RCF

NEW PRODUCTS 2025

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ACE

ADVANCED CROSSOVER ENGINE

Factory-tuned presets for perfect sub-top pairing. The first solution of its kind for effortless and precise audio alignment.


BETTER EFFICIENCY, FASTER SETUP

With RCF's ACE-compatible speakers, users can now leverage the technical expertise of RCF's system engineers at the touch of a button. As an industry first, RCF offers effortless alignment of subs and tops by quickly recalling presets from the back panel menu or the companion smartphone app. This innovative approach saves time and ensures precise and consistent audio performance across various venues and setups, making advanced audio calibration accessible to a broader user base.

SUB-TOP SYNERGY FOR UNMATCHED LOW-END POWER

ACE operates across a broader frequency range than the typical crossover range, allowing the speaker to extend its operation to the lowest frequency available, and gain all the advantages of FiRPHASE technology. ACE transforms a sub+top system into a factory-tuned 3-way system, ensuring increased bass impact, low distortion, and improving overall sound quality.
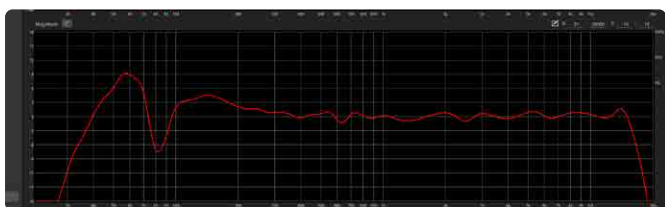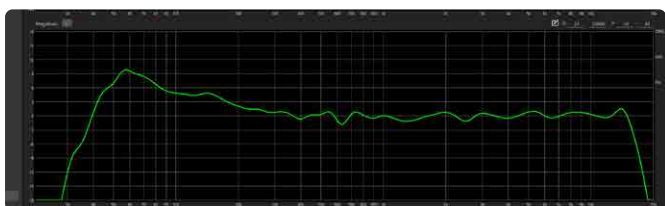
HIT THE ACE!

Simply connect your satellite speakers to the SUB, select the preset from RDNet or RDTap, confirm/tap and you are ready to perform.

PAIR YOUR FULL-RANGE SPEAKER WITH RCF ACE-ENABLED SUBS

RCF's proprietary Advanced Crossover Engine (ACE) is engineered to precisely match the time delay and align the phase on a broader range than the usual crossover frequency range between RCF subwoofers and FiRPHASE-enabled full-range speakers.

Unaligned

Aligned
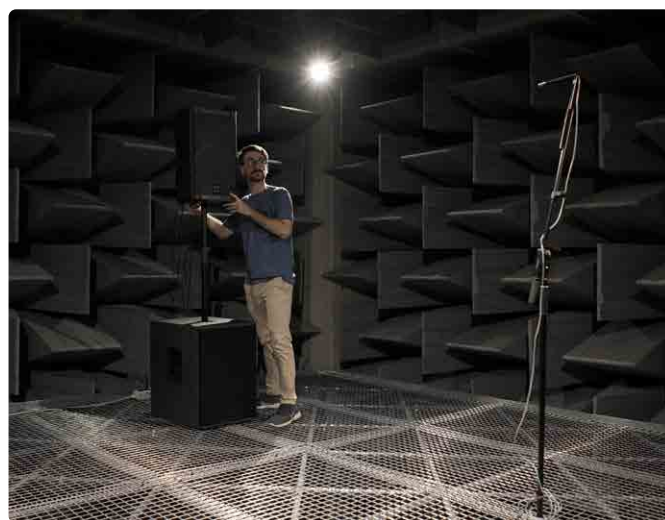
RDTap

CONTACTLESS AUDIO SYSTEM CONFIGURATION

The RDTap app offers contactless communication with the subwoofer. Users can access pre-loaded presets to quickly configure popular RCF system or optimize compatible speakers and subwoofers.

RDTap TECHNOLOGY

RDTap enables contactless communication, offering setup management and parameter updates, even when the unit is unpowered. By tapping the RDTap logo at the back panel with a smartphone running RDTap, the app transfers to the unit every aspect of the defined setup, including preset configurations, equalization, and precise delay and time alignment settings. Or read the status of the speaker. This is specially convenient when upgrading your subwoofers and giving your old main system a new life, with the assistance of presets, EQs, delays, and management via RDNet.

Unlike other control technologies that operate over long distances, this solution focuses on near-field interactions, where security, precision, and unpowered operations before rigging are key. Data transmission occurs at close range, ensuring that changes are applied only when intended, without interference from further distance or external devices. This makes it a highly efficient and user-friendly way to manage the subwoofer's settings and performance before set up takes place.

RDTap App is available for both iOS and Android devices.

ADVANCED CONFIGURATION, SIMPLIFIED

RCF has created a groundbreaking solution for offline/unpowered device configuration. With RDTap, users can inspect and configure devices without needing to power the device. Sound engineers can design a system within the RDTap App on the move and configure each subwoofer by tapping the RDTap logo, with RCF [patent-pending] contactless technology.

