

NEW PRODUCTS 2024



RCF Sound Culture

AT RCF WE CARE ABOUT YOUR SOUND

For 75 years, RCF has pushed the boundaries of audio innovation. Founded in 1949 by a group of passionate engineers, RCF's heritage is rooted in a relentless pursuit of superior sound quality and technological advancement.

RCF's fully integrated approach leads the way in the professional audio industry today. With R&D, manufacturing, and distribution all under one roof in Reggio Emilia, Italy, RCF can rapidly turn ideas into market-ready solutions. This vertical integration model gives an unparalleled competitive edge in quality, reliability, and value.

NEW PRODUCTS 2024

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NXL 14-A

NXL modular line-source active speaker systems are specifically designed for rental companies, professional DJs, and musicians but also intended for permanent installation. Their sleek and innovative design commands an incredible size-to-power ratio, featuring powerful amplifiers, full onboard DSP, and a complete set of rigging accessories.

LINE ARRAY PERFORMANCE AND COVERAGE

Small in size but mighty in sound, the new NXL 14-A is the smallest speaker of the NXL Active Column Speaker Series, featuring two 6" woofers, a 1.75" PKX driver mounted on a rotatable TRW waveguide powered by a 2100W amplifier. Available in black or white color, this versatile speaker can pack serious power in a very compact cabinet. Perfect for portable column systems with a SUB Series subwoofer, ideal in immersive applications or as an unobtrusive fill speaker.

ENGAGE YOUR AUDIENCE

Based on RCF precision transducers and wooden cabinets, the NXL Series is the RCF's most flexible active speaker system when the need for deploying high-power and pristine sound for live events is required. With its streamlined design and small footprint, the NXL Series provides a powerful sound system when the space for speakers is limited

PROFESSIONAL ACTIVE COLUMN SPEAKERS

- 128 dB max Sound Pressure Level
- 2100W Class-D Bi-Amplification
- 70-20000 Hz linear frequency range
- 1.75" PKX Compression Driver
- 2 x 6" High Power Woofers
- Rotatable 100x70 TRW Waveguide
- FIRPHASE and Bass Motion Control
- Available in full black or white





ALL IN ONE SOLUTION

Designed as the ideal sound system for the day-to-day live event, the NXL Series packs a variety of features for professional users. With the best size to power ratio in its class, advanced DSP, and equipped with multiple rigging points, the NXL Series is a solid and reliable choice. RCF products represent the 75-year commitment to excellence in manufacturing, precise and careful assembly, and extensive quality control procedures



FEATURES

	NXL 14-A
Acoustical specifications	
Frequency Response:	70 Hz ÷ 20000 kHz
Max SPL @ 1m:	128 dB
Horizontal coverage angle	100°
Vertical coverage angle:	70°
Transducers	
Compression Driver:	1 x 1.0" neo, 1.75" v.c
Woofer:	2 x 6.0" neo, 2.0" v.c
Input/Output section	
Input signal:	bal/unbal
Input connectors:	Combo XLR/Jack
Output connectors:	XLR
Input sensitivity:	-2 dBu/+4 dBu
Processor section	
Crossover Frequencies:	1200 Hz
Protections:	Excurs.
Limiter:	Fast Limiter
Controls:	Bypass, Linear/High Pass, Volume, RDnet on board
Power section	
Total Power:	2100 W Peak
High frequencies:	700 W Peak
Low frequencies:	1400 W Peak
Cooling:	Convection
Connections:	Powercon TRUE1 TOP IN/OUT
Standard compliance	
CE marking:	Yes
Physical specifications	
Hardware:	2x M10 TOP AND BOTTOM 2X PIN D.10
Handles:	2 TOP AND BOTTOM
Color:	Black, White
Size	
Height:	567 mm / 22.32 inches
Width:	196.7 mm / 7.74 inches
Depth:	271 mm / 10.67 inches
Part Number	
220-240 V Black	13000888
100-120 V Black	13000892
220-250 V White	13000891
100-120 V White	13000893

NX 945-A & NX 932-A

Remarkable audio performance and touring-ready versatility for solo musicians, bands, and DJs. The new bi-amplified 2100W electroacoustic design combined with RCF Precision Transducers provides impressive sound pressure levels, also when used in open-air applications and at long distances, with unbeatable sound quality.

TOUR-PROVEN WORKHORSE

NX 9 can operate as either the main system or as a floor monitor. The rugged all-wood cabinet is easy to carry with handles on both sides. The lower side includes a steel pole socket for mounting on a stand or a subwoofer pole. Each model can also be flown, wall- or truss-mounted using the six included M10 rigging points, Quick Lock pins, and special accessories.

PROFESSIONAL ACTIVE SPEAKERS

- Up to 135 dB Sound Pressure Level
- 2100W Class-D Bi-Amplification
- FIRPHASE zero degrees phase technology
- Bass Motion Control woofer excursion management
- Six M10 and four Quick Lock rigging points

READY FOR HEAVY-DUTY APPLICATIONS

The speaker features True Outdoor Protection (TOP) PowerCON TRUE1 power input connectors. These ruggedized sealed connectors feature IP protection and UV resistance approved according to UL50E.

ADVANCED DSP

Traditional high-pass filters protect the woofer from over-excursion but change the phase/frequency response. In contrast, the new BMC algorithm protects the woofer allowing total freedom of signal reproduction. In combination with FIRPHASE technology, the NX 9 series has a level of DSP audio performance never achieved in this range of speakers.





