to any existing active or passive PA Speaker System.





FEATURES

300 WATT POWER HANDLING

127 DB MAX SPL

WIDE DISPERSION, 90°X70° LOW DISTORTION, CONSTANT DIRECTIVITY HORN

10" HIGH POWER WOOFER, 64MM IN/OUT ALUMINIUM COIL

1" NEODYMIUM, HIGH FREQUENCY DRIVER

2 X NL4 SPEAKON® CONNECTOR

1 COMFORTABLE TOP HANDLE FOR EASY TRANSPORTATION AND POSITIONING

TWO M10 FLY POINTS AND BUILT IN POLE MOUNT ADAPTOR



ART 310

SERIES →

ART 310 is the reference speaker in the 10" size. High quality neodymium transducers, very compact size cabinet. From live sound, playback and monitoring to corporate events and presentations, ART 310 is the ideal speaker in all the situations where the output of a PA and the size of a studio monitor is required. Superb deep bass punch, very linear and precise frequency response.

RCF ART 310 is an wide dispersion 2 way sound reinforcement speaker. The new 10" neodymium 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 compression driver uses a new 1.5" Mylar dome design and optimised geometry radial phase plug. This innovative design is powered from a high flux neodymium magnet offering a very open and

natural midrange sound with extreme precision in high frequency reproduction.

All the system is housed in a strong , very lightweight, polypropylene composite enclosure . The components are protected from a strong, powder coated, metal grille. The cabinet features 2 M10 threaded fly points, a 35 mm stand adaptor plus an ergonomic top handle for easy transportation.

NEODYMIUM
MAGNET

LICC LOW IMPEDANCE
COMPENSATED CROSSOVER



ART 312 / 315

| 1m | 2m | 4m | 8m | 16m | 32m |
|--------|--------|--------|--------|--------|-------|
| 127 dB | 121 dB | 115 dB | 109 dB | 103 dB | 97 dB |
| 128 dB | 122 dB | 116 dB | 110 dB | 104 dB | 98 dB |



ART 312/315 FEATURES

300 WATT POWER HANDLING

127/128 DB MAX SPL

WIDE DISPERSION, 90 X 60 LOW DISTORTION, CONSTANT DIRECTIVITY HORN

12/15" HIGH POWER WOOFER, 64MM EDGE WOUND ALUMINIUM COIL

1" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

LICC LOW IMPEDANCE COMPENSATED CROSSOVER, ELECTRONIC DRIVER PROTECTION

2 X NL4 SPEAKON® CONNECTOR

2 SIDE HANDLES AND 1 ERGONOMIC TOP HANDLE FOR EASY TRANSPORTATION AND POSITIONING

FOUR M10 FLY POINTS AND POLE MOUNT ADAPTOR

ART 315 and ART 312, ideal for live sound situations, offer the same careful acoustic design and innovative transducers used in the active series. With very good punch in bass reproduction and extremely accurate high frequencies, ART 315 and ART 312 are the perfect solution for playback and installation situations where an external amplifier is required.

RCF ART 312 and RCF ART 315 are a wide dispersion, 2 way sound reinforcement speakers. Integrates a high power LICC high level crossover network and RCF low distortion, high power transducers.

The new 12" and 15" woofer are the result of the latest refinement in years of RCF experience in compact 2 way speaker manufacturing, resulting in an accurate reproduction of the midbass frequency range and a tight punchy bass.

The compression driver uses a new 1.5" titanium dome in front of a low compression, optimised geometry, radial phase plug. This innovative design

is powered from a high flux neodymium magnet and offers a very open and natural midrange sound and extreme precision in high frequency reproduction.

Our LICC low impedance compensated crossover network featuring lower (than conventional) induction value in series with the woofer offer delay reduction, reduced phase shift and superior transient response. The compression driver is protected by a fast dynamic electronic circuit.

The input section presents 2 x NL4 Speakon® connectors offering an easy loop-through link.

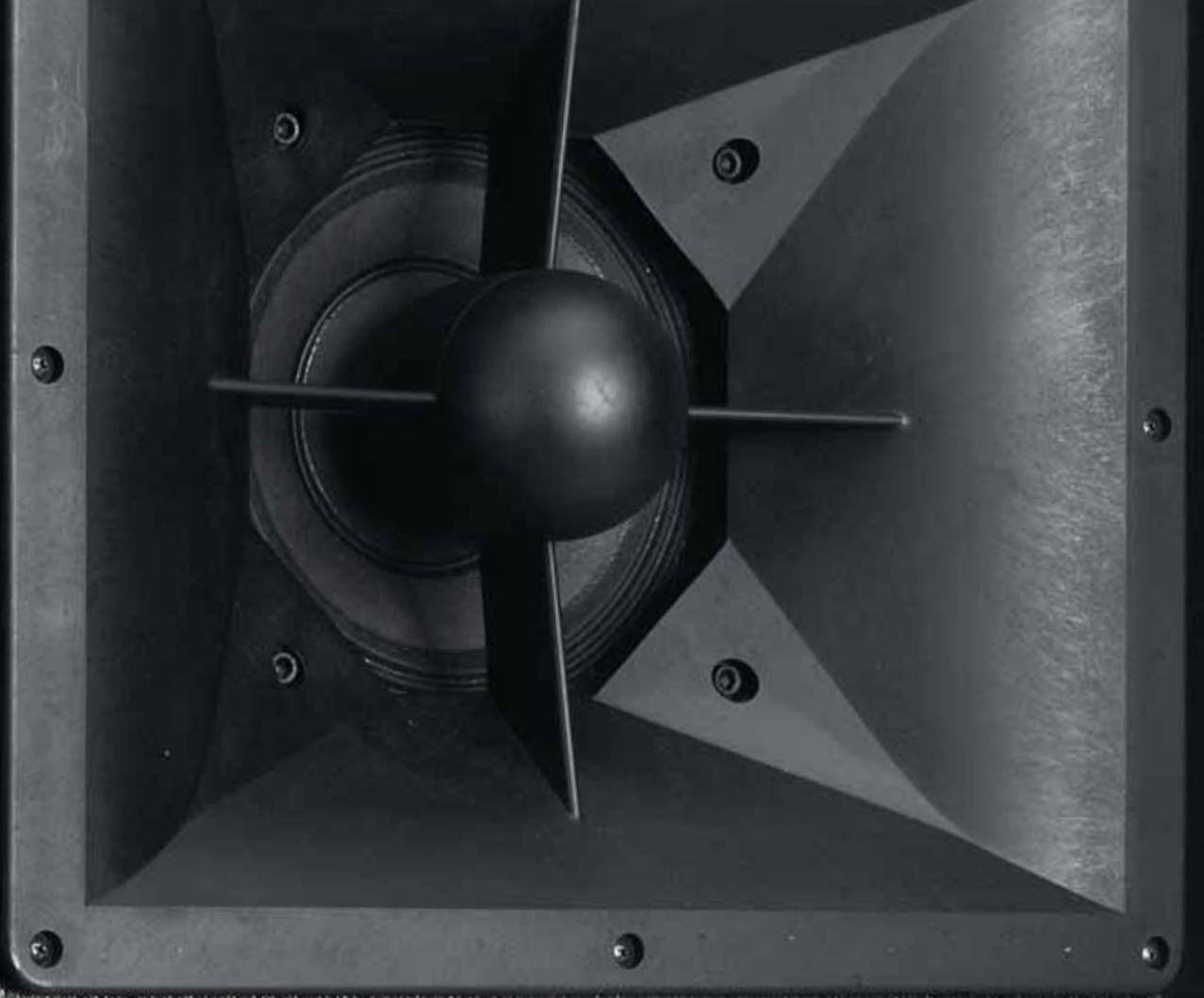
ART 312
SERIES →

ART 315
SERIES →

Pure Titanium
DIAPHRAGM

NEODYMIUM
MAGNET

LICC LOW IMPEDANCE
COMPENSATED CROSSOVER



4PRO SERIES

*Plug your favourite microphone into any 4PRO System
and immediately experience the accurate voicing.*

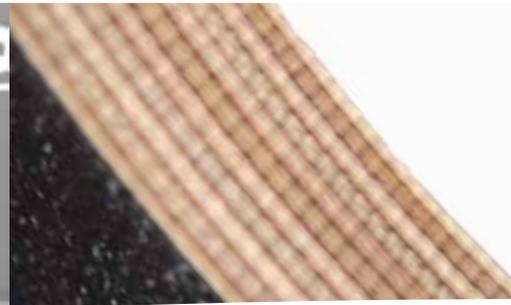
If you have had the opportunity to listen to any of our active systems live in the past, then you will, hopefully be enthusiastic about our new 4PRO Series. The system represents a natural evolution of what RCF has produced in the past. This progression has now reached the 4PRO system, dedicated to live, touring and fixed installations. As with all of our developments, it comes out of a desire to improve on what has gone before. In doing so, we first listened to what our customers said, it is from their feedback, that we have striven to produce the perfect speaker.