As an alternative, RDNet management software enables comprehensive real-time control and monitoring of compatible, network-connected devices.
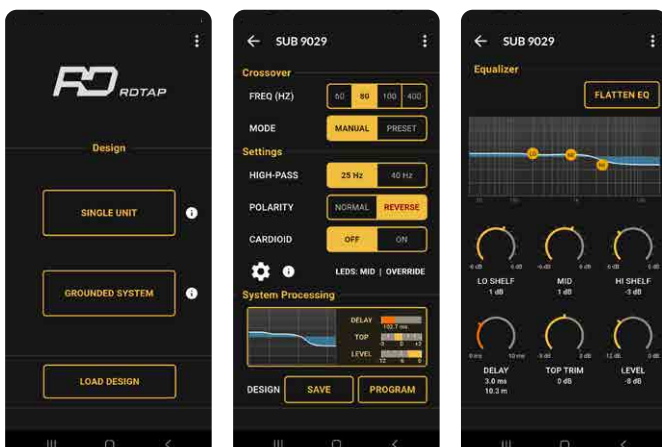
RDNet

RDnet is a powerful management network and control platform for small to arena-sized sound systems and large-scale installations.

TOOLBOX FOR SOUND SYSTEM DESIGN

RDNet is an advanced platform for integrated monitoring and control of sound systems - from small live and installed setups to massive arena systems. Based on a robust networked architecture, RDNet combines system control, line array design, and comprehensive audio measurements into a single powerful software package. Engineers and technicians can intuitively manage every device on the network, from individual components to multiple groups. The platform provides full DSP control of compatible devices, with flexible configuration tools for perfectly tuning the system response at maximum speed. Users have real-time access and oversight of all key settings from a centralized interface.

THE TOOLBOX FOR SYSTEM DESIGN AND OPTIMIZATION

RDNet displays all audio devices connected to the network as objects on the main window. The real-time monitoring features a multitude of parameters such as fan speed, temperature, the inclination of a single speaker, VU Meters, peak levels, and more. The operator has complete control of time delay and equalization of every speaker, individually or grouped. With its built-in DSP, each device is an active part of the system, able to store presets, receive commands, and continuously send status information. Comprehensive monitoring is standard in RDNet: VU metering, clip indicator, limiter intervention, device inclination, communication issues—down to the status of a single component or a transducer—and much more.

RDNet MEASURE

RDNet Measure is a powerful 4-input Dual-Channel FFT Audio Analyzer able to measure Magnitude, Phase, RTA, Coherence, and Impulse response. Functions included spans from a delay finder, a multiple signal generator, and an integrated SPL meter/logger with calibration tools. There's no need for external software to get the job done.

FEATURES

- Array and Zones Grouping for self- and externally-powered systems
- Real-time Discovery and Complete Monitoring
- Complete Real-Time FFT Analyzer with EQ integration and Auto-Alignment
- Adjust Hi-Pass, EQ, Gain, and Delay on individual components
- New IP-based RDNet-OE architecture
- Cloud Storage and Import full
- Shape Designer Array Calculator
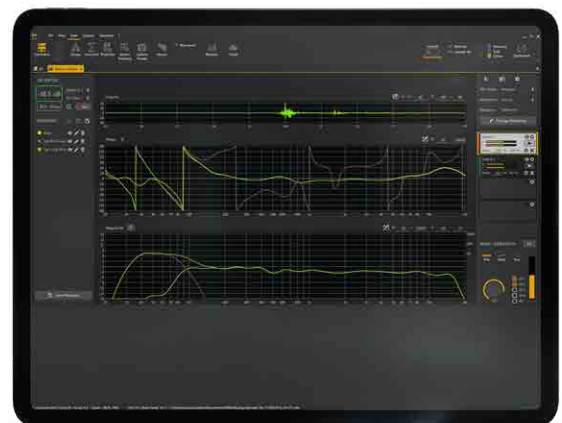
Sound System Management & Control Software

WHAT'S NEW IN VERSION 5

The latest release features a streamlined workflow for seamlessly grouping self- and externally-powered systems. Device discovery is optimized with quicker drag-and-drop functionality, making it easy to manage hybrid systems. For example, a configuration using both TT+ Audio and RCF HDL loudspeakers. The improved user interface includes an advanced EQ visualization with amplitude/phase response plot and real-time FFT analysis. The redesigned cloud infrastructure allows projects and measurements to be saved remotely and recalled from any location.

NEW: AUTOMATIC ALIGNMENT

The time-saving [Automatic LF Alignment] and [Fill/Delay Align] functions integrated with RDNet Measure allow for quickly aligning big systems directly from measurements. The process is simple: after saving RDNet Impulse Response Measurements by group of speakers (Line Array, Subwoofer group, Cluster or Fill Speakers), the [Automatic LF Alignment] function automatically calculates and applies the best phase alignment of the sound system with the subwoofer group, while the [Fill/Delay Align] provides the best temporal alignment between two groups of speakers.