FEATURES

	NX 945-A	NX 932-A
Acoustical specifications		
Frequency Response (-10dB):	45 Hz ÷ 20000 Hz	45 Hz ÷ 20000 Hz
Max SPL @ 1m:	135 dB	132 dB
Horizontal coverage angle:	100°	100°
Vertical coverage angle:	70°	70°
Transducers		
Compression Driver:	1 x 1.4" neo, 4.0" v.c	1 x 1.4" neo, 3.0" v.c
Woofer:	15" neo, 3.5" v.c	12", 2.5" v.c
Input/Output section		
Input signal:	bal/unbal	bal/unbal
Input connectors:	Combo XLR/Jack	Combo XLR/Jack
Output connectors:	XLR	XLR
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Power section		
Total Power:	2100 W Peak	2100 W Peak
High frequencies:	700 W Peak	700 W Peak
Low frequencies:	1400 W Peak	1400 W Peak
Cooling	Convection	Convection
Connections:	Powercon TRUE1 TOP IN/ OUT	Powercon TRUE1 TOP IN/ OUT
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Plywood	Plywood
Hardware:	2 x M10 Top, 1 x M10 each side, 1 x M10 bottom, 1 x M10 rear 2 each side quick lock pin seat	
Handles:	1 x side	1 x side
Pole mount/Cap:	Yes	Yes
Grille:	Steel	Steel
Color:	Black, White	Black, White
Size		
Height:	705 mm / 27.76 inches	620 mm / 24.41 inches
Width:	420 mm / 16.54 inches	362 mm / 14.25 inches
Depth:	451 mm / 17.76 inches	405 mm / 15.94 inches
Weight:	27.3 kg / 60.19 lbs	22.9 kg / 50.49 lbs
Part Number		
100-120V, White	13000875	13000873
220-240V, White	13000876	13000874
100-120V, Black	13000769	13000767
220-240V, Black	13000768	13000766

ACCESSORIES

STACKING

PM-KIT M20 | 13360067

Adjustable pole for subwoofer.

AC PMX | 13360232

Speaker pole mount with pushbutton system and hand crank to avoid uncontrolled reverse motion. Locking screw provides additional safety.

AC PRO-FS | 13360109

Steel speaker floor stand with folding base and telescopic rod. Tube diameter 35mm. Load capacity up to 50kg.

AC PRO-PM | 13360110

Steel speaker pole mount with telescopic rod, tube diameter 35mm. Height adjustment using a non-scratching locking screw and safety pin. Moveable plastic splints separate the speaker from the stand creating a vibration-free connection. Easy to use ring lock.

RIGGING

H-BR 2X COMPACT C 45 | 13360493

Pair of horizontal brackets for NX 915-A speakers wall mounting.

2X PLATE H-BR NX 910-912-915 | 13360506

This accessory is required when using the following horizontal wall mounting brackets with NX series speakers: H-BR 2X COMPACT C 45 with NX 945-A speakers.

V-BR NX 45 | 13360398

Horizontal bracket for mounting a NX 945-A on the wall.

V-BR TT 22 II | 13360328

Horizontal bracket for mounting a NX 932-A on the wall.

AC EB 4X | 13360031

kit including 4 pcs M10 eye bolts.

COVERS

CVR NX 915 | 13360497

Padded Cover for NX 945-A.

CVR NX 912 | 13360496

Padded Cover for NX 932-A.

PROTECTION

RP 001 | 13360515

2 x Rain Cover for input amplifier protection

ART 7 MK5 SERIES

Thirty years ago, we began our journey to bring music to the masses through portable sound. Our goal was simple yet ambitious: to design lightweight active speakers that were not just portable but also delivered audio quality once limited to bulky, heavy speakers.

THE NEW STANDARD IN ITS CLASS

Our most celebrated creation, the 7 Series ART, has since evolved through five generations. Now, we proudly unveil its latest refinement: building upon its predecessors' legacy, ART 7 MK5 further elevates the listener's experience, with improved transducers, less distortion, enhanced DSP, and new functionalities.

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.

ACTIVE TWO-WAY SPEAKERS

- **Redesigned Firmware**
Newly tuned presets and settings that take full advantage of the XBOOST algorithm for optimal sound at any volume.
- **Kapton Diaphragms**
ART 708-A MK5 to ART 715-A MK5 models feature new compression drivers with Kapton diaphragms for increased definition, strength, and thermal resistance.
- **XBoost Low-Frequency Enhancer**
XBoost increases the depth and richness of ART low frequencies by simply enabling the function from the speaker's rear panel.





SUPERIOR TRANSDUCERS

Lightweight and powerful, RCF drivers are a true reference for high performance. All transducers are designed by RCF engineers in Italy for maximum reliability and perfectly matched components.



POLYIMIDE KAPTON® DOME

10X More Durable. Kapton® maintains its unique combination of mechanical properties under the harshest of conditions.



PURE TITANIUM DOME

Reference in Performance. High corrosion and fatigue resistance, high tensile strength to density ratio, high crack resistance, and ability to withstand high temperatures.



NEODYMIUM HIGH FLUX MAGNETS

Lightweight Transducers. Neodymium magnets are the strongest permanent magnets known, lightweight and extremely powerful in comparison with Ferrite magnets.



ART 7 MK5 SERIES

The sturdy, ergonomic cabinet is easy to carry, thanks to either the handle at the top or the practical handles on both sides. The base of each speaker includes a steel pole socket for mounting on a stand or on a subwoofer pole. Stability and safety are assured. The rear of the cabinet is shaped to also be used as a floor monitor. Internal reinforcement prevents any deformation of the cabinet.