Over the past years, of continuous research and development of active technology, RCF have reached a whole new audience in the live PA and concert market. In doing so, one thing has become evident, in both large and small live music venues, with their professionalism there is a passion to produce something more – the sound that gives you the possibility of creating new emotions.

Active speaker technology is a cost effective solution when produced correctly. It is only by the checking of every single transducer, signal processor that is used in the speakers, plus Real time control circuits that take care of the audio chain and status of the electronics, monitoring the temperatures of heat sinks that you arrive at designing the most reliable and acoustically correct active designs. RCF is not only a pioneer in this field but a true market leader.

4PRO is designed for professionals, who have always loved RCF speakers and have looked for the perfect marriage of specific power amplifiers with the appropriate crossover or active processor.

4PRO EXPERIENCE



COMPONENTS

It is the acoustic designs that have made RCF the transducer company of choice for many of the world's leading professional audio brands. For the design of 4PRO, we have not only used all new high frequency drivers which are part of our high performance RCF and the well known RCF 18" woofer, but after 2 years of research, we have finally produced a new "state of the art" midrange unit.

The compression driver is the very latest in neodymium magnetic circuit technology, reaching levels that exceed 2 Kilogauss in the gap. The "pure titanium" diaphragms are able to reproduce transparent and accurate high frequencies, true to all the audio range. This is thanks to RCF's proprietary high pressure oxygen free moulding technology.

The low frequency drivers used in the 4PRO Series can withstand peak power of up to 6 times the nominal power. These mid bass woofers have been designed for superior reproduction of acoustic signals up to the crossover frequency.

AMPLIFIERS

All the 4PRO models are designed using newly created RCF 'True Active Extended Dynamics 'TAED' Active Amplifier Technology.

Each amplifier has a specific input board and set-up to optimise the performance in conjunction to the specific transducers in each model.

Each amplifier will give you: combo Jack/XLR balanced inputs, XLR Output link, protected gain control, Powercon® Mains Input.

Each subwoofer amplifier is equipped with mono/stereo inputs, protected gain control, low pass filters, mono/stereo crossover outputs, crossover frequency selection switch and phase control switch.

CABINETS

All 4PRO cabinets are in Baltic birch, heavy duty painted.

4PRO 3001-A and 4PRO 4001-A cabinets sides are coated with "ultra strong vinyl", top and bottom plates are moulded in high density compact polystyrene. The other models utilise a road tough textured black epoxy paint finish.

All models are equipped with flying hardware (3 M10 threaded points and flanges), 4PRO 6001-A offer 3 proprietary FlyTrak points for rapid installation.

THE NEW 4PRO THREE WAY INPUT PANEL

1 COMBO JACK/XLR FEMALE INPUT CONNECTORS (BAL/UNBAL)

2 MALE XLR OUTPUT LINK CONNECTORS

3 RECESSED LINE LEVEL CONTROL

4 4 SYSTEM STATUS LEDs



| PRODUCT | WOOFER | MIDRANGE | C. DRIVER | POWER | DIRECTIVITY | MAX SPL |
|---------------------|---------|----------|-----------|--------|-------------|---------|
| <i>4PRO 3001-A</i> | 15" | — | 1" | 400 W | 80 X 60 | 130 dB |
| <i>4PRO3002-SMA</i> | 12" | — | 2" | 400 W | 40 X 60 | 130 dB |
| <i>4PRO 4001-A</i> | 15" | 6" | 1" | 800 W | 90 X 45 | 130 dB |
| <i>4PRO 6001-A</i> | 2 x 12" | 8" | 1" | 950 W | 80 X 60 | 134 dB |
| <i>4PRO 7001-A</i> | 2 x 15" | 10" | 2" | 950 W | 60 X 40 | 138 dB |
| <i>4PRO8001-AS</i> | 18" | — | — | 800 W | — | 133 dB |
| <i>4PRO8002-AS</i> | 18" | — | — | 800 W | — | 134 dB |
| <i>4PRO7001MHP</i> | — | 10" | 3" | 400 W | 60 X 40 | 139 dB |
| <i>4PRO 7001 BP</i> | 2 x 15" | — | — | 1600 W | — | 139 dB |
| <i>4PRO 8001-S</i> | 18" | — | — | 1000 W | — | 133 dB |



FEATURES

400 WATT MONOLITHIC BI-AMPLIFICATION, 350 WATT LOW FREQUENCY AND 50 WATT HIGH FREQUENCY POWER

130 DB MAX SPL

WIDE DISPERSION, 80 X 60 LOW DISTORTION, CONSTANT DIRECTIVITY HORN

15" HIGH POWER WOOFER, 64MM EDGE WOUND ALUMINIUM COIL

1" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

MIC/LINE XLR AND JACK INPUT, XLR SIGNAL OUTPUT

BALTIC BIRCH CABINET WITH 2 SIDE HANDLES FOR EASY TRANSPORTATION AND POSITIONING

THREE M10 FLY POINTS AND STAND SOCKET

OPTIONAL REMOTE CONTROL



4PRO 3001-A

4PRO 3001-A is the perfect 2 way speaker for professional live sound situations where linearity in reproduction and extremely accurate high frequencies are required. Thanks to the versatility in live, playback and installation situations the 4PRO 3001-A represents the perfect multipurpose solution.

RCF 4PRO 3001-A is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 350 Watt amplifier, with complete electronic processor section and RCF low distortion, high power transducers. The result is a robust, high efficiency accurate system, producing unparalleled clarity and transparency for 15" and 1" 2 way speakers.

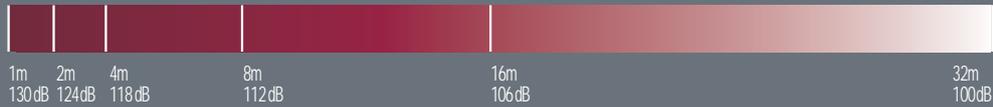
The new 15" inch woofer is the result of the latest refinement in years of RCF experience in compact 2 way speaker applications, resulting in an accurate reproduction of the midbass frequency range and a tight extended bass.

The compression driver uses a new 1.5" titanium dome in front of a low compression, optimised geometry, radial phase plug.

A generous 2 step class H design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

All components are housed in a strong Baltic birch plywood enclosure where high density polystyrene end caps guarantee the maximum strength. Woofer and horn are protected from a full front, strong, powder coated, metal grille. The cabinet features three M10 threaded fly points, a 35 mm stand adaptor, two side handles for easy portability.