GET THE MOST OUT OF YOUR SYSTEM

RDNet gives the ability to control devices in Groups for easy supervision. Arrays customizable Group properties are Zones, Air Compensation, Cluster Size, FiRPHASE Gain. When assigning Group Array objects in Zones: every Zone has its color for quick reference of set parameters. An incremental control shapes the Air Absorption Compensation, which can be very useful with changes in humidity or temperature (e.g., soundcheck on a sunny day, concert on a humid night). The line array's low-mid shaping is automatically calculated on the Cluster size to obtain the perfect linear frequency response from the entire system.

LIVE SOUND AND INSTALL AUDIO APPLICATIONS

RDNet provides a comprehensive management system for both live and installed environments. This networked platform facilitates control and allows for the efficient monitoring, routing, and tuning of all RDNet-compatible devices

KX SERIES

The KX Series represents RCF's latest innovation in audio engineering, designed specifically for professionals deploying top-tier sound reinforcement at live concerts, performing arts centers, sports venues, and premium installations.

The KX Series encompasses powerful active speakers that deliver superior sound performance, featuring advanced DSP, remote management capabilities, full weatherproof protection, and unmatched scalability. Engineered for high-power efficiency, these rider-friendly speakers boast robust hardware and a lightweight design. The KX Series sets a new industry standard for power, accuracy, and coverage.

DIGITAL SIGNAL PROFICIENCY

The KX DSP platform is the next-generation audio engine for RCF active speakers and DSP amplifiers. Designed as a real-time DSP engine, it offers unparalleled processing density and scalability, propelling RCF speakers to a new dimension of performance. This groundbreaking DSP engine delivers unmatched processing power for its class.

KEY FACTORS

- Designed for touring and professional deployments
- Fast deployment and quick tuning
- Large accessory catalog
- RCF Precision Transducers
- RDNet for control, monitoring and remote management
- Advanced DSP Platform
- Designed and manufactured in RCF's headquarters

ADVANCED ELECTRONICS

The high-powered Class-D amplifiers, tailored for each transducer, deploy pristine sound with efficient heat dissipation at the lowest possible distortion, along with low power consumption.

High-end AD/DA conversion up to 96 kHz - 32-bit floating-point, and onboard DSP for the best sound quality. Thanks to the proprietary RDNet networked management and control, every KX speaker provides in-depth remote monitoring through multiple sensors. The system engineer has immediate feedback of transducer status, fan speed, temperature, VU meters, limiters and much more.

PRECISION TRANSDUCERS

RCF has over 75 years of experience in designing transducers, particularly moving coil loudspeakers. Their transducers are engineered for optimal power and sound purity, with minimal distortion and the ability to withstand extended use.

The Key to Pure Performance

ROBUST AND DURABLE

The high-quality Baltic birch plywood enclosure is crafted with each layer glued using water-resistant adhesive before the painting process. The weatherproof polyurea paint forms a thick, full coating over the cabinet, with excellent waterproofing, UV resistance, corrosion protection and the ability to withstand abrasion, impacts, and mechanical stress.

All mechanical rigging is built from high-strength structural Swedish steel. After undergoing a quenching and tempering process, this special steel guarantees a yield strength nearly four times higher than that of commercial-grade steel, while maintaining its mechanical properties even at temperatures as low as −40°C. The rigging has a high safety factor, ensuring all weight is securely managed. KX enclosures feature die-cast aluminum handles with ergonomic rubber grips.

Attached to a solid machined aluminum structure, the amplifier heat dissipation is efficient, enhancing the stiffness of the enclosure.

- Reinforced structural design
- Water Resistant Birch Enclosure
- Durable Polyurea Paint
- High-strength Steel
- Ergonomic handles
- Machined Aluminum Heat Sink

REINFORCED STRUCTURAL DESIGN

The internal structure is designed with reinforced bracing to ensure durability during long-term use and transport. All components, including metal inserts, are securely assembled using high-quality metric screws for maximum stability. Additionally, the amplifier is housed in a dedicated chamber, separate from the transducers, to enhance both efficiency and reliability.

THE KX SIGNATURE FRONT GRILLE

The heavy-duty front grille is powder-coated for maximum robustness. A special transparent-to-sound foam backing on the inside of the grille helps to further protect the transducers from dust. Waterproof speakers feature an advanced acoustically transmissive water-repellent mesh. Logo is rotatable for horizontal or vertical placement.