FEATURES

	ART 745-A MK5	ART 735-A MK5	ART 715-A MK5	ART 732-A MK5	ART 712-A MK5
Acoustical specifications					
Frequency Response:	45 Hz ÷ 20000 Hz	45 Hz ÷ 20 kHz	45 Hz ÷ 20 kHz	50 Hz ÷ 20 kHz	50 Hz ÷ 20 kHz
Max SPL @ 1m:	133 dB	132 dB	130 dB	131 dB	129 dB
Horizontal coverage angle	90°	90°	90°	90°	90°
Vertical coverage angle:	60°	60°	60°	60°	60°
Transducers					
Compression Driver:	1" neo, 4.0" v.c	1" neo, 3" v.c.	1", 1.75" v.c.	1" neo, 3" v.c.	1", 1.75" v.c.
Woofer:	15" neo, 3.5" v.c	15", 3.0" v.c.	15", 2.5" v.c.	12", 2.5" v.c.	12", 2.5" v.c.
Input/Output section					
Input signal:	bal/unbal	bal/unbal	bal/unbal	bal/unbal	bal/unbal
Input connectors:	XLR, Jack	XLR, Jack	XLR, Jack	XLR, Jack	XLR, Jack
Output connectors:	XLR	XLR	XLR	XLR	XLR
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Mic. Input Sensitivity:	-32 dBu	-32 dBu	-32 dBu	-32 dBu	-32 dBu
Processor section					
Crossover Frequencies:	650	800 Hz	1600 Hz	700 Hz	1600 Hz
Protections:	Thermal, RMS	Thermal, RMS	Thermal, RMS	Thermal, RMS	Thermal, RMS
Limiter:	Soft Limiter	Soft Limiter	Soft Limiter	Soft Limiter	Soft Limiter
Controls:	Volume,Boost,MIC/Line	Volume,Boost,MIC/Line	Volume,Boost,MIC/Line	Volume,Boost,MIC/Line	Volume,Boost,MIC/Line
Power section					
Total Power:	1400 W Peak	1400 W Peak	1400 W Peak	1400 W Peak	1400 W Peak
High frequencies:	400 W Peak	400 W Peak	400 W Peak	400 W Peak	400 W Peak
Low frequencies:	1000 W Peak	1000 W Peak	1000 W Peak	1000 W Peak	1000 W Peak
Cooling:	Convection	Convection	Convection	Convection	Convection
Connections:	VDE	VDE	VDE	VDE	VDE
RCF Technology					
FIRPHASE	Yes	Yes	Yes	Yes	Yes
XBOOST	Yes	Yes	Yes	Yes	Yes
Standard compliance					
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications					
Cabinet/Case Material:	PP Composite	PP Composite	PP Composite	PP Composite	PP Composite
Hardware:	2 x M10	2 x M10	2 x M10	2 x M10	2 x M10
Handles:	1 on top, 1 each side	1 on top, 1 each side	1 on top, 1 each side	1 on top, 1 each side	1 on top, 1 each side
Pole mount/Cap:	Yes	Yes	Yes	Yes	Yes
Grille:	Steel	Steel	Steel	Steel	Steel
Color:	Black	Black	Black	Black	Black
Size					
Height:	708 mm / 27.87"	708 mm / 27.87"	708 mm / 27.87"	637 mm / 25.08"	637 mm / 25.08"
Width:	437 mm / 17.2"	437 mm / 17.2"	437 mm / 17.2"	387 mm / 15.24"	387 mm / 15.24"
Depth:	389 mm / 15.31"	389 mm / 15.31"	389 mm / 15.31"	363 mm / 14.29"	363 mm / 14.29"
Weight:	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
Part Number					
220-240 V	13000827	13000826	13000824	13000825	13000823
100-120 V	13000858	13000857	13000855	13000856	13000854



ART 710-A MK5

ART 708-A MK5

50 Hz ÷ 20 kHz	60 Hz ÷ 20000 Hz
129 dB	128 dB
90°	90°
70°	70°
1", 1.75" v.c.	1", 1.4" v.c.
10", 2.5" v.c.	8", 2" v.c.
bal/unbal	bal/unbal
XLR, Jack	XLR, Jack
XLR	XLR
-2 dBu/+4 dBu	-2 dBu/+4 dBu
-32 dBu	-32 dBu
1600 Hz	1600 Hz
Thermal, RMS	Thermal, RMS
Soft Limiter	Soft Limiter
Volume,Boost,MIC/Line	Volume,Boost,MIC/Line
1400 W Peak	1400 W Peak
400 W Peak	400 W Peak
1000 W Peak	1000 W Peak
Convection	Convection
VDE	VDE
Yes	Yes
Yes	Yes
CE compliant	CE compliant
PP Composite	PP Composite
2 x M10	2 x M10
1 on top	1 on top
Yes	Yes
Steel	Steel
Black	Black
548 mm / 21.57"	480 mm / 18.9"
340 mm / 13.39"	291 mm / 11.46"
305 mm / 12.01"	276 mm / 10.87"
14.2 kg / 31.31 lbs	10.4 kg / 22.93 lbs
13000822	13000821
13000853	13000852

ACCESSORIES

STACKING

PM-KIT M20 | 13360067

Adjustable pole for subwoofer.

AC PMX | 13360232

Speaker pole mount with pushbutton system and hand crank to avoid uncontrolled reverse motion. Locking screw provides additional safety.

AC PRO-FS | 13360109

Steel speaker floor stand with folding base and telescopic rod. Tube diameter 35mm. Load capacity up to 50kg.

AC PRO-PM | 13360110

Steel speaker pole mount with telescopic rod, tube diameter 35mm. Height adjustment using a non-scratching locking screw and safety pin. Moveable plastic splints separate the speaker from the stand creating a vibration-free connection. Easy to use ring lock.