FEATURES

400 WATT MONOLITHIC BI-AMPLIFICATION. 350 WATT LOW FREQUENCY AND 50 WATT HIGH FREQUENCY POWER.

130 DB MAX SPL

CONTROLLED DISPERSION, 40 X 60 LOW DISTORTION, MID-HIGH HORN ASSEMBLY

12" HIGH POWER NEODYMIUM WOOFER, 75MM INSIDE/OUTSIDE ALUMINIUM COIL

2" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

LINE COMBO XLR/JACK INPUT, XLR SIGNAL OUTPUT

BALTIC BIRCH CABINET WITH 1 SIDE HANDLES FOR EASY TRANSPORTATION AND POSITIONING

OPTIONAL REMOTE CONTROL



4PRO 3002-SMA is designed with a specific goal: build a high power, professional active stage monitor with symmetric transducers configuration maintaining the lowest possible profile and weight.

The result is a first class stage monitor with incredible amplifier power, high quality neodymium transducers, very compact size cabinet. The voice is accurate and deep, the sound transparent in the mids and extremely accurate at very high frequencies. The 40x60 horn provides a smooth and even coverage for the performer and a very low side emission. Very good feedback immunity.

RCF 4PRO 3002-SMA is an active, controlled dispersion 2 way symmetric stage monitor. It integrates a high power 400 watt amplifier, a complete electronic processor section and RCF low distortion, high power neodymium transducers.

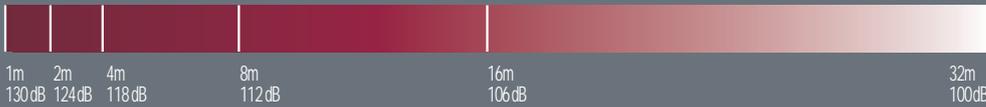
The system is unique in its class for output and vocal intelligibility. The symmetric transducers configuration guarantee the sound coherency between left and right side of the speaker.

The new 12" neodymium woofer is the result of the latest refinement in year of RCF experience in compact speakers. Features a 3" voice coil, a massive outside ring neodymium magnet, very high efficiency and controlled mid-bass reproduction.

The compression driver uses a new 2.5" pure titanium dome featuring a complex geometry suspension and Direct Drive Coil.

4PRO 3002-SMA





FEATURES

800 WATT MONOLITHIC TRI-AMPLIFICATION. 600 WATT LOW FREQUENCY, 150 WATT MIDRANGE FREQUENCY AND 50 WATT HIGH FREQUENCY POWER.

130 DB MAX SPL

WIDE DISPERSION, 90 X 45 LOW DISTORTION, MID-HIGH HORN ASSEMBLY

15" HIGH POWER WOOFER, 75MM INSIDE/OUTSIDE ALUMINIUM COIL

6" HIGH EFFICIENCY, LOW DISTORTION, HORN LOADED MIDRANGE

1" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

LINE COMBO XLR/JACK INPUT, XLR SIGNAL OUTPUT

BALTIC BIRCH CABINET WITH 2 SIDE HANDLES FOR EASY TRANSPORTATION AND POSITIONING

THREE M10 FLY POINTS



4PRO 4001-A

4PRO 4001-A is a high power 3 way speaker that provide a full solution for live sound, playback and installation situations. The extreme linearity and accuracy in reproduction make 4PRO 4001-A the first choice speaker in its class. Ideal for Main PA, Side Fills, Night Clubs and Corporate Events.

RCF 4PRO 4001-A is an active, wide dispersion 3 way sound reinforcement speaker. It integrates a massive 800 Watt amplifier, a complete electronic processor section and RCF low distortion, high power transducers. The system is compact and extremely linear and offers the typical balanced sound of high level three way systems.

RCF's unique 6" cone midrange is built in and optimised for the 4PRO 4001-A horn assembly. Specific attention has been dedicated to low distortion and dynamic properties of this transducer.

The compression driver uses a new 1.5" titanium dome in front of a low compression, optimised

geometry, radial phase plug.

A high current 2 step class H design is used to power the low frequencies. Mid and high frequencies are separately powered from class AB dedicated low distortion designs.

All components are housed in a strong Baltic birch plywood enclosure where high density polystyrene end caps guarantee the maximum strength. The woofer and mid-high horn is protected from a full front, strong, powder coated, metal grille. The cabinet features three M10 threaded fly points and two side handles for easy portability.

Pure Titanium
DIAPHRAGM

TAED

NEODYMIUM
MAGNET

IN
OUT
TECHNOLOGY



FEATURES

950 WATT MONOLITHIC TRI-AMPLIFICATION, 600 WATT LOW FREQUENCY, 300 WATT MIDRANGE FREQUENCY AND 50 WATT HIGH FREQUENCY POWER.

134 DB MAX SPL

WIDE DISPERSION, 80 X 60 LOW DISTORTION, MIDRANGE AND HIGH FREQUENCY HORNS

2 X 12" HIGH POWER NEODYMIUM WOOFERS, 75MM INSIDE/OUTSIDE ALUMINIUM COIL

8" HIGH EFFICIENCY, LOW DISTORTION, NEODYMIUM HORN LOADED MIDRANGE

1" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

LINE COMBO XLR/JACK INPUT, XLR SIGNAL OUTPUT

BALTIC BIRCH CABINET WITH 2 SIDE HANDLES AND 1 ERGONOMIC TOP HANDLE FOR EASY TRANSPORTATION AND POSITIONING

FIVE 3 POSITION FLY-TRACKS POINTS AND TWO M10 POINTS FOR REAR KART

4PRO 6001-A is a high output, medium throw, 3 way speaker designed for high demanding professional live sound systems. The incredible output and the extreme linearity and accuracy in reproduction make 4PRO 6001-A - a clear reference in its class. Perfect for Main PA, Side Fills, Night Clubs and Corporate Events

RCF 4PRO 6001-A is an active, medium throw, 3 way sound reinforcement speaker. It integrates a massive power 950 Watt amplifier, a complete electronic processor section and "full neodymium" RCF low distortion, high power transducers.

RCF's unique 8" RCF Precision Series sealed basket midrange is specifically optimised to work in conjunction with the 4PRO 6001-A midrange horn. A massive neodymium magnet and a "compression driver level" assembly design has been dedicated to reach low distortion and dynamic properties for this transducer.

The compression driver uses a new 1.75" pure titanium dome in front of a low compression,

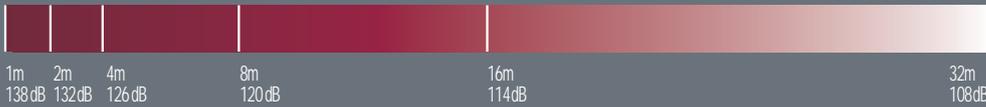
optimised geometry, 3 slot phase plug. This innovative design is powered from an extremely high flux neodymium magnet and offers incredible precision in high frequency reproduction.

A high current 2 step class H design is used to power the low frequencies, mid and high frequencies are separately powered from class AB dedicated low distortion designs.

All components are housed in a trapezoidal, strong Baltic birch plywood enclosure. The cabinet features three 3 position fly-tracks and 2 M10 threaded points for rear kart. Two recessed side handles and one top handle guarantees easy portability.

4PRO 6001-A





FEATURES

950 WATT MONOLITHIC TRI-AMPLIFICATION. 600 WATT LOW FREQUENCY, 300 WATT MIDRANGE FREQUENCY AND 50 WATT HIGH FREQUENCY POWER.