SPECIFICATIONS
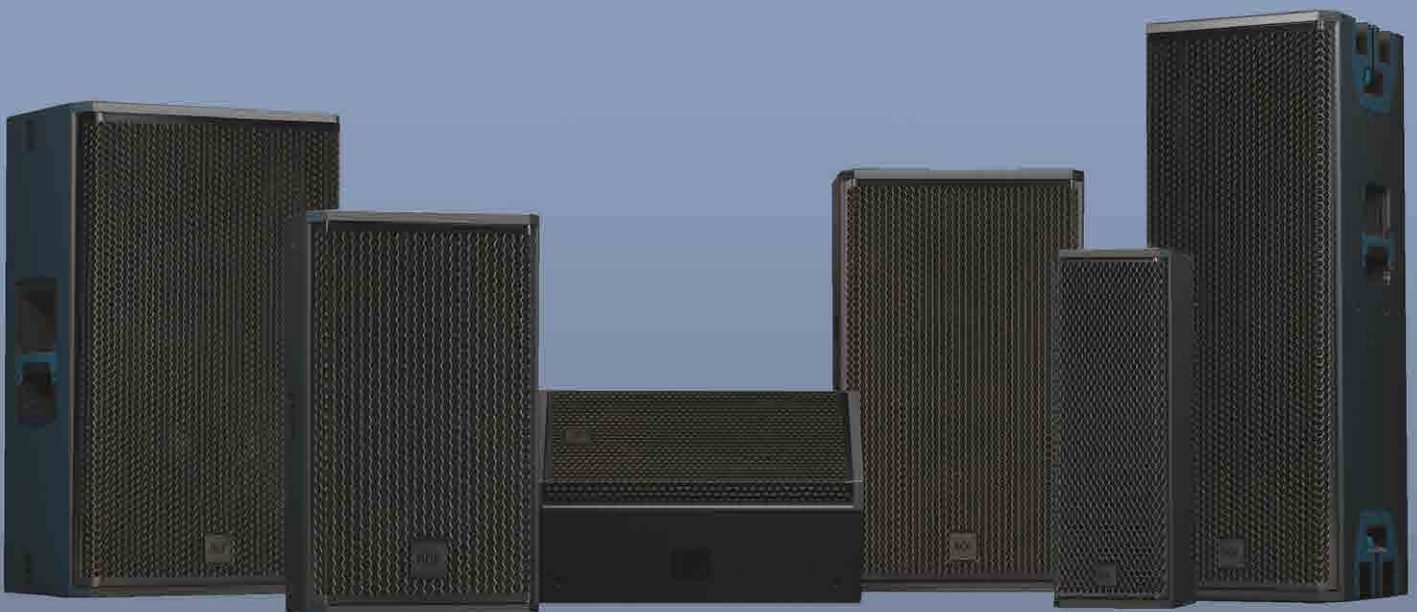
Acoustical specifications	KX 45-A	KX 32-A	KX 10-A	KX 08-A
Frequency Response:	50 Hz - 20000 Hz	50 Hz - 20000 Hz	60 Hz - 20000 Hz	65 Hz - 20000 Hz
Max SPL @ 1m:	137 dB	134 dB	130 dB	128 dB
Horizontal coverage angle:	100°	100°	100°	90°
Vertical coverage angle:	70°	70°	50°	70°
Transducers				
Compression Driver:	1.4″ neo, 4″ v.c	1.4″ neo, 3″ v.c	1″ neo, 1.75″ v.c	1″ neo, 1.75″ v.c
Woofer:	1 x 15″ neo, 3.5″ v.c	12″ neo, 3.5″ v.c	10″ neo, 2.5″ v.c	1 x 8″ neo, 2.5″ v.c
Input/Output section				
Input signal:	bal/unbal	bal/unbal	bal/unbal	bal/unbal
Input connectors:	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Output connectors:	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Processor section				
Crossover Frequencies:	750Hz	750Hz	1600 Hz	1400Hz
Protections:	Thermal, HF	Thermal, HF	Thermal, HF	Thermal, HF
Limiter:	Fast Limiter	Fast Limiter	Fast Limiter	Fast Limiter
Controls:	Gain Reduction, Proces., 8 sel. presets	Gain Reduction, Proces., 8 sel. presets	Bypass, Linear/High Pass, Volume, RDnet on board	Bypass, Linear/High Pass, Volume, RDnet on board
RDNET:	Onboard	Onboard	Onboard	Onboard
Power section				
Total Power:	3200 W Peak	3200 W Peak	2000 W Peak	2000 W Peak
High frequencies:	1200 W Peak	1200 W Peak	600 W Peak	600 W Peak
Low frequencies:	2000 W Peak	2000 W Peak	1400 W Peak	1400 W Peak
Cooling:	Convection	Convection	Convection	Convection
Powercon TRUE1 TOP IN/OUT:	Yes	Yes	Yes	Yes
RCF Technology				
FiRPHASE	Yes	Yes	Yes	Yes
RDNet	Yes	Yes	Yes	Yes
BASS MOTION CONTROL	Yes	Yes	Yes	Yes
Standard compliance				
Safety agency:	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material:	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood
Hardware:	Quick lock, pole mount, 3 M10 on top, 3 M10 on bottom sides	Quick lock, pole mount, 3 x M10 on top, 3 x M10 on bottom sides	3X M10 TOP and Bottom 2X PIN D.10 and M10 SIDE	3X M10 TOP and Bottom 2X PIN D.10 and M10 SIDE
Handles:	2 on side	2 on side	1 top	1 top
Pole mount/Cap:	35 mm insert	35 mm insert	35 mm insert	35 mm insert
Grille:	Steel with clothing	Steel with clothing	Steel with clothing	Steel with clothing
Color:	Black	Black	Black	Black
Size				
Height:	705 mm / 27.76 inches	620 mm / 24.41 inches	510 mm / 20.08 inches	450 mm / 17.72 inches
Width:	419.6 mm / 16.52 inches	360 mm / 14.17 inches	300 mm / 11.81 inches	260 mm / 10.24 inches
Depth:	430 mm / 16.93 inches	409.3 mm / 16.11 inches	300 mm / 11.81 inches	285.4 mm / 11.24 inches
Weight:	28.45 kg / 62.72 lbs	23.8 kg / 52.47 lbs	14 kg / 30.86 lbs	11 kg / 24.25 lbs