RIGGING

H-BR 2X ART 715 | 13360105

Horizontal bracket for mounting an ART 745-A MK5, ART 735-A MK5 and ART 715-A MK5 on the wall.

H-BR 2X ART 712 | 13360104

Horizontal bracket for mounting an ART 732-A MK5 and ART 712-A MK5 on the wall.

H-BR 2X ART 710 | 13360103

Horizontal bracket for mounting an ART 710-A MK5 on the wall.

H-BR 2X ART 708 | 13360164

Horizontal bracket for wall mounting ART 708-A MK5.

COVERS

CVR ART 725 | 13360115

Protection cover for ART 745-A MK5, ART 735-A MK5 and ART 715-A MK5.

CVR ART 722 | 13360114

Protection cover for ART 732-A MK5 and ART 712-A MK5.

CVR ART 710 | 13360113

Protection cover for ART 710-A MK5.

CVR ART 708 | 13360166

Protection cover for ART 708-A MK5.

SUB AX SERIES

Get complete control over your sound from the subwoofer. SUB AX Series subwoofers are revolutionary low-frequency extensions that also put you in control of your sound system. With a fully featured DSP and remote control, SUB AX centralizes speaker management and features professional digital tools for tuning and optimization. Our AX subwoofers inherit the powerful DSP inside our ART AX speakers to establish a new approach to sound system control and transform your system into a fully featured professional sound system.

REMARKABLE VERSATILITY

SUB AX is the ideal complement for 10", 12" or 15" woofer-size loudspeakers; it centralizes speaker management inside the subwoofer, providing dual crossovers, 8-band EQs, routing, delays, cardioid

configurations, and recallable crossover presets. The rugged all-wood cabinet with scratch-resistant polyurea coating makes it durable, easy to carry and install securely.

■ DIGITAL CROSSOVER

Presets for RCF speakers (ART 9, ART 7, HD, NX, NXL)
4 Editable Presets + 4 from the App
Extended FIRPHASE with Crossover Phase Alignment

■ LARGE TOUCH DISPLAY

2.4-inch Color Touch Panel
Rotary Push Encoder
Swipe Gesture for Fast Navigation

■ FULLY FEATURED DSP FOR YOUR SYSTEM

Eight Recallable Snapshots
Fullrange Parametric 8 Band EQ
Up to 45 meters delay

■ PRECISION TUNING

Top/Sub alignment (meters/feet/ms)
High Pass Filter (OFF/35Hz/45Hz)
Cardioid Function and L/R Balance for 2.1 systems



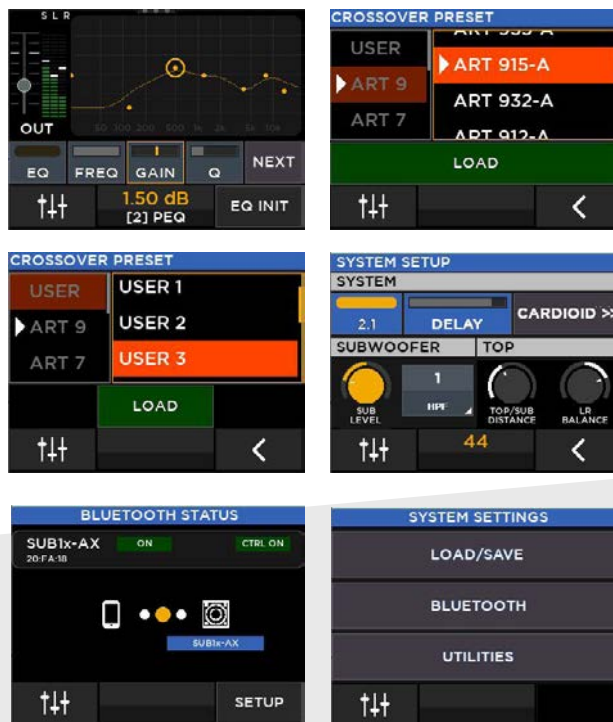


YOUR SUB AS YOUR HUB

With internal ready-to-use crossover presets for RCF speakers, your sound system is perfectly aligned and ready for the show in a few steps. Simply connect your satellite speakers to the SUB AX, select the crossover preset on the menu, and you are ready to play. The SUB AX Series subwoofers have TRS or XLR combo inputs, so you can connect them to a variety of sources.

COLOR TOUCH SCREEN

The SUB AX Series subwoofers have a large 2.4-inch color touch panel that enables full control of all DSP features. The panel also features a push encoder and swipe gesture for fast navigation. A flexible crossover section offers several presets for an optimal match with other RCF speakers; an advanced system section, with an 8-band equalizer and a delay up to 45 m, allow full system control, individually or paired with another subwoofer. Both 2.1 and 1.1 configurations are possible.



SUB AX SERIES

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.



LIVEREMOTE CONTROL APP

Whether you're a musician, DJ, or pro sound engineer, RCF LiveRemote App extends its reach: the same app is available for both ART 9 AX and SUB AX families. On the subs, crossover preset selection, system EQ and delay adjustments and crossover individual settings are quickly accessible; furthermore, two subwoofer units can be paired for 2.2 operation. Available for Android and iOS phones and tablets.

A LIVE EXPERIENCE IN YOUR POCKET

With the RCF LiveRemote app, you can control up to 8 AX devices via Bluetooth® simultaneously from your smartphone or tablet. The app makes it easy to adjust internal routing, save and recall presets. You can also use the app to control your entire sound system, with advanced functions and a fully featured 8-band EQ. The app is available for Android and iOS phones and tablets.