138 DB MAX SPL

CONTROLLED DISPERSION, 60 X 40 LOW DISTORTION, MID-HIGH HORNS

2 X 15" NEODYMIUM HIGH POWER MID-BASS, 75MM INSIDE/OUTSIDE ALUMINIUM COIL

10" NEODYMIUM HIGH EFFICIENCY, LOW DISTORTION, SEALED BASKET, HORN LOADED MIDRANGE

2" NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER, ALUMINIUM HORN

ELECTRONIC EQUALIZATION, PHASE ALIGNMENT, LIMITER AND PROTECTION

LINE COMBO XLR/JACK INPUT, XLR SIGNAL OUTPUT

BASS DELAY INSERT, MID-HIGH PHASE SWITCH, ARRAY EQUALISATIONS

BALTIC BIRCH CABINETS WITH ALUMINIUM HANDLES FOR EASY TRANSPORTATION AND POSITIONING

9 M10 FLY POINTS 7001A-MH, 8 M10 FLY POINTS 7001A-BA



4PRO 7001-MH

4PRO 7001-A

4PRO 7001-A is powerful and precise in concert sound applications and equally impressive in professional sound systems such as large clubs and theatres. Any element of the system is pushed well below its limit and the final result is a remarkably clean and transparent sound, with the lowest distortion, an increased overall output and an exceptionally smooth frequency response. Specially engineered for touring applications

4PRO 7001-A is a leading edge system for touring and professional applications. It is an arrayable, active, medium throw system that integrates a massive power 950 Watt amplifier, a complete electronic processor section and "full neodymium" RCF low distortion, high power transducers.

The new 15" inch mid-bass are the result of the latest refinement in years of RCF experience in speaker design and manufacture, resulting in an accurate and a tight bass response. RCF's unique 10" Precision sealed basket midrange is specially optimised to work with the 4PRO-7001-A 60x40 midrange horn. A massive neodymium magnet and

a "Compression Driver level" assembly design has been dedicated to reach low distortion and dynamic properties for this transducer. The compression driver uses a new 2.5" titanium dome in front of a low compression, optimised geometry, aluminum phase plug. This innovative design is powered from a high flux neodymium magnet and offers a very open and natural sound and an extreme precision in high frequency reproduction. The driver is loaded on a 60x40 constant directivity aluminum horn. A high current 2 step class H design is used to power the low frequencies. Mid and high frequencies are separately powered from class AB dedicated low distortion designs.





4PRO 7001-BA

1 COMBO JACK/XLR FEMALE INPUT/OUTPUT CONNECTORS (BAL/UNBAL)

2 XLR IN/OUT MB SECTION TIME DELAY INSERT

3 MH SECTION SPEAKON OUTPUT

4 RECESSED LINE LEVEL CONTROL

5 RECESSED MH SECTION PHASE CONTROL SWITCH

6 SELECTABLE EQUALISATION NETWORK CONTROL SWITCH

7 4 SYSTEM STATUS LEDs



The very unique input section presents a combo XLR/Jack line input connector, a recessed master volume and a useful XLR loop-through link. Extra features are the Bass external time delay in/out, the "3-position" array equalisation, the mid-high phase switch.

The processor section includes active crossover, system equalization, transducer phase alignment, limiter and protection functions. The system is visually monitored from 4 status LEDs.

4PRO-7001 MH is the two way mid-high system in a trapezoidal enclosure for easy array applications. 4PRO-7001 is the active mid-bass section, including 2 x 15" high power neodymium mid-bass and the powered electronic. The two 15" are loaded in pass-band high efficiency configuration.

All components are housed in a strong Baltic birch plywood enclosures. The cabinets features M10 threaded fly points and 8 each 3-position fly-tracks. Two side handles for easy portability for the MH and 4 side handles for the BA.



FEATURES

HIGH CURRENT 800 WATT CLASS H AMPLIFIER

133 DB MAX SPL

18" HIGH POWER WOOFER, 100 MM INSIDE/OUTSIDE COPPER COIL

RESPONSE DOWN TO 40 HZ

SELECTABLE CROSSOVER AND HIGH PASS OUTPUTS, PHASE SWITCH

ELECTRONIC EQUALIZATION, LIMITER AND PROTECTION

MONO/STEREO COMBO XLR/JACK INPUT, MONO/STEREO XLR SIGNAL OUTPUT

BALTIC BIRCH COMPACT ENCLOSURE AND 2 SIDE HANDLES FOR EASY TRANSPORTATION

BUILT IN POLE MOUNT, TWO M10 POINTS FOR OPTIONAL SPEAKER KART



4PRO 8001-AS

4PRO 8001-AS is an active, high output, bass reflex subwoofer system. Featuring an RCF 18" newly designed high power woofer in combination with 800 Watt Monolithic amplifier. The ideal complement for 4PRO Series and ART series speakers. Perfect when you need to increase the system headroom and you look for extended bass frequency response; it is the ideal complement for existing active or passive PA. Applications include Main PA, Side Fills, Night Clubs and Corporate Events.

RCF 4PRO 8001-AS active subwoofer integrates an high current 800 Watt amplifier, a complete electronic processor section and premium RCF low distortion, high power woofer. The result is a compact, high power subwoofer, unique in his class for extended output and low distortion.

This new high power 18" inch woofer is the result of the latest refinement in years of RCF experience in compact active subwoofer design and manufacture, providing a fast and controlled reproduction of the bass frequency range.

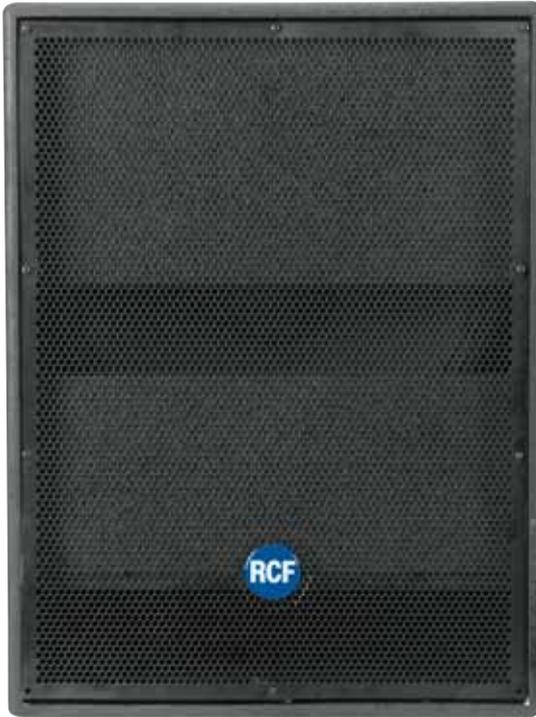
A 2 step class H design is used to power the system. This high current design controls the amount

of deliverable power in conjunction with a massive transformer and a multiple of high storage capacitors it is able to achieve perfect control of the woofer mass at very high output levels.

The input section offers mono/stereo combo XLR/Jack input connectors and XLR high pass output connectors. A recessed master volume, the phase switch and the selectable crossover frequency switch guarantee the best versatility.

The cabinet features two M10 threaded points for optional speaker kart, a 35 mm pole mount socket, two comfortable recessed side handles.





FEATURES

HIGH CURRENT 800 WATT CLASS H AMPLIFIER

134 DB MAX SPL

18" HIGH POWER RCF WOOFER, 100 MM INSIDE/OUTSIDE COPPER COIL

RESPONSE DOWN TO 40 HZ

SELECTABLE CROSSOVER AND HIGH PASS OUTPUTS, PHASE SWITCH

ELECTRONIC EQUALIZATION, LIMITER AND PROTECTION

MONO/STEREO COMBO XLR/JACK INPUT, MONO/STEREO XLR SIGNAL OUTPUT

BALTIC BIRCH COMPACT ENCLOSURE AND 2 SIDE HANDLES FOR EASY TRANSPORTATION

BUILT IN POLE MOUNT, TWO M10 POINTS FOR OPTIONAL SPEAKER KART



4PRO 8002-AS is an active, high output, bandpass subwoofer system. Featuring an 18" newly designed RCF high power woofer in combination with 800 Watt Monolithic amplifiers. The 4PRO 8002-AS is the ideal complement for 4PRO Series and ART series speakers. Perfect when you need to increase the system headroom and you look for powerful punchy bass response; it is the ideal complement for existing active or passive PA. Applications include Main PA, Side Fills, Night Clubs and Corporate Events.