Part Number		KX 45-A	KX 32-A	KX 10-A	KX 08-A
220-240V	Black			13000902	13000900
100-120V	Black			13000901	13000895
220-240V	White				
100-120V	White				
100-240V EU	Black	13000906	13000904		
100-240V US	Black	13000905	13000903		
100-240V	Black				

KX 515-A	KXL 4-A	KXW 4-A	SUB 808-AS
70 Hz - 20000 Hz	45 Hz - 20000 Hz	45 Hz - 20000 Hz	40 Hz - 400 Hz
127 dB	135 dB	135 dB	129 dB
100°	100°	100°	-
70°	25°	50°	-
1″ neo, 1.75″ v.c	1.4″ neo, 4″ v.c	1.4″ neo, 4″ v.c	-
2 x 5″ neo, 2″ v.c	2 x 10″ neo, 3″ v.c	2 x 10″ neo, 3″ v.c	2 x 8″ neo, 2.5″ v.c
bal/unbal	bal/unbal	bal/unbal	bal/unbal
XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
-2 dBu/+4 dBu	+4 dBu	+4 dBu	-2 dBu/+4 dBu
1200	900Hz	900Hz	-
Excurs.	Thermal, RMS	Thermal, RMS	Excurs.
Fast Limiter	Fast Limiter	Fast Limiter	Fast Limiter
Bypass, Linear/High Pass, Volume,	Gain Reduction, delay, proces., 8 sel. presets.	Gain Reduction, delay, proces., 8 sel. presets	Volume
Onboard	Onboard	Onboard	Onboard
2000 W Peak	3200 W Peak	3200 W Peak	2000 W Peak
600 W Peak	1200 W Peak	1200 W Peak	-
1400 W Peak	2000 W Peak	2000 W Peak	2000 W Peak
Convection	Convection	Convection	Convection
Yes	Yes	Yes	Yes
Yes	Yes	Yes	-
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
CE compliant	CE compliant	CE compliant	CE compliant
Baltic birch plywood	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood
2X M10 TOP and Bottom 2X PIN D.10	Array fittings, 2xM10 on the top, 2xM8	Array fittings, 2xM10 on the top, 2xM8	2X M20 TOP AND SIDE 8X M10 2X SIDE
2 Top and Bottom	2 side, 2 rear	2 side, 2 rear	1x side
Quick Fit Socket	35 mm insert	35 mm insert	35 mm insert
Steel with clothing	Steel with clothing	Steel with clothing	Steel with clothing
Black, White	Black	Black	Black, White
456 mm / 17.95 inches	825 mm / 32.48 inches	825 mm / 32.48 inches	243.5 mm / 9.59 inches
154 mm / 6.06 inches	310 mm / 12.2 inches	310 mm / 12.2 inches	603.5 mm / 23.76 inches
237.5 mm / 9.35 inches	369 mm / 14.53 inches	369 mm / 14.53 inches	430 mm / 16.93 inches
9.8 kg / 21.61 lbs	30.4 kg / 67.02 lbs	30.4 kg / 67.02 lbs	20 kg / 44.09 lbs
13000897			13000899
13000896			13000898
13000870			13000872
13000869			13000871
	13000882	13000884	