ACTIVE BLUETOOTH® SUBWOOFERS

- 2200 Watt Class-D Amplifier
- Up to 135 dB MAX SPL
- Digital Crossover w/ Speaker Presets
- Bass Motion Control woofer excursion management
- Multi-ply hardwood polyurea coated
- LiveRemote App for remote control via Bluetooth
- Dual XLR/TRS combo Input + Link; Dual XLR Xover Out
- Powercon True1 Top Sealed AC Connector





FEATURES

	SUB 18-AX	SUB 15-AX
Acoustical specifications		
Frequency Response:	35 Hz ÷ 120 Hz	35 Hz ÷ 120 Hz
Max SPL @ 1m:	135 dB	133 dB
Transducers		
Woofers:	18", 4.0" v.c.	15", 3.0" v.c.
Input/Output section		
Input signal:	bal/unbal	bal/unbal
Input connectors:	Combo XLR/Jack	Combo XLR/Jack
Output connectors:	XLR	XLR
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Processor section		
Crossover Frequencies:	Digital Crossover	Digital Crossover
Protections:	Thermal	Thermal
Limiter:	Soft Limiter	Soft Limiter
Controls:	Encoder for Volume control and data entry. Touch Screen for parameter management and monitor.	
Power section		
Total Power:	2200 W Peak	2200 W Peak
Low frequencies:	2200 W Peak	2200 W Peak
Cooling:	Convection	Convection
Connections:	Powercon TRUE1 TOP IN/OUT	Powercon TRUE1 TOP IN/OUT
RCF Technology		
BASS MOTION CONTROL	Yes	Yes
Standard compliance		
Safety agency:	CE Compliant	CE Compliant
Physical specifications		
Cabinet/Case Material:	Plywood	Plywood
Handles:	One handle per side	One handle per side
Pole mount/Cap:	Yes	Yes
Grille:	Steel with clothing	Steel with clothing
Color:	Black, White	Black, White
Size		
Height:	693 mm / 27.28 inches	590 mm / 23.23 inches
Width:	505 mm / 19.88 inches	420 mm / 16.54 inches
Depth:	685 mm / 26.97 inches	590 mm / 23.23 inches
Weight:	37.6 kg / 82.89 lbs	26 kg / 57.32 lbs
Part Number		
220-240 V Black	13000836	13000835
100-120 V Black	13000834	13000832
220-250 V White	13000880	13000878
100-120 V White	13000879	13000877

ACCESSORIES

STACKING

PM-KIT M20 | 13360067

Adjustable pole for subwoofer.

AC PRO-PM | 13360110

Steel speaker pole mount with telescopic rod, tube diameter 35mm. Height adjustment using a non-scratching locking screw and safety pin. Moveable plastic splints separate the speaker from the stand creating a vibration-free connection. Easy to use ring lock.

TRANSPORTATION

WH PRO 4X | 13360238

Kit no 4 swivel castor, 100mm / 4" Ø wheel with roller bearings

COVERS

CVR 003 | 13360530

Padded Cover for SUB 18-AX.

CVR 004 | 13360529

Padded Cover for SUB 15-AX.

S 29 & S 19

Elegant design aesthetic, extreme power and RCF signature sound quality that allows to deliver a supreme audio experience in any fixed installation, from theaters and live clubs to big auditoriums, sports spaces and venues.

ADVANCED TRANSDUCER TECHNOLOGY

S subwoofers incorporate the latest transducer technology from our labs. The 19-inch cone size is the ideal balance between the traditional high-speed 18" and the slower 21" and inherits the best characteristics of the two sizes. Employing lightweight aluminum core coils, high-damping cellulose cone material, composite spiders and a 4-layer inside-outside voice coil, the ultra-long excursion moving mass (65mm/2.5" safe peak-to-peak) gains high power with fast acceleration. Despite their small and lightweight footprints, S 8029 and S 8019 produce powerful yet articulate bass, remaining true to even the most subtle low-frequency variations.

OPTIMAL SOUND PERFORMANCE

S 8029 and S 8019 are high-power subwoofers, mainly suitable for RCF-installed sound systems. The bass-reflex design ensures an efficient acoustic response down to 25 Hz. The high-quality plywood cabinet is finished with a black, heavy-duty polyurea coating and protected by a powder-coated metal grille. The recessed input panel features two Speakon NL4 connectors, allowing a quick and safe connection. A M20 pole mount adaptor on top and handles on both sides are provided. Both models can be ground-stacked and are cardioid-arrayable for improved rear rejection.

HIGH-POWER SUBWOOFERS

- Up to 3000 W power handling
- 143 dB max SPL
- 25 ÷ 200 Hz frequency range
- 19" high-power neodymium woofer with 4" v.c.
- High quality plywood cabinet
- Steel front grille with clothing
- M20 standard pole mount in top section of cabinet
- Speakon NL4 connectors





FEATURES

	S 29	S 19
Acoustical specifications		
Frequency Response (-10dB):	25 Hz ÷ 200 Hz	30 Hz ÷ 200 Hz
Max SPL @ 1m:	143 dB	139 dB
Transducers		
Woofers:	2 x 19" neo, 4.0" v.c	19" neo, 4.0" v.c
Input/Output section		
Input connectors:	Speakon® NL4	Speakon® NL4
Output connectors:	Speakon® NL4	Speakon® NL4
Power section		
Amplification:	Full Range	Full Range
Nominal Impedance:	4 ohm	8 ohm
Power Handling:	3000 W	1500 W
Peak Power Handling:	12000 W PEAK	6000 W PEAK
Recommended Amplifier:	6000 W	3000 W
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Plywood	Plywood
Hardware:		
Handles:	2 side	2 side
Pole mount/Cap:	Yes	Yes
Grille:	Steel with clothing	Steel with clothing
Color:	Black	Black
Size		
Height:	534 mm / 21.02 inches	534 mm / 21.02 inches
Width:	1300 mm / 51.18 inches	650 mm / 25.59 inches
Depth:	730 mm / 28.74 inches	730 mm / 28.74 inches
Weight:	90 kg / 198.42 lbs	46 kg / 101.41 lbs
Part Number	13100097	13100096

LN WOOFERS

LN woofer range utilizes high-flux neodymium magnets, and our newer models offer optimized frequency response curves, enhanced power handling, increased excursion, and improved heat dissipation.