RCF 4PRO 8002-AS active subwoofer integrates a high current 800 Watt amplifier, plus complete electronic processor section and RCF Precision Series low distortion, high power woofer. The result is a compact, high power subwoofer, unique in its class for punchy output and low distortion characteristics.

This new high power 18" inch woofer is the result of the last refinement in years of RCF experience in compact active subwoofers design, resulting in a fast and controlled reproduction of the bass frequency range.

A 2 step class H design is used to power the system. This high current design, the amount of

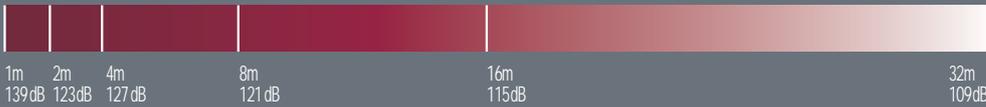
deliverable power in conjunction with a massive transformer and a multiple of high storage capacitors is able to achieve perfect control of the woofer mass at very high output levels.

The input section presents mono/stereo combo XLR/Jack input connectors and XLR high pass output connectors. A recessed master volume, the phase switch and the selectable crossover frequency switch guarantee the best versatility.

The cabinet features two M10 threaded points for optional speaker kart, a 35 mm pole mount adaptor, two ergonomic recessed side handles.

4PRO 8002-AS





4PRO 7001-MHP FEATURES

400 WATT POWER HANDLING

139 DB MAX SPL

CONTROLLED DISPERSION, 60 X 40, LOW DISTORTION MID HIGH HORN

10" NEODYMIUM HIGH EFFICIENCY, LOW DISTORTION, SEALED BASKET, HORN LOADED MIDRANGE

3" VOICE COIL, NEODYMIUM, TITANIUM DOME, HIGH FREQUENCY DRIVER, ALUMINIUM HORN

2 X NL4 NEUTRIK SPEAKON CONNECTORS BALTIC BIRCH CABINET, 2 ALUMINIUM HANDLES FOR EASY TRANSPORTATION AND POSITIONING

M10 FLY POINTS, 9 FLY TRACKS POINTS



4PRO 7001-MHP

4PRO 7001-MHP is the two way mid-high system in a trapezoidal enclosure for easy array applications

4PRO 7001-BP

4PRO 7001-BP is the mid-bass section, including 2 x 15", 4" voice coil, high power vented neodymium mid-bass. The two 15" are loaded in band-pass high efficiency configuration.

4PRO 7001

4PRO 7001 is unique in concert sound applications for SPL and dynamics and equally impressive in professional sound systems such as large clubs and theatres. Specially engineered for touring applications and Large Venue Installations.

4PRO 7001 is a leading edge system for touring and professional applications. It is an arrayable, medium throw system that integrates very high power "full neodymium" RCF low distortion transducers.

The new 15" inch neodymium, 4" voice coil mid-bass are the result of the latest refinement in years of RCF experience in speaker design and manufacture, resulting in an accurate and a tight bass response.

RCF's unique 10" Precision sealed basket midrange is specially optimized to work with the 4PRO-7001 60x40 midrange horn. A massive neodymium magnet and a "Compression Driver level" assembly design has been dedicated to reach

low distortion and dynamic properties for this transducer.

The compression driver is our "reference model", using a new 3" titanium dome in front of a low compression, optimized geometry, aluminum phase plug.

This innovative design is powered from a high flux neodymium magnet and offers a very open and natural sound and an extreme precision in high frequency reproduction. The driver is loaded on a 60x40 constant directivity aluminum horn.



All components are housed in strong Baltic birch plywood enclosures. The woofers and mid-high horns are protected from a full front, strong, powder coated, metal grilles.

The cabinets features M10 threaded fly points and 8 each 3-position fly-tracks. Two side handles for easy portability for the 7001-MHP and 4 side handles for the 7001-BP.



4PRO 7001-BP



4PRO 7001-BP FEATURES

1600 WATT POWER HANDLING

139 DB MAX SPL

**2 X 15" NEODYMIUM, HIGH POWER MID-BASS,
100 MM INSIDE-OUTSIDE COPPER COIL**

**2 X NL4 NEUTRIK SPEAKON CONNECTORS
BAL TIC BIRCH CABINET, 4 ALUMINIUM HANDLES
FOR EASY TRANSPORTATION AND POSITIONING**

M10 FLY POINTS, 8 FLY TRACKS POINTS

LOUDSPEAKER MANAGEMENT SYSTEM

DX4008

The DX 4008 is a complete 4 input - 8 output digital loudspeaker management system designed for the touring or fixed sound installation markets. The absolute latest in available technology is utilized with 32-bit (40-bit extended) floating point processors and high performance 24-bit Analog Converters. Sampling rate can be set to 96kHz. The high-bit DSP prevents noise and distortion induced by truncation errors of the commonly used 24-bit fixed-point devices. A complete set of parameters include I/O levels, delay, polarity, 6 bands of parametric EQ per channel, multiple crossover selections and full function limiters.



Precise frequency control is achieved with its 1 Hz resolution. Inputs and outputs can be routed in multiple configuration to meet any requirements.

The DX 4008 can be controlled or configured in real time on the front panel or with the intuitive PC GUI accessed via the RS 232 interface. Software upgrade for CPU and DSP via PC keeps the device current with newly developed algorithms and functions once available. Multiple setup storage and system security complete this professional package.



FEATURES

1000 WATT POWER HANDLING

133 DB MAX SPL

18" HIGH POWER WOOFER, 100 MM
INSIDE/OUTSIDE COPPER COIL

RESPONSE DOWN TO 40 HZ

LOW PASS CROSSOVER AND HIGH PASS OUTPUT
2 X NL4 SPEAKON® CONNECTOR

2 x NL4 SPEAKON® CONNECTOR

BALTIC BIRCH COMPACT ENCLOSURE AND 2
SIDE HANDLES FOR EASY TRANSPORTATION

BUILT IN POLE MOUNT, TWO M10 POINTS FOR
OPTIONAL SPEAKER KART



4PRO 8001-S

4PRO 8001-S is a Passive Technology high output bass reflex subwoofer system. Featuring a 18" newly designed RCF high power woofer. This compact enclosure provides outstanding efficiency in sound pressure levels compared to the size. Perfect when you need to increase the system headroom and are looking for extended bass frequency response, it is the ideal complement for existing active or passive PA. Applications include Sub Bass Add on's for Main PA, Side Fills, Night Club and Corporate Events

RCF 4PRO 8001-S subwoofer integrates an RCF Precision Series low distortion, high power woofer a low pass / high pass output crossover filter in a small size, robust baltic birch plywood enclosure. The result is a compact, high power subwoofer remarkable for extended output and low distortion.

This new high power 18" inch woofer is the result of the latest refinement in years of RCF experience in compact subwoofers design and manufacture, resulting in a fast and controlled reproduction of the bass frequency range. Features

a 4" inside/outside copper voice coil to minimize power compression and extend the life of this product.

The input section presents 2 x NL4 Speakon® connectors.

The Baltic birch plywood enclosure is painted with black, heavy duty, textured epoxy. The front is protected from a strong, powder coated, metal grille. The cabinet features two M10 threaded points for optional speaker kart, a 35 mm pole mount adaptor, two comfortable recessed side handles.



RCF

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RCF PROFESSIONAL AMPLIFIERS



HC 1600



HC 2000



HC 3200

HC SERIES

High Current Series Power Amplifiers

These professional stereo power amplifiers, working in class-H mode, provide from 2 x 800 W up to 1 x 3200 W respectively, at an efficiency of around 85%.

A massive transformer based power supply and hand selected components make these power ratings possible with exceptional audio quality and absolute reliability, even in the 2 ohm mode.

The output stages are fully protected against over-temperature, short circuit, RFI and equipped with soft start circuit and temperature-controlled fan cooling.

