



**LIVE** SOUND

# ART 7 <sup>MK4</sup>

## ACTIVE TWO-WAY SPEAKER

The ART Series is the beating heart of RCF. These multiple purpose active speakers represent the finest examples of audio design in a rugged composite cabinet. The ART concept offers the best audio choice for a multitude of live sound applications in a portable device. Just connect your microphone, your mixer or your audio device to the speaker and turn up the volume: there are no complex menus, no knobs to understand.



The 4.0" voice coil allows a crossover point of 650 Hz

### / POWERFUL CLASS D AMPLIFIERS

RCF's Class-D power amplifier technology packs huge performance operating with high efficiency into a lightweight solution. ART 7 amplifiers deliver ultra-fast attack, realistic transient response and impressive audio performance. The amplifier features a solid mechanical aluminium structure which not only stabilises the amplifier during transportation but also helps the fan-less heat dissipation. All the ART 7 amplifiers present SMPS power supply section in order to produce maximum output and minimum transportation weight.

### / SUPERIOR COMPRESSION DRIVERS

The ND940 large format Compression Driver with 4" voice coil is the key feature of the ART 745-A MK4. The extremely low crossover point of 650Hz is a must for a perfect reproduction of the vocal range. The ND840 Compression Driver inside the ART 735-A MK4 and the ART 732-A MK4 with a 3" voice coil allows a crossover point at only 900 Hz. This allows a better impulse response, fast decay and superior efficiency. Lightweight and powerful, our neodymium drivers are a reference in performance and reliability.



#### ART 745-A MK4

#### ART 735-A MK4

#### ART 715-A MK4

#### ART 732-A MK4

#### ART 712-A MK4

1400 watt

1400 watt

1400 watt

1400 watt

1400 watt

**FiRPHASE**

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**FiRPHASE**

15" Woofer, 3.5" v.c.

15" Woofer, 3.0" v.c.

15" Woofer, 2.5" v.c.

12" Woofer, 2.5" v.c.

12" Woofer, 2.5" v.c.

1.4" C.Driver, **4.0"** v.c.

1.4" C.Driver, **3.0"** v.c.

1.0" C. Driver, 1.75" v.c.

1.4" C. Driver, **3.0"** v.c.

1.0", C. Driver 1.75" v.c.

133 dB Max SPL

132 dB Max SPL

130 dB Max SPL

131 dB Max SPL

129 dB Max SPL

Jack -XRL IN  
XLR OUT  
VDE AC socket

Jack - XRL IN  
XLR OUT  
VDE AC socket

Jack - XRL IN  
XLR OUT  
VDE AC socket

Jack - XRL IN  
XLR OUT  
VDE AC socket

Jack - XRL IN  
XLR OUT  
VDE AC socket

708x437x389mm  
27.87x17.2x15.31 inch  
(HxWxD)

708x437x389 mm  
27.87x17.2x15.31 inch  
(HxWxD)

708x437x389 mm  
27.87x17.2x15.31 inch  
(HxWxD)

637x384x363 mm  
25.08x15.12x14.29 inch  
(HxWxD)

637x387x363 mm  
25.08x15.24x14.29 inch  
(HxWxD)

18.8 kg - 41.45 lbs

21.4 kg - 47.18 lbs

19.6 kg - 43.21 lbs

17.8 kg - 39.24 lbs

17.8 kg - 39.24 lbs

“*ART re-engineered*”

### / BRING ART WITH YOU

The RCF ART 7 Series has earned the prestigious international Red Dot Design Award in the Product Design category. Receiving the renowned Red Dot acts as proof of the excellent design achievements of professionals and up-and-coming talents alike, thus symbolising a seal of quality of their ability. With its outstanding and innovative design, the Art 7 Series has succeeded in one of the most renowned and hardest international design competitions worldwide.



reddot design award



#### **ART 710-A MK4**

1400 watt

**FIRPHASE**

10" Woofer, 2.5" v.c.

1.0", C. Driver 1.75" v.c.

129 dB Max SPL

Jack - XRL IN  
XLR OUT  
VDE AC socket

548x340x305 mm  
21.57x13.39x12.01 inch  
(HxWxD)

14.2 kg - 31.31 lbs



#### **ART 708-A MK4**

800 watt

**FIRPHASE**

8" Woofer, 2.0" v.c.

1.0", C. Driver 1.0" v.c.