PRECISION EXPERTS

RCF is a leader in the development of high-power transducers for the professional audio market, with 75 years of experience refining every aspect of sound reproduction. Our cone transducers are the result of extensive research in material science, design topology, and power testing, to reduce distortion, enhance acceleration factor and withstand extreme driving power for extended usage while maintaining performance. Designed using advanced simulations and real-life tests, including a 200-hour continuous musical signal to stress the transducer at extreme levels, our LN series can deliver up to 55% more acoustic energy with less distortion than previous models.

TECHNOLOGIES

The motor structure features a 4-layer inside-outside voice coil with fiberglass former material, enabling ultra-long excursion moving mass while maintaining high power and fast acceleration capabilities. Ultralight CCAW (copper-clad aluminum wire) voice coil reduces the moving mass weight. High-performance neodymium magnets help mitigate harmonic and intermodulation distortions while improving transient response.

- Double polycotton-polyurethane spiders
- Improved HyperVented design
- Reduced mechanical noise - low ringing
- Ultralightweight, high-stiffness moving mass
- Special fiber cone doping and treatment

PERFECT BALANCE

Breaking free from the restraints of convention, our new 19" subwoofer features extremely fast acceleration boasting up to 67 mm (safe peak-to-peak) cone excursion, providing the speed performance of a 15" woofer with the power of a 21" woofer.

MATERIALS

The high-damping cellulose cone material, double polycotton-polyurethane spiders that provide excellent stability and control over the moving mass, and a large heavy-gauge treated triple cloth surround further contribute to the remarkable strength and excellent excursion control of these woofers. Finally, the water-repellent treatment makes the system suitable for use in various environments.

- High-energy neodymium magnet assembly
- Ultralight 4 layers in/out aluminum voice coil windings
- Designed to perform extreme excursion
- Water repellent treatment



FEATURES



LN19S450



LN19S400



LN16S400

General specifications

Nominal Diameter:	19 inch / 483 mm	19 inch / 483 mm	16 inch / 406 mm
Rated Impedance:	8 ohm	8 ohm	8 ohm
Program Power (watt):	3400 W	3000 W	3000 W
Power handling capacity:	1700 W	1500 W	1500 W
Sensitivity:	98.5 dB	98.5 dB	97 dB
Frequency range:	25 - 1000 Hz	25 - 1000 Hz	28 - 1000 Hz
Effective piston diameter:	410 mm / 16.14 inch	410 mm / 16.14 inch	355 mm / 13.97 inch
Max. Excursion Before Damage:	67 mm / 2.63 inch	65 mm / 2.56 inch	65 mm / 2.56 inch
Minimum Impedance (ohm):	6.7 ohm	6.6 ohm	6.6 ohm
Voice Coil Diameter:	4.5 inch / 116 mm	4.0 inch / 102 mm	4.0 inch / 102 mm
Voice Coil Winding Material:	Aluminium	Aluminium	Aluminium
Voice Coil Length:	42 mm / 1.65 inch	42 mm / 1.65 inch	42 mm / 1.65 inch
Number of layers:	4	4	4
Kind of layers:	inside/outside	inside/outside	inside/outside
Top Plate Thickness:	16 mm / 0.63 inch	16 mm / 0.63 inch	16 mm / 0.63 inch
Cone Design:	Curved	Curved	Curved
Surround Material:	Polycotton	Polycotton	Polycotton
Surround Design:	Triple roll	Triple roll	Triple roll
Magnets:	Neodymium	Neodymium	Neodymium
Hypervented magnetic structure:	Yes	Yes	Yes
Dual-force air ventilation:	Yes	Yes	Yes
Demodulation Rings material:	Aluminium	Aluminium	Aluminium
Number of Demodulation Rings:	1	1	1
Spider:	Triple layer sandwich spider	Triple layer sandwich spider	Triple layer sandwich spider
Demodulation Ring:	Yes	Yes	Yes

Thiele - small parameters

Resonance frequency (Fs):	29	30 Hz	28
DC resistance (Re) (ohm):	4,7	4.80 ohm	4,7
Mechanical factor:	4.0 Qms	2.80 Qms	3.8 Qms
Electrical factor:	0.27 Qes	0.26 Qes	0.24 Qes
Total factor:	0.25 Qts	0.24 Qts	0.23 Qts
Bl factor (Bl) (T x m):	38.00 T x m	32.00 T x m	32.00 T x m
Effective moving mass (Mms):	355.0 g	295.0 g	270.0 g
Equivalent Cas air loaded (Vas):	145.0 liters	229.0 liters	127.0 liters
Effective piston area (Sd):	0.132 m2	0.132 m2	0.099 m2
Max. linear excursion (Xmax):	18 mm	18 mm	18 mm
Voice coil inductance @ 1kHz (Lelk):	4.40 mH	3.40 mH	3.0 mH
Half-space efficiency (Eff):	2,2	2.37%	1,80%