ACCESSORIES

	Accessory name	p/n	Color	KX 45-A	KX 32-A	KX 10-A	KX 08-A
Rigging / Mounting							
FLOOR STANDS	AC PRO-FS	13360109	Black	X	X	X	X
FLYING BRACKETS	AC EB 4X	13360031				X	X
	FLB60691	13360691	Black				
FLY BARS	FLB60697	13360697	Black				
FLY BARS PICKUP	FLB60696	13360696	Black				
HORIZONTAL BRACKETS	HBR60706	13360706	Black	X			
	HBR60703	13360703	Black		X		
	HBR60711	13360711	Black			X	
	HBR60714	13360714	Black				X
	HBR60692	13360692	Black				
	HBR60716	13360716	White				
	HBR60709	13360709	Black				
INSTALLATION PLATES	PLT60702	13360702	Black	X	X		
LINK BARS	FLB60690	13360690	Black				
VERTICAL BRACKETS	VBR60707	13360707	Black	X			
	VBR60704	13360704	Black		X		
	VBR60712	13360712	Black			X	
	VBR60715	13360715	Black				X
	VBR60693	13360693	Black				
	VBR60698	13360698	Black				
POLE MOUNT KITS	AC PRO-PM	13360110	Black	X	X	X	X
	PM-KIT M20	13360067	Black	X	X	X	X
	PM-KIT M20	13360638	White				
	PMK60678	13360678	Black				
	PMK60679	13360679	White				
	AC PMX	13360232	Black		X	X	X
SUSPENSION CHAINS	HOIST SPACING CHAIN CH 001	13360129	Black				
Protections							
COVERS	CVR60705	13360705	Black	X			
	CVR60699	13360699	Black		X		
	CVR60710	13360710	Black			X	
	CVR60713	13360713	Black				X
	CVR60688	13360688	Black				
	CVR60694	13360694	Black				
	CVR60708	13360708	Black				
RAIN PROTECTIONS	RPR60700	13360700	Black	X	X		
	RPR60689	13360689	Black			X	X
	RPR60695	13360695	Black				
CABLES KIT	AC XLR 3M3F	13360102	Black				
	CBL ETHERCON 0.7M	12399016	Black				
	CBL ETHERCON 1.5M	12399017	Black				
	CBL ETHERCON 3M	12399035	Black				
	CBL ETHERCON 5M	12399018	Black				
Cables							
CABLES	CBL ETHERCON TO XLR F 0.2M	12399019	Black	X	X		
	CBL ETHERCON TO XLR M 0.2M	12399020	Black	X	X		
CABLES KIT	AC XLR 3M3F	13360102	Black	X	X	X	X
	CBL ETHERCON 0.7M	12399016	Black	X	X		
	CBL ETHERCON 1.5M	12399017	Black	X	X		
	CBL ETHERCON 3M	12399035	Black	X	X		
	CBL ETHERCON 5M	12399018	Black	X	X		

KX 515-A	KXL 4-A	KXW 4-A	SUB 808-AS
X	X	X	
X			
	X	X	
	X	X	
X			
X			
			X
X			
X			
	X	X	
X	X	X	
X			X
X			X
X			
X			
X	X	X	X
	X	X	
X			
	X	X	
			X
X			X
	X	X	
	X	X	
	X	X	
X	X	X	X
	X	X	
	X	X	
	X	X	
	X	X	
	X	X	

SUB 9000 SERIES

Commanding bass in a compact, tour-ready cabinet design, enhanced by advanced RDTap contactless configuration, ACE factory-tuned crossover presets and RDnet networked management.

Unleash the pristine power of low-frequency reproduction with RCF SUB high-performance active subwoofers. Deliver up to 142 dB SPL with up to 8000 Watts Class-D amplifiers and high-excursion Precision Transducers. Experience effortless system control via RDNet and groundbreaking contactless configuration with the RDTap app for easy setup, all wrapped up in a tour-ready subwoofer ideal for audio professionals who expect the very best.

RDNET SYSTEM MANAGEMENT AND CONTROL SOFTWARE

RDNet is the RCF management software suite for Sound System Engineers. A robust management network for RCF devices, a line-array design tool, a monitoring platform, and a complete audio analyzer in one package. RDNet provides intuitive management of every connected device/object on the network. Network users can control all DSP settings inside any compatible device, including advanced subwoofer configurations, from a single object to groups of objects. RDNet users can edit and create recallable presets for RCF devices.

TOUR GRADE SOLUTION

Designed for rigorous touring, SUB 9000 Series subwoofers feature tour-ready, weatherproof plywood construction with a durable polyurea finish. The included magnetic rain cover protects the connection panel from rain and dust, while rugged powerCON TRUE1 TOP AC connectors ensure reliable power delivery in any environmental condition. Subs are stackable and lightweight, have ergonomic handles with rubber grips, and are designed for easy set-up and tear-down. M20 pole mounts on the top and side of the cabinet offer flexible top speaker placement. Connections for a detachable front cart are included, enabling easy transport on wheels (cart sold separately).

ADVANCED CONFIGURATION, SIMPLIFIED

RCF has created a groundbreaking solution for offline/unpowered device configuration. With RDTap, users can inspect and configure devices without needing to power the device. Sound engineers can design a system within the RDTap App on the move and configure each subwoofer by tapping the RDTap logo, with RCF [patent-pending] contactless technology.

As an alternative, RDNet management software enables comprehensive real-time control and monitoring of compatible, network-connected devices.

A New Definition of Bass.
Simplified Tuning. Unrivaled Depth.

ADVANCED TRANSDUCER TECHNOLOGY

SUB 9000 Series subwoofers incorporate the latest transducer technology from our labs. 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 gains high power with fast acceleration. Despite their small and lightweight footprints, SUB 9000 Series subwoofers produce powerful yet articulate bass, remaining true to even the most subtle low-frequency variations.

DRIVE THE RHYTHM OF THE BEAT

With up to 8000 Watts of power, our Class-D amplifier can manage extreme sound pressure levels with an ultra-fast attack, realistic transient response, and very low thermal loss. The stereo input circuit features a low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels. RCF amplifiers are designed according to EN62368-1 for maximum safety and present a Switch-Mode Power Supply section that combines high efficiency with minimum weight.