127 dB Max SPL

Jack - XRL IN  
XLR OUT  
VDE AC socket

480x291x276 mm  
18.90x11.46x10.87 inch  
(HxWxD)

10.4 kg - 22.93 lbs



# EVOX

## ACTIVE TWO-WAY ARRAY



EVOX systems are primarily designed for live sound. Extensive testing with instruments and voices during the design process, as well as power and reliability testing, make the EVOX systems the perfect workmates for solo musicians, bands and DJs.

### / CONTROLLED DIRECTIVITY PATTERN

The EVOX array's design features a constant horizontal directivity coverage of 120°, offering a perfect listening experience for the audience. The vertical array design is progressively shaped to guarantee a correct listening from the first row and to avoid a high frequency beaming typical of straight arrays.

### / SUPERB BASS PERFORMANCE

The low frequency section, taking advantage of the floor placement and the accurate port design, offers a tight and full bass response everywhere in the room.

### / RCF TECHNOLOGY

The EVOX range features high technology RCF transducers. The ultra-compact full-range 2" driver is capable of handling extremely high SPL and power. The high excursion woofers extend to the lowest frequencies and offer a quick and precise response up to the crossover point. Particular in-depth attention has been dedicated to the mid-low frequency region where many similar products fail.



#### EVOX 12

1400 watt

**FIRPHASE**

15" Woofer, 3.0" v.c.

8x4.0" Fullrange, 1.0" v.c

130 dB Max SPL

Jack-XRL IN  
XLR OUT  
VDE AC socket

2700(max)x410x560 mm  
106.29x16.14x22.05 inch  
(HxWxD)

36.4 kg-80.24 lbs



#### EVOX 8

1400 watt

**FIRPHASE**

12" Woofer, 2.5" v.c.

8x2" Fullrange, 1.0 v.c.

128 dB max SPL

Jack-XRL IN  
XLR OUT  
VDE AC socket

2270(max)x346x459 mm  
89.37x13.62x18.10 inch  
(HxWxD)

23.8 kg-50.70 lbs



#### EVOX 5

800 watt

**FIRPHASE**

10" Woofer, 2.0" v.c.

5x2" Fullrange, 1.0 v.c.

125 dB max SPL

Jack-XRL IN  
XLR OUT  
VDE AC socket

2060(max)x288x427 mm  
81.10x11.34x16.81 inch  
(HxWxD)

19.2 kg-42.32 lbs

# EVOX J

## ACTIVE TWO-WAY PORTABLE ARRAY MUSIC SYSTEM

### BE AMAZED

The extremely powerful EVOX portable PA systems from RCF altered the landscape of portable PA. RCF takes it one step further with the new EVOX J Series, maintaining a similar footprint to the original EVOX systems, now in a composite enclosure. The EVOX JMIX8 also introduces an 8-input digital mixer to the system. A dedicated app for iOS and Android allows the JMIX8 to be managed from any smartphone. The system offers exemplary sound performance with crystal clear vocal reproduction and unparalleled musical response. This makes the RCF EVOX J Series the smart choice for live entertainment, DJs, parties, club music and corporate events.



### / EVOX APP

The RCF EVOX App allows you to navigate between pages and fully control the JMIX8 mixer's parameters.



### EVOX J8

1400 watt

**FIRPHASE**

12" Woofer, 2.5" v.c.

8x2" Fullrange, 1.0 v.c.

128 dB max SPL

Jack-XRL IN  
XLR OUT  
VDE AC socket

2350(max)x350x450 mm  
92.5x13.77x17.71 inch  
(HxWxD)

23.8 kg-50.70 lbs



### EVOX JMIX8

All the features of J8 plus:

8-Channel Digital Mixer with multiple FX

Bluetooth Audio

Hi-Z Input for Musical Instruments

**Z.CORE DSP FX** Innovative processing

Remote Control via RCF Evox App

Auxiliary Output

2350(max)x350x450 mm  
92.5x13.77x17.71 inch  
(HxWxD)

24.4 kg-53.79 lbs

EVOX JMIX8 onboard digital mixer



# 3

## ART 3<sup>MK4</sup>



### ACTIVE TWO-WAY SPEAKER

The optimum choice for high powered vocal applications, music playback and demanding musicians. ART 3 is a brand-new classic: a re-engineered loudspeaker that preserves the original concept, which dates back to 1996, with cutting edge technology. Power and high quality in a convenient package.