Mounting information

Overall diameter:	480 mm / 18.9 inches	480 mm / 18.9 inches	415 mm / 16.34 inch
Bolt circle diameter:	460-462 mm / 18.11-18.19 inch	460-462 mm / 18.11-18.19 inch	396-398 mm / 15.59 - 15.66 inch
Bolt hole diameter:	7 mm / 0.28 inch	7 mm / 0.28 inch	6.4 mm / 0.25 inch
Front mount baffle cut-out:	446 mm / 17.56 inch	443 mm / 17.44 inch	380 mm / 14.96 inch
Rear mount baffle cut-out:	446 mm / 17.56 inch	443 mm / 17.44 inch	380 mm / 14.96 inch
Volume occupied by the driver:	11 liters / 0.38 ft3	6 liters / 0.24 ft3	9 liters / 0.31 ft3

Standard compliance

Safety agency:	CE compliant	CE compliant	CE compliant
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Size

Height:	253.5 mm / 9.98 inches	246 mm / 9.69 inches	190 mm / 7.48 inch
Diameter:	480 mm / 18.9 inches	480 mm / 18.9 inches	415 mm / 16.34 inch
Cut out diameter:	446 mm / 17.55 inches	442.6 mm / 17.43 inches	380 mm / 14.96 inch
Weight:	12.7 kg / 27.998 lbs	10 kg / 22.05 lbs	9.7 kg / 21.38 lbs

Part Number

11100182

11100167

11100184

ND COMPRESSION DRIVERS

By combining optimized dome design and high-energy magnets, ND compression drivers deliver exceptional clarity and maximum reliability.



NDT COMPRESSION DRIVERS

Precision Transducers' pure titanium dome compression drivers focus on maximizing linearity, precision, and long-term reliability. NDT drivers are mainly suitable for professional line arrays and point source applications. The motor structure features a high-flux density neodymium magnet assembly with a copper demodulation ring to reduce harmonic and intermodulation distortion. The motor structure class-leading design utilizes a Kapton former, ultralight edge wound aluminum wire and a 4-slot phase plug to deliver minimum distortion across its operating bandwidth. The high sensitivity, high continuous power handling, and very low recommended crossover point make NDT drivers ideal for integration with waveguides in two-way high-powered systems.

TITANIUM

Because titanium alloys have high corrosion resistance, fatigue resistance, high tensile strength-to-density ratio, high crack resistance, and ability to withstand high temperatures, they are used in aircraft and spacecraft industries, high-quality sporting goods, luxury cars, and of course in RCF transducers. Titanium dome structures combine the strength of phenolic and composite-type diaphragms with an outstanding frequency response similar to other more fragile materials.



NDX COMPRESSION DRIVERS

The NDX595 and NDX495 both come with PEX (modified polyether ether ketone) 1.75" domes. The ultra-compact size and the low suggested crossover point at 1000 Hz make both transducers ideal for small two-way cabinet designs and three-way loudspeaker systems with 8" or larger low-frequency units. Both drivers specify 140 Watts continuous power handling, with the ND595 exhibiting a sensitivity of 111 dB and the ND495 of 109 dB.

MODIFIED POLYETHER ETHER KETONE

PEX is a rigid yet lightweight material, optimized with reinforcing ribs for thin dome designs offering remarkable precision and reliability compared with other polymeric materials.

DIRECT DRIVE VOICE COIL MOTOR

The top of the former is bent and bonded directly to the edge of the 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 neodymium compression drivers robust and reliable.





FEATURES



	NDT995	NDT895	NDX595	NDX495
General specifications				
Exit Throat Diameter:	1.4 inch / 36 mm	1.4 inch / 36 mm	1.0 inch / 25 mm	1.0 inch / 25 mm
Related Impedance:	8 ohm	8 ohm	8 ohm	8 ohm
Program Power (watt):	280 W	240 W	140 W	140 W
Power handling capacity (watt):	140 W	120 W	70 W	70 W
Sensitivity:	110 dB	109 dB	110 dB	109 dB
Frequency range:	500 - 20000 Hz	500 - 20000 Hz	1200 - 20000 Hz	1200 - 20000 Hz
Diaphragm Material:	Pure Titanium	Pure Titanium	PKX Polymer	PKX Polymer
Suspension Material:	Polymide	Pure Titanium	PKX Polymer	PKX Polymer
Suspension Design:	Flat	Double Roll	Flat	Flat
Minimum Impedance (ohm):	8.50 ohm	7.00 ohm	6.50 ohm	6.50 ohm
Voice Coil Diameter:	4.0 inch / 102 mm	3.0 inch / 76 mm	1.75 inch / 44 mm	1.75 inch / 44 mm
Voice Coil Material:	Edgewound Aluminium	Edgewound Aluminium	Edgewound Aluminium	Edgewound Aluminium
Voice Coil Former Design:	Direct Drive Kapton	Direct Drive Kapton	Straight - Kapton	Straight - Kapton
Number of layers:	1	1	1	1
Kind of layers:	inside/outside	outside	outside	outside
Flux Density:	2.0 T	2.0 T	2.1 T	1.8 T
Phase Plug Design:	4 slot	3 slot	3 slot	3 slot
Phase Plug Material:	Aluminium	Aluminium	PP Composite	PP Composite
Magnetics:	Neodymium	Neodymium	Neodymium	Neodymium
Voice Coil Demodulation Ring	Copper	Copper	Copper	Copper
Thiele - small parameters				
Bl factor (Bl) (T x m):	17.60 T x m	13.00 T x m	8.00 T x m	7.50 T x m
Mounting information				
Overall diameter:	146 mm / 5.75 inches	115 mm / 4.53 inches	90 mm / 3.54 inches	85 mm / 3.35 inches
Overall height:	55 mm / 2.17 inches	49 mm / 1.93 inches	47 mm / 1.85 inches	44 mm / 1.73 inches
Mounting:	4x6 mm threaded holes a 90°	4x6 mm threaded holes at 90°	4x6 mm threaded holes at 90°	4x6 mm threaded holes at 90°
Standard compliance				
Safety agency:	CE compliant	CE compliant	CE compliant	CE compliant
Part Number	15100033	15100030	15100023	15100024