The integral soft clip limiter protects against damage to the connected loudspeakers. The activity of a protective circuit, signal and limiter is shown for each channel by LED's.

| PRODUCT | HC 1600 | HC 2000 | HC 3200 |
|-------------------------------------|---|---|---|
| Output (W) Stereo per Channel @ Ohm | 800/2 650/4 350/8 | 1000/2 800/4 500/8 | 1600/2 1100/4 700/8 |
| Output (W) bridged @ 8 Ohm | 1300 | 1600 | 2200 |
| Output (W) bridged @ 4 Ohm | 1600 | 2000 | 3200 |
| Frequency response $\pm 0,2$ dB | 20Hz \div 20 KHz | 20Hz \div 20 KHz | 20Hz \div 20 KHz |
| Frequency response ± 3 dB | 10Hz \div 65 KHz | 10Hz \div 65 KHz | 10Hz \div 65 KHz |
| THD + N | 0,02 % at 1 KHz 0,1 % to 20 KHz | 0,02 % at 1 KHz 0,1 % to 20 KHz | 0,02 % at 1 KHz 0,1 % to 20 KHz |
| Input sensitivity | 0,775 V | 0,775 V | 0,775 V |
| Input impedance | 20 kOhm bal./ 10 kOhm unbal. | 20 kOhm bal./ 10 kOhm unbal. | 20 kOhm bal./ 10 kOhm unbal. |
| Dampening factor | 200:1 (80hm) | 200:1 (80hm) | 200:1 (80hm) |
| Slew Rate | 50V/ μ S | 50V/ μ S | 50V/ μ S |
| Input connection | 2 x 6,3mm jack and XLR / bal. | 2 x 6,3mm jack and XLR / bal. | 2 x 6,3mm jack and XLR / bal. |
| Output connection | 2 x Speakon-4 | 2 x Speakon-4 | 2 x Speakon-4 |
| Protection | thermal, temerature, direct current, short circuit, RFI | thermal, temerature, direct current, short circuit, RFI | thermal, temerature, direct current, short circuit, RFI |
| Dimensions | 19", 2 U rack 19" | 19", 2 U rack 19" | 19", 3 U rack 19" |
| Weight | 17 kg/ 37 lbs | 18 kg/ 40 lbs | 29 kg/ 64 lbs |

ED SERIES

Extended Dynamic Power Amplifiers

A new and unique Class-H circuitry technology using state of the art SMD Surface Mount Technology with a reduced number of components offering performance levels exceeding audiophile levels like a slew rate of 50V/μs and high-end extended dynamic sound. The high efficiency of the ED series enables maximum efficiency with low heat generation.

The 2U amplifiers at 2 x 300 W or 2 x 550 W respectively into 4 ohms are equipped complete with temperature-controlled fan cooling, all common protective circuits such as over-temperature, short circuit, RFI and soft start. The integral soft clip limiter protects against damage to the connected loudspeakers, the activity of a protective circuit, signal and limiter are shown for each channel by LED's.

ED 600



ED 1100

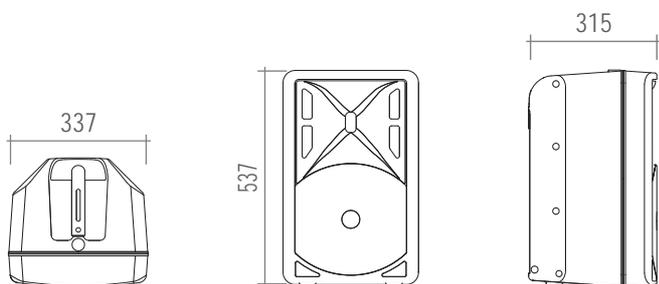


| PRODUCT | ED 600 | ED 1100 |
|---------------------------------------|---|---|
| Output (W) Stereo per Channel @ 8 Ohm | 2 x 300 / 4 2 x 180 / 8 | 2 x 550 / 4 2 x 265 / 8 |
| Output (W) bridged @ 8 Ohm | 1 x 600 / 8 | 1 x 1100 / 8 |
| Mono, one channel @ 8 Ohm | 1 x 310 / 4 1 x 195 / 8 | 1 x 570 / 4 1 x 325 / 8 |
| Frequency response ±1dB | 20 ÷ 20.000 Hz | 20 ÷ 20.000 Hz |
| Frequency response ±3dB | 20 ÷ 57.000 Hz | 20 ÷ 57.000 Hz |
| THD + N | 0,05 % @ 1 KHz | 0,05 % @ 1 KHz |
| SMPTE IMD | < 0,03% max. Power@4 Ohm | < 0,03% max. Power@4 Ohm |
| Dampening factor | > 200:1 (8 Ohm) | > 200:1 (8 Ohm) |
| Slew Rate | 50V/μS | 50V/μS |
| Self noise | > 105 dB, A-weighted | > 105 dB, A-weighted |
| Signal to noise ratio | > 70dB@ 1 KHz | > 70dB@ 1 KHz |
| Input sensitivity | 0 dBm (0,775 V RMS) | 0 dBm (0,775 V RMS) |
| Input impedance | 20 KOhm bal., 10 KOhm unbal. | 20 KOhm bal., 10 KOhm unbal. |
| Protection | Thermal, direct current, RFI, short circuit, transformer protection | Thermal, direct current, RFI, short circuit, transformer protection |
| Input connection | 2 x XLR bal., 6,3mm jack unbal. | 2 x XLR bal., 6,3mm jack unbal. |
| Output connection | 2 x Neutrik Speakon4 | 2 x Neutrik Speakon4 |
| Cooling | 1 x temperature controlled ventilator | 1 x temperature controlled ventilator |
| Current consumption | max. 6A | max. 10A |
| Dimensions | 88 x 482 x 350 mm + Handles 40mm | 88 x 482 x 350 mm + Handles 40mm |
| Built-in dimensions | 2 U rack 19" | 2 U rack 19" |
| Weight | 12,5 kg/ 28 lbs | 15 kg/ 33 lbs |

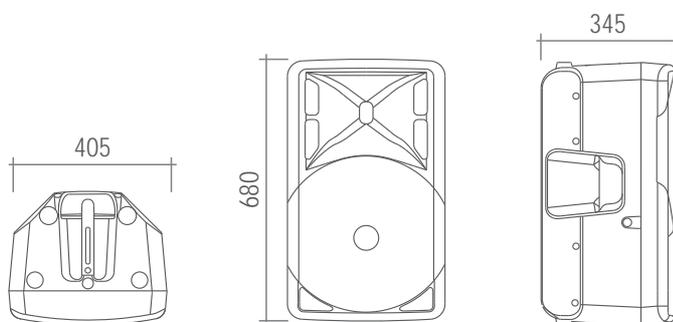
ART PRODUCT SPECIFICATIONS

All dimensions are in millimeter.