### / HIGH QUALITY TRANSDUCERS

Woofers and compression drivers are precision built taking advantage of RCF's assembly technologies and a wealth of professional knowledge and experience dedicated to achieving extremely high standards.

### / POWERFUL CLASS D AMPLIFIERS

Class-D power amplifier's technology packs huge performance operating with high efficiency into a lightweight solution. The amplifier features a solid mechanical aluminium structure which not only stabilises the amplifier during transportation but helps the fan-less heat dissipation. The integrated DSP manages full loudspeaker processing, FiRPHASE processing, crossover and EQ, soft limiter, and dynamic bass boost.



### / MULTI PURPOSE

Every ART model can be used in the standard or stage monitor configuration. Thanks to the rear profile of the cabinet, the ART 3 Series speakers can easily be used as stage monitors whatever the needs of musicians. Internal reinforcement prevents any deformation of the cabinet.



#### ART 315-A MK4

800 watt

FiRPHASE

15" Woofer, 2.5" v.c.

1.0" C.Driver, 1.5" v.c.

129 dB max SPL

Jack - XRL IN  
XLR OUT  
VDE AC socket

680x405x345 mm  
26.77x15.94x13.58 inch  
(HxWxD)

17.1 kg - 37.7 lbs



#### ART 312-A MK4

800 watt

FiRPHASE

12" Woofer, 2.5" v.c.

1.0" C. Driver, 1.5" v.c.

128 dB Max SPL

Jack - XRL IN  
XLR OUT  
VDE AC socket

680 x405 x345 mm  
26.77x15.94x13.58 inch  
(HxWxD)

16.8 kg - 37.04 lbs



#### ART 310-A MK4

800 watt

FiRPHASE

10" Woofer, 2.0" v.c.

1.0" C.Driver, 1.5" v.c.

127 dB Max SPL

Jack - XRL IN  
XLR OUT  
VDE AC socket

537x337x315 mm  
21.14x13.27x12.4 inch  
(HxWxD)

12.2 kg - 26.9 lbs

# 4PRO ST SERIES

## ACTIVE TWO-WAY SPEAKER

A complete line of concert systems used all over the world and highly appreciated thanks to their quality, flexibility and reliability. The 4PRO Series is the ideal choice when the application requires high performance and simple set-up, perfect for main PA, side fills, night clubs and corporate events. All products can be arranged in several different configurations: stacked, on poles, or flown with simple integrated rigging points on top and bottom.

### / PLYWOOD CABINETS

RCF requires very high standards from our suppliers. Only the best plywood is used to produce RCF loudspeakers, after a rigorous testing procedure in order to ensure a perfect, high-quality and road-proof cabinet.

## ACTIVE STAGE MONITOR

The ST Series is a practical solution for high intelligibility speech and audio applications, covering infill or delay, production studios, presentations and high-power music sound reinforcement, fullrange or coupled to a subwoofer. A key requirement for everyday audio systems is the ability to deliver simple 'plug and go' solutions, without compromising performance and portability.