HIGH-CLASS NEODYMIUM

Neodymium, a rare-earth material, enhances efficiency, power handling, and weight reduction. Using a 20% stronger magnetic field than typical neodymium grades, this new design enables precise control and higher force.

FEATURES

- Up to 142 dB Max SPL
- Up to 8000W Class-D Amplification
- RDTap Contactless Configuration
- I/O Panel Rain Cover Included
- RDNet Networked Control
- BMC, EQ, DLY, Cardioid
- ACE Crossover Presets for RCF Speakers
- Detachable Front Cart (sold separately)
- powerCON TRUE1 TOP AC Connector

SUB 9019-AS
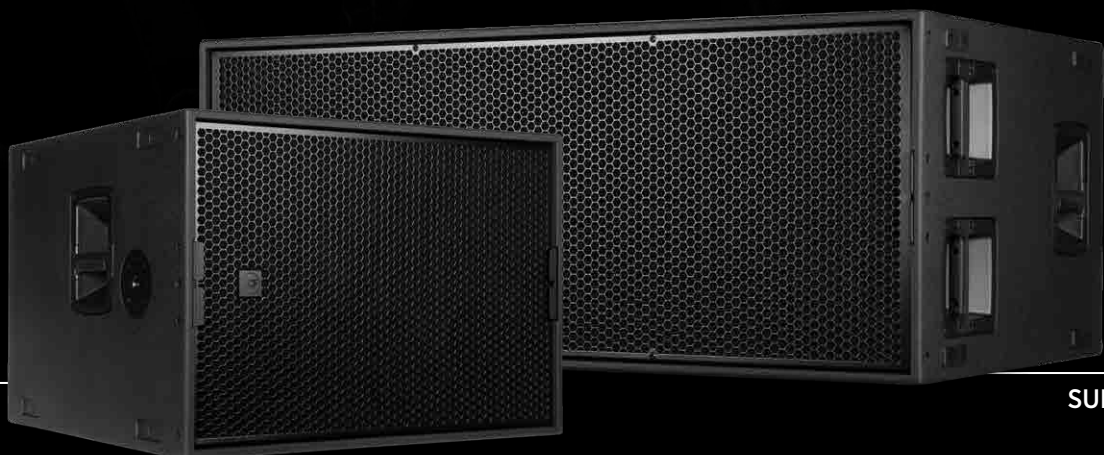
SUB 9029-AS

SPECIFICATIONS

Acoustical specifications	SUB 9029-AS	SUB 9019-AS	SUB 9016-AS
Frequency Response:	25 Hz - 200 Hz	30 Hz - 200 Hz	30 Hz - 200 Hz
Max SPL @ 1m:	142 dB	138 dB	137 dB
Transducers			
Woofer:	2 x 19" neo, 4.0" v.c.	19" neo, 4.0" v.c.	1 x 16" neo, 4.0" v.c
Input/Output section			
Input signal:	Balanced	Balanced	Balanced
Input connectors:	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Output connectors:	XLR, RDNet Ethercon	XLR, RDNet Ethercon	XLR, RDNet Ethercon
Input sensitivity:	-2 dBu/+4 dBu	-2 dBu/+4 dBu	-2 dBu/+4 dBu
Processor section			
Protections:	Thermal	Thermal	Thermal
Limiter:	Soft Limiter	Soft Limiter	Soft Limiter
Controls:	Mute, Vol, Presets, RDTap	Mute, Vol, Presets, RDTap	Mute, Vol, Presets, RDTap
RDNet:	Onboard	Onboard	Onboard
Power section			
Total Power:	8000 W Peak	4000 W Peak	4000 W Peak
Cooling:	Convection/Forced	Convection/Forced	Convection/Forced
Connections:	Powercon TRUE1 TOP IN/OUT	Powercon TRUE1 TOP IN/OUT	Powercon TRUE1 TOP IN/OUT
Standard compliance			
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material:	Plywood	Plywood	Plywood
Hardware:	2 x M20 pole mount accessories	2 x M20 pole mount accessories	2 x M20 pole mount accessories
Handles:	3 handle per side	1 handle per side	1 handle per side
Pole mount/Cap:	M20 thread	M20 thread	M20 thread
Grille:	Steel with clothing	Steel with clothing	Steel with clothing
Color:	Black	Black	Black
Size			
Height:	533 mm / 20.98 inches	533 mm / 20.98 inches	533 mm / 20.98 inches
Width:	1310 mm / 51.57 inches	755 mm / 29.72 inches	570 mm / 22.44 inches
Depth:	785 mm / 30.91 inches	713 mm / 28.07 inches	600 mm / 23.62 inches
Weight:	93 kg / 205.03 lbs	53.4 kg / 117.73 lbs	45 kg / 99.21 lbs
Part Number			
100-240 V EU	**13000889**	**13000890**	**13000916**
100-240 V US	**13000907**	**13000908**	**13000935**