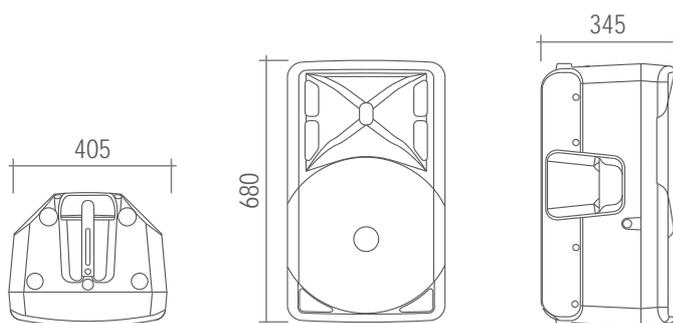
ART 310-A ART 310



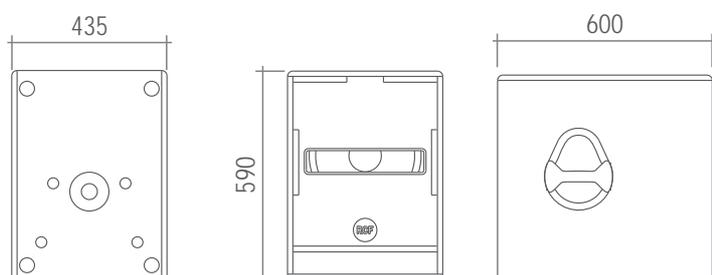
ART 312 ART 315



ART 312-A ART 315-A
ART 522-A ART 525-A



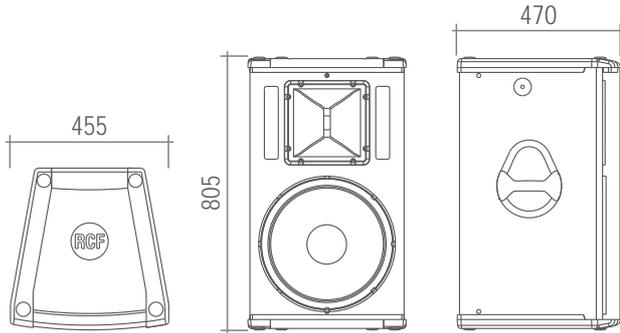
ART 705-AS



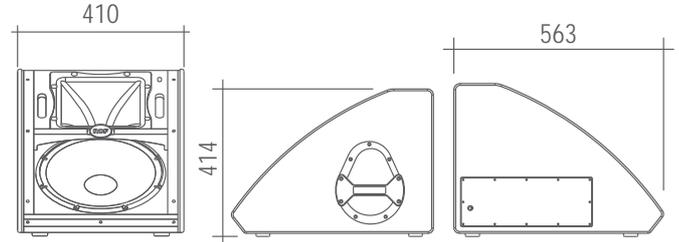
4PRO PRODUCT SPECIFICATIONS

All dimensions are in millimeter.

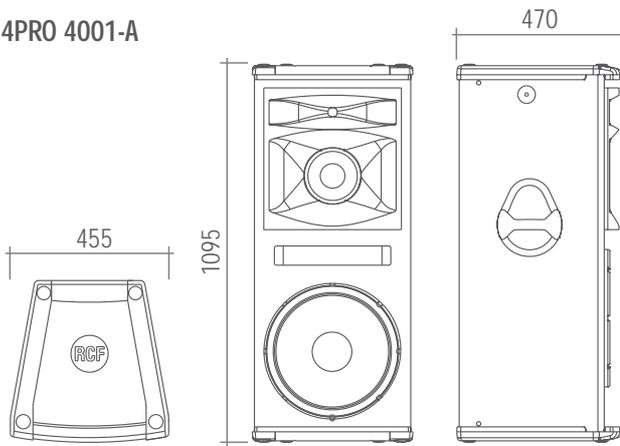
4PRO 3001-A



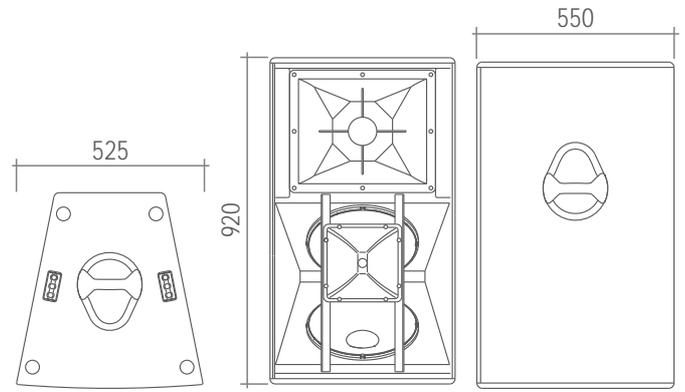
4PRO 3002-SMA



4PRO 4001-A

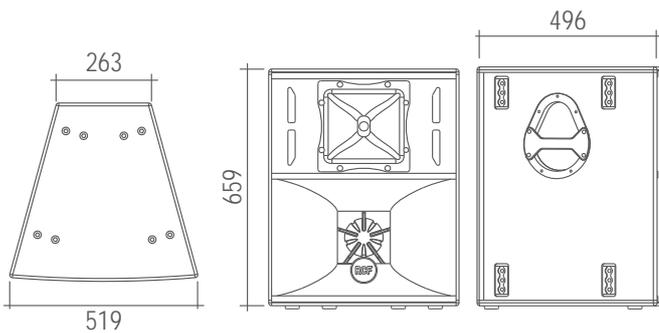


4PRO 6001-A



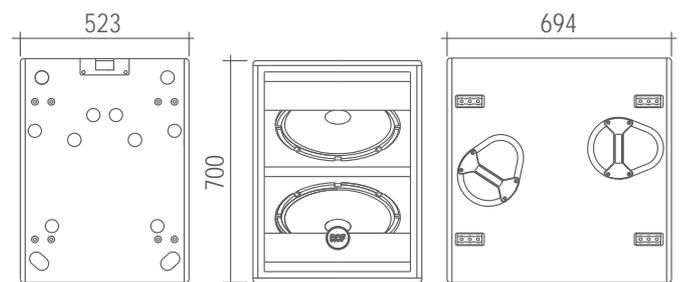
4PRO 7001 A-MH

4PRO 7001 MH



4PRO 7001 A-BA

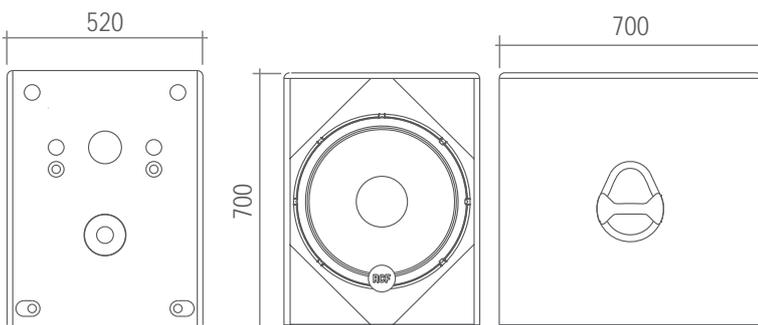
4PRO 7001 BA



4PRO 8001-AS

4PRO 8001-S

4PRO 8002-AS



| ART525-A | ART 310 | ART 312 | ART 315 | ART 705-AS |
|---------------------|---------------------|---------------------|---------------------|-----------------|
| 13000123 | 13000075 | 13000031 | 13000023 | 13000008 |
| 13000128 | – | – | – | 13000037 |
| 45 - 20 Khz | 50 - 20 Khz | 45 - 20 Khz | 50 - 20 Khz | 40- xover point |
| 131 | 127 dB | 127 dB | 128 dB | 130 dB |
| 90 x 60 | 90 X 70 | 90 X 60 | 90 X 60 | – |
| neo 2" | neo 1" | neo 1" | neo 1" | – |
| – | – | – | – | – |
| neo 15" | 10" | 12" | 15" | 15" |
| – | 300 w | 300 w | 300 w | – |
| bal/unbal | 8 ohm | 8 ohm | 8 ohm | bal/unbal |
| jack/xlr | speakon | speakon | speakon | jack/xlr |
| xlr | speakon | speakon | speakon | xlr |
| 0 dBu | – | – | – | 0 dBu |
| – | – | – | – | – |
| 1200 Hz | 1800 Hz | 1800 Hz | 1800 Hz | 40- xover point |
| – | – | – | – | 80/100/120 Hz |
| DC/short cir. | electronic | electronic | electronic | uC Protection |
| fast/rms limiter | – | – | – | fast limiter |
| yes | – | – | – | yes |
| – | – | – | – | yes |
| – | – | – | – | – |
| – | – | – | – | – |
| 750 Watt | – | – | – | 800 Watt |
| Digital 250 Watt | – | – | – | – |
| – | – | – | – | – |
| Digital 500 Watt | – | – | – | H / 800 Watt |
| Convection | – | – | – | Forced |
| 680 | 537 | 680 | 680 | 590 |
| 405 | 337 | 405 | 405 | 435 |
| 345 | 314 | 345 | 345 | 600 |
| 17.2 Kg | 10 Kg | 16 Kg | 17 Kg | 37 Kg |
| Composite PP | Composite PP | Composite PP | Composite PP | Baltic Birch |
| 4 M10 flying points | 2 M10 flying points | 4 M10 flying points | 4 M10 flying points | 2 M10 for kart |
| 2 side, 1 top | 1 top | 2 side, 1 top | 2 side, 1 top | 2 side |
| yes | yes | yes | yes | yes |
| Anthracite gray | Anthracite gray | Anthracite gray | Anthracite gray | Black |