**4PRO 5031-A**

**4PRO 3031-A**

**4PRO 2031-A**

**4PRO 1031-A**

**ST 15-SMA**

**ST 12-SMA**

|  |   |   |   |   |  |
|--|---|---|---|---|--|
| 1200 watt  | 1200 watt   | 1200 watt   | 800 watt  | 1200 watt   | 800 watt   |
| 2 x 15" Woofer, 2.5" v.c.                            | 15" Woofer, 2.5" v.c.                               | 12" Woofer, 2.5" v.c.                               | 10" Woofer, 2" v.c.                                 | 15" Woofer, 2.5" v.c.                               | 12" Woofer, 2.5" v.c.                              |
| 1.0" C.Driver, 1.7" v.c.                             | 1.0" C.Driver, 1.7" v.c.                            | 1.0" C.Driver, 1.7" v.c.                            | 1.0" C.Driver, 1.4" v.c.                            | 1.0" C. Driver, 1.4" v.c.                           | 1.0" C.Driver, 1.4" v.c.                           |
| 132 dB Max SPL                                       | 130 dB Max SPL                                      | 129 dB Max SPL                                      | 127 dB Max SPL                                      | 131 dB Max SPL                                      | 129 dB max SPL                                     |
| Combo Jack-XLR IN<br>XLR OUT<br>VDE AC socket        | Combo Jack-XLR IN<br>XLR OUT<br>VDE AC socket       | Combo Jack-XLR IN<br>XLR OUT<br>VDE AC socket       | Combo Jack-XL IN<br>XLR OUT<br>VDE AC socket        | Jack-XLR IN<br>XLR OUT<br>VDE AC socket             | Jack-XLR IN<br>XLR OUT<br>VDE AC socket            |
| 1094x430x430 mm<br>43.07x16.92x16.92 inch<br>(HxWxD) | 708x430x430 mm<br>27.87x16.92x16.92 inch<br>(HxWxD) | 627x380x380 mm<br>24.68x14.96x14.96 inch<br>(HxWxD) | 539x320x320 mm<br>21.22x12.59x12.59 inch<br>(HxWxD) | 362x673x473 mm<br>14.25x26.49x18.62 inch<br>(HxWxD) | 318x594x400mm<br>12.51x23.38x15.74 inch<br>(HxWxD) |
| 39.7 kg-87.52 lbs                                    | 27.5 kg-60.62 lbs                                   | 22.2 kg-48.94 lbs                                   | 16.7 kg-36.81 lbs                                   | 20.7 kg-45.63 lbs                                   | 18 kg-39.68 lbs                                    |

# D LINE MK4



## ACTIVE TWO-WAY SPEAKER

The concept of this unique speaker derives from the touring industry, bringing in a compact cabinet all the experience of RCF professional sound. The vocals are natural, the sound is clear at longer distances, the SPL power is stable at very high levels. Perfect as a main front of house in small PA systems, high powered monitoring and unobtrusive fixed installation.



### / ACCURATE DESIGN

The new cabinet shape will allow every D-LINE model to be used in the standard configuration as well as in stage monitor mode. The optional mounting hardware makes it perfect for use in mounted or flown situations.

### / POWERFUL DIGITAL AMPLIFIERS

RCF's Class-D power amplifier technology packs huge performance operating with high efficiency into a lightweight solution. D-Line amplifiers deliver ultra-fast attack, realistic transient response and impressive audio performance and reliability. All the D-LINE amplifiers present SMPS power supply section in order to produce maximum output and minimum transportation weight.

### / SUPERIOR COMPRESSION DRIVERS

The ND840 Compression Driver in pure Titanium with a 3" voice coil allows a crossover point at only 800 Hz. This allows a better impulse response, fast decay and superior efficiency. Lightweight and powerful, RCF neodymium drivers are a reference in performance and reliability.



#### HD 32-A MK4

1400 watt

**FIRPHASE**

12" Woofer, 2.5" v.c.

1.4"C. Driver, 3.0"v.c.

131 dB Max SPL

Jack - XLR IN  
XLR OUT  
Powercon IN-OUT AC

647x380x380 mm  
25.47x14.96x14.96 inch  
(HxWxD)

18.8 kg-41.44 lbs

#### HD 12-A MK4

1400 watt

**FIRPHASE**

12" Woofer, 2.5" v.c.

1.0" C. Driver, 1.5" v.c.

130 dB Max SPL

Jack - XLR IN  
XLR OUT  
VDE AC socket

647x380x380 mm  
25.47x14.9x14.9 inch  
(HxWxD)

17.4 kg-38.36 lbs

#### HD 10-A MK4

800 watt

**FIRPHASE**

10" Woofer, 2.0" v.c.

1.0"C. Driver, 1" v.c.

128 dB Max SPL

Jack - XLR IN  
XLR OUT  
VDE AC socket

527x303x302.5 mm  
20.7x11.9x11.9 inch  
(HxWxD)

11.8 kg-26 lbs



# New perspective on linearity



## FIRPHASE

RCF speakers are designed using a proprietary and advanced FIR filtering technology, conceived to deliver transparent sound, absolute clarity and perfect stereo images to the listener. The special FIRPHASE filters allow to achieve coherent distribution of sound for all listeners without phase distortions, ensuring minimum latencies to the system.

## PHASE MATTERS

The design of the FIR filter for this specific purpose should start from an accurate measurement of the loudspeaker phase. FIRPHASE algorithm use this measurement and adapt the loudspeaker's phase without touching the amplitude equalization. The heart of the advanced technique used by FIRPHASE is a recursive method (least squares method) combined with a proprietary algorithm that calculates the best FIR filter coefficients set in according to amplitude and phase constrains. The algorithm corrects phase and amplitude (if necessary) by taking into account the weak points of the transducers and the resonances or cancellations due to the cabinet of the loudspeaker. This technique allows a deep control of phase at mid-low frequency with relatively small filters, reaching a higher resolution than that one as theory suggests.