TECHNOLOGIES



FIRPHASE TECHNOLOGY

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 for coherent distribution of sound for all listeners without phase distortions, ensuring minimum latencies in the system.



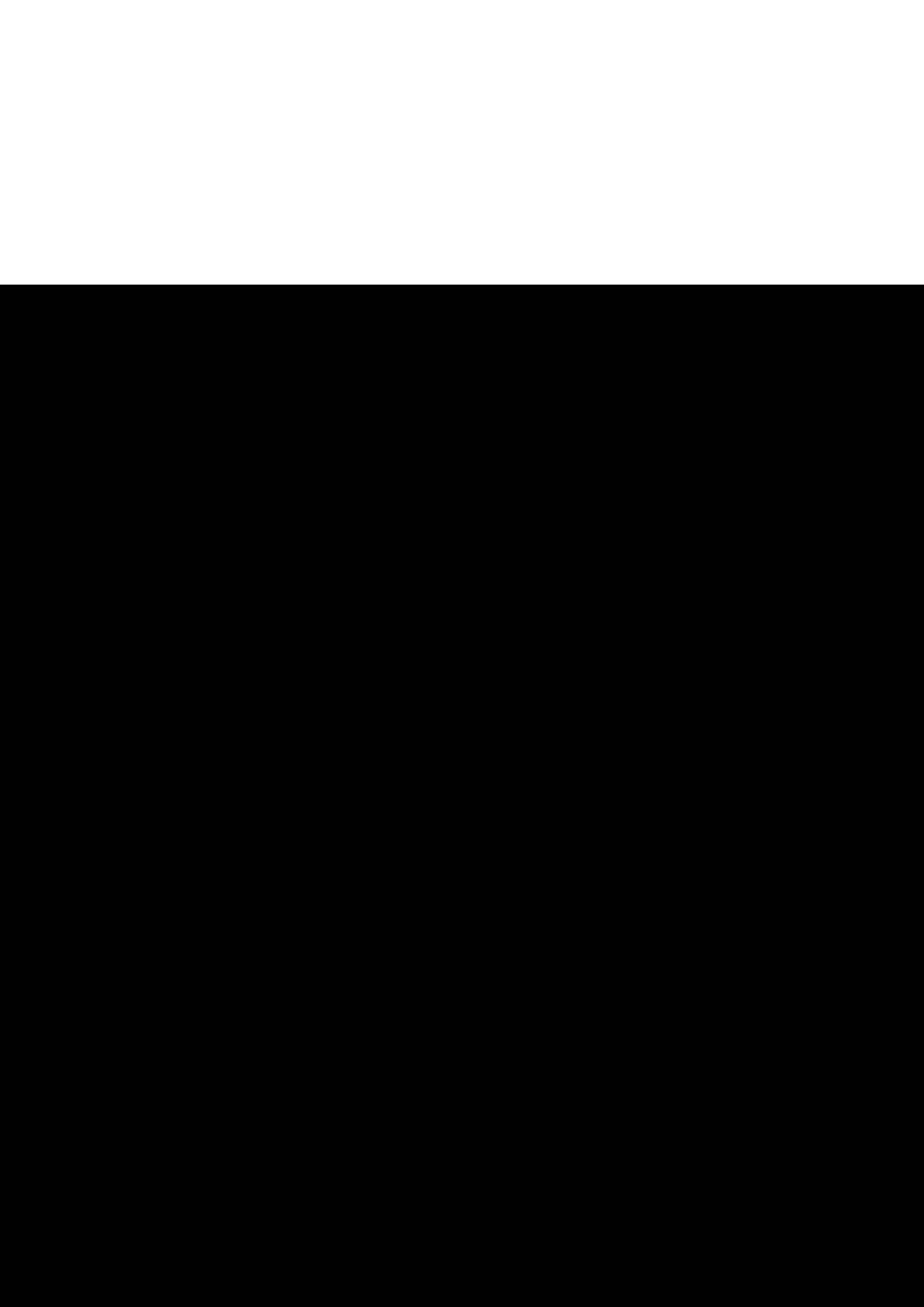
BASS MOTION CONTROL

When searching for an extended bass with enhanced performance, RCF engineers found a way to remove the high-pass filter, replacing it with a forward-thinking approach. Introducing BMC (Bass Motion Control), the newly advanced woofer excursion management feature. ART 9 with BMC can handle the lowest audible frequencies without affecting the woofer stability, with extended linearity and better sound integrity.



XBOOST Low Frequencies Enhancer

XBoost unlocks the profound low frequencies concealed within ART speakers. With a simple activation from the speaker's rear panel, immerse yourself in a rich tapestry of bass that pounds with exceptional clarity and control. Whether you're seeking subtle background music or an enriched sonic experience for your mix, XBoost delivers an astonishing perception of deepened bass, ensuring that every note retains its pristine essence and keeping the woofer excursion under control.





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