4PRO PRODUCT SPECIFICATIONS

| PRODUCT | 4PRO 3001-A | 4PRO 3002-SMA | 4PRO 4001-A | 4PRO 6001-A | 4PRO 7001 A-MH | 4PRO 7001 A-BA |
|-----------------------------|---------------------|-----------------|---------------------|----------------------------|------------------|----------------|
| 230 VOLT PART NUMBER | 13000015 | 13000052 | 13000016 | 13000007 | 13000055 | 13000054 |
| 115 VOLT PART NUMBER | 13000042 | — | 13000041 | 13000040 | — | 13000080 |
| ACOUSTICAL SPEC. | | | | | | |
| Frequency response | 45 - 20 KHz | 45 - 20 KHz | 45 - 20 KHz | 50 - 20 KHz | | |
| Max SPL | 130 dB | 130 dB | 130 dB | 134 dB | | |
| Coverage angle | 80 x 60 | 40 x 60 | 90 x 45 | 80 x 60 | | |
| Compression driver | neo 1" | neo 2" | neo 1" | neo 1" | neo 2" | — |
| Midrange | x | x | 6" | neo 8" | neo 10" | — |
| Woofers | 15" | neo 12" | 15" | 2 x neo 12" | — | 2 x neo 15" |
| Power handling | — | — | — | — | — | — |
| INPUT SECTION | | | | | | |
| Input signal (Impedance) | bal/unbal | bal/unbal | bal/unbal | bal/unbal | — | bal/unbal |
| Input connector | jack/xlr | jack/xlr | jack/xlr | jack/xlr | — | jack/xlr |
| Output signal connector | xlr | xlr | xlr | xlr | — | xlr |
| Input sensitivity | 0 dBu | 0 dBu | 0 dBu | 0 dBu | — | 0 dBu |
| Mic. input sensitivity | -40 dBu | -40 dBu | — | — | — | — |
| PROCESSOR SECTION | | | | | | |
| Crossover frequencies | 1800 Hz | 1100 Hz | 600 Hz / 2800 Hz | 360 Hz / 2000 Hz | 200 Hz / 1200 Hz | 200 Hz |
| Selectable high pass output | — | — | — | — | — | — |
| Protections | DC / short cir. | DC / short cir. | uC Protection | uC Protection | — | uC Protection |
| Limiter | fast limiter | fast limiter | fast limiter | fast limiter | — | fast limiter |
| Master volume | yes | yes | yes | yes | — | yes |
| Phase switch | — | — | — | — | — | yes |
| Music / Voice eq | yes | yes | — | — | — | — |
| Remote control option | yes | yes | — | — | — | — |
| AMPLIFIER | | | | | | |
| Nominal power | 400 Watt | 400 Watt | 800 Watt | 950 Watt | — | 950 Watt |
| High frequencies | ab / 50 Watt | ab / 50 Watt | ab / 50 Watt | ab / 50 Watt | — | ab / 50 Watt |
| Mid frequencies | — | — | H / 150 Watt | H / 300 Watt | — | H / 300 Watt |
| Low frequencies | H / 350 Watt | H / 350 Watt | H / 600 Watt | H / 600 Watt | — | H / 600 Watt |
| Cooling | Forced | Convection | Forced | Forced | — | Forced |
| PHISICAL SPEC. | | | | | | |
| Height | 805 | 414 | 1095 | 920 | 659 | 694 |
| Width | 455 | 410 | 455 | 525 | 519 | 523 |
| Depth | 470 | 563 | 470 | 550 | 496 | 700 |
| Weight | 33 Kg | 25.4 Kg | 47 Kg | 55 Kg | 30.6 Kg | 54 Kg |
| Cabinet | Baltic Birch | Baltic Birch | Baltic Birch | Baltic Birch | Baltic Birch | Baltic Birch |
| Hardware | 3 M10 flying points | — | 3 M10 flying points | Five 3 position fly-tracks | 9 Fly Traks | 8 Fly Traks |
| Handles | 2 side | 1 side | 2 side | 2 side, 1 top | 2 side | 4 side |
| Pole Mount / Cap | yes | — | — | — | — | — |
| Colour | Black | Black | — | Black | Black | Black |

| 4PRO 8001-AS | 4PRO 8002-AS | 4PRO 7001 MHP | 4PRO 7001 BP | 4PRO 8001-S |
|---------------------|---------------------|-------------------------------------|--|---------------------|
| 13000005 | 13000006 | 13000073 | 13000074 | 13000020 |
| 13000038 | 13000039 | | | |
| 40- xover point | 40- xover point | | | 40- xover point |
| 133 dB | 134 dB | | | 134 dB |
| – | – | | | – |
| – | – | neo 3" | – | – |
| – | – | neo 10" | – | – |
| 18" | 18" | – | 2 x neo 15" | 18" |
| – | – | 400 W | 1600 W | 1000 W |
| bal/unbal | bal/unbal | 8 ohm | 8 ohm | 8 ohm |
| jack/xlr | jack/xlr | speakon | speakon | speakon |
| xlr | xlr | – | – | speakon |
| 0 dBu | 0 dBu | – | – | – |
| – | – | – | – | – |
| 40 Hz - xover point | 40 Hz - xover point | 300 Hz (Active) / 1300 Hz (Passive) | 8 Hz (Active) or below 300 Hz (Active) | 40 Hz - xover point |
| 80/100/120 Hz | 80/100/120 Hz | – | – | 100 Hz |
| uC Protection | uC Protection | – | Electronic | – |
| fast limiter | fast limiter | – | – | – |
| yes | yes | – | – | – |
| yes | yes | – | – | – |
| – | – | – | – | – |
| – | – | – | – | – |
| 800 Watt | 800 Watt | – | – | – |
| – | – | – | – | – |
| – | – | – | – | – |
| H / 800 Watt | H / 800 Watt | – | – | – |
| Forced | Forced | – | – | – |
| 700 | 700 | 659 | 694 | 700 |
| 520 | 520 | 519 | 523 | 520 |
| 700 | 700 | 496 | 700 | 700 |
| 54 Kg | 56 Kg | 33 Kg | 54 Kg | 50 Kg |
| Baltic Birch | Baltic Birch | Baltic Birch | Baltic Birch | Baltic Birch |
| 2 M10 for kart | 2 M10 for kart | 9 Fly Traks | 8 Fly Traks | 2 M10 for kart |
| 2 side | 2 side | 2 side | 4 side | 2 side |
| yes | yes | – | – | yes |
| Black | Black | Black | Black | Black |



the rules of sound

Cod.10116096

RCF SpA Italy:
tel. +39 0522 274 411 - fax +39 0522 232 428
www.rcfaudio.com - e-mail: info@rcf.it

RCF UK Sales Office:
tel. Int. +44 870 626 3142
tel. UK 844 745 1234
e-mail: info@rcfaudio.co.uk

RCF France Sales Office:
tel. +33 6 07501800
e-mail: rcffrance@aol.com

RCF Germany Sales Office:
tel. +49 2203 925370
e-mail: germany@rcf.it

RCF USA Inc.:
tel. +1 (603) 926-4604
e-mail: info@rcf-usa.com