# SUB SERIES

## ACTIVE SUBWOOFER

The low-frequency complement for the RCF Professional speakers. Featuring strong Baltic birch construction, high-quality mechanics, superior acoustic design and premium RCF Precision Transducers, the SUB Series brings the legendary RCF low-frequency efficiency and power to your sound system.

Subwoofers are specialized in reproducing low-pitched audio frequencies. This type of loudspeaker is widely used in sound reinforcement systems in night clubs, concert venues, and all applications where a "deep punch" is needed.

### / CABINET & MECHANICS

The RCF cabinets are made of the best multi-ply hardwood coated with a textured black finish. The subs are stackable and light-weight, for easy set-up and tear down, thanks to the ergonomic handles. A pole receptacle on top and side allows the use of the box in various configurations. The powder coated front grille integrates a special transparent-to-sound foam backing on the inside to further protect the transducers from dust.



### SUB 8003-AS II AND SUB 905-AS II: FULL FEATURED INPUT BOARD

These subwoofers can be configured from the rear panel, that features a full set of commands:

- PRESET
- VOLUME
- TIME
- OUT SIGNAL, LINE / HIGH PASS



**SUB 8003-AS II**



**SUB 8003-AS II**

2200 watt

18" Woofer, 4.0" v.c.

135 dB Max SPL

Stereo XLR IN  
Stereo XLR OUT  
Powercon IN-OUT AC

694x523x700 mm  
27.32x20.59x27.56 inch  
(HxWxD)

43.5 kg - 95.90 lbs



**SUB 905-AS II**

2200 watt

15" Woofer, 3.0" v.c.

133 dB Max SPL

Stereo XLR IN  
Stereo XLR OUT  
Powercon IN-OUT AC

600x445x610 mm  
23.62x17.52x24.02 inch  
(HxWxD)

31 kg - 68.34 lbs

“ *the right punch* ”



**SUB 708, 705, 702:  
EASY CONTROL**

These subwoofers can be configured from the rear panel, that features a full set of commands:

- X-OVER PRESET 80Hz/120Hz
- POLARITY INVERSION
- DELAY
- OUT SIGNAL, LINE / HIGH PASS

**/ THE TRANSDUCERS INNOVATORS**

RCF specialises in developing advanced transducer technology including the application of high-tech materials such as Neodymium, Carbon Fiber, Pure Titanium, Kevlar, Kapton and Mylar hybrids. With over 60 years of design and manufacturing experience in the market, RCF has been instrumental in technological inventions such as carbon fiber cone molding, double silicon spiders, inside/outside voice coil windings to edge wound voice coil manufacturing and pure titanium diaphragm forming. Our latest developments have resulted in designing state of the art neodymium magnetic circuits, radically new voice coil ventilation systems and ground breaking direct drive voice coil assemblies.



**/ LEGENDARY SUBWOOFERS**

RCF subwoofers are the first choice of many sound engineers, thanks to the very high SPL levels at very low frequencies, small dimensions compared to the competitors, self- powered design, internal delay control, cardioid configuration options and impressive size/weight to SPL output ratio. Your crowd will be able to live an engaging immersive experience.



**SUB 708-AS II**

1400 watt

18" Woofer, 3.0" v.c.

133 dB Max SPL

Stereo XLR IN  
Stereo XLR OUT  
VDE AC socket

665 x 505 x 700 mm  
26.18x19.88x27.56 inch  
(HxWxD)

38.0 kg - 83.70 lbs



**SUB 705-AS II**

1400 watt

15" Woofer, 3.0" v.c.

131 dB Max SPL

Stereo XLR IN  
Stereo XLR OUT  
VDE AC socket

568x430x595 mm  
22.36x16.93x23.43 inch  
(HxWxD)

28.0 kg - 50.70 lbs



**SUB 702-AS II**

1400 watt

12" Woofer, 2.5" v.c.

129 dB Max SPL

Stereo XLR IN  
Stereo XLR OUT  
VDE AC socket

487x354x498 mm  
19.17x13.94x19.61 inch  
(HxWxD)

17.5 kg - 38.58 lbs



**SUB 702-AS II**



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