ACCESSORIES

CRT60655	13360655

Detachable front wheel board for the transportation of SUB 9029-AS

CVR60656	13360656

Protection Cover for SUB 9029-AS

CRT60657	13360657

Detachable front wheel board for the transportation of SUB 9019-AS

CVR60658	13360658

Protection Cover for SUB 9019-AS

PM-KIT M20	13360067

Adjustable pole for subwoofer

CVR60736	13360736

Protection Cover for SUB 9016-AS

CRT60667	13360667

Detachable front wheel board for the transportation of SUB 9016-AS

SUB 18-AS & SUB 15-AS

High-performance subwoofers designed to meet the demanding needs of professional sound applications. Both models feature state-of-the-art transducers with high-power ceramic magnetic circuits and powerful Class-D amplifiers, delivering exceptional sound pressure levels and outstanding headroom.

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, long-term reliability, cardioid configuration options, and impressive size/weight to SPL output ratio. Your crowd will be able to live an engaging immersive experience in both live sound or DJing applications.

THE RIGHT DRIVE TO THE BEAT

With 2,200W power, our Class-D amplifier is able to manage extreme sound pressure levels with an ultra-fast attack, realistic transient response, and very low heat loss. So energy-efficient that there's no need for a cooling fan. The amplifier is attached to a solid aluminum heatsink in the rear of the cabinet with no moving parts. The stereo input circuit with crossover features a low distortion design with an advanced safety limiter, maintaining the true character of the input signal at all levels. RCF amplifiers are designed according to EN62368-1 for maximum safety and present a Switch Mode Power Supply section joining high efficiency with minimum weight.

FEATURES

- 2200 W Class-D amplifier
- Up to 135 dB max SPL
- 20 Hz - 400 Hz frequency response
- Multi-ply hardwood polyurea-coated
- Volume, polarity, and lowpass frequency selection
- Dual XLR/TRS combo Input + Link, Dual XLR Xover Out
- Crossover Frequencies 80Hz/100Hz

LOW END DONE RIGHT

What sets the RCF SUB Series apart is its ultra-fast attack with accurate power handling and a well implemented DSP for perfect balance between power and precision. This makes it the ideal low-frequency complement for 8" to 15" cone-size portable loudspeakers, providing outstanding performance in any sound application.

Dive Into The Depths of Sound

Tight and deep bass at any volume. RCF's improvements in transducer design make them robust and more powerful, able to deliver perfect clarity even at full level. Bass Motion Control algorithms handle the lowest audible frequencies without affecting the woofer stability, with extended linearity and better sound integrity at any volume.

RUGGED AND PORTABLE

The subwoofer enclosure uses durable all-plywood construction. Its lightweight design with ergonomic carrying handles makes for easy set-up and tear-down. The M20 pole mount on top supports speaker cabinets, further extending its versatility. The heavy-duty polyurea coating and powder-coated metal grille protect from wear and environmental elements.

SUB 15-AS
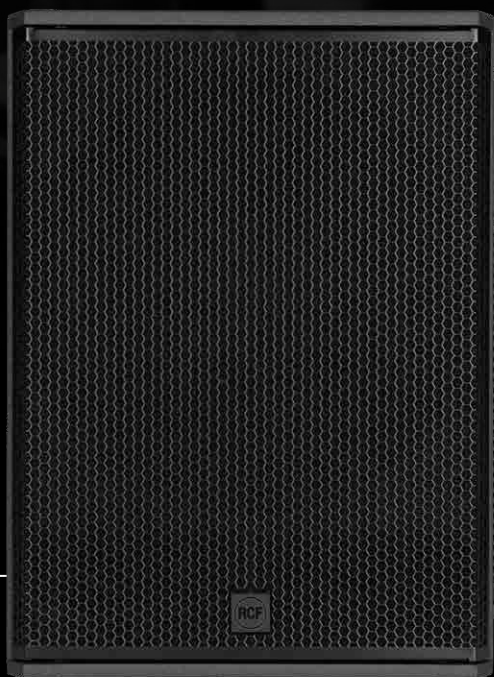
SUB 18-AS

SPECIFICATIONS

	SUB 18-AS	SUB 15-AS
Acoustical specifications		
Frequency Response:	20 Hz - 400 Hz	35 Hz - 400 Hz
Max SPL @ 1m:	135 dB	133 dB
Transducers		
Woofer:	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		
Protections:	Thermal	Thermal
Limiter:	Soft Limiter	Soft Limiter
Controls:	Volume, Polarity, Low pass filter frequency	Volume, Polarity, Low pass filter frequency
Power section		
Total Power:	2200 W Peak	2200 W Peak
Cooling:	Convection	Convection
Connections:	VDE	VDE
Standard compliance		
Safety agency:	CE Compliant	CE Compliant
Physical specifications		
Cabinet/Case Material:	Baltic birch plywood	Baltic birch plywood
Handles:	2 side	1 each side
Pole mount/Cap:	M20 thread	M20 thread
Grille:	Steel	Steel with clothing
Color:	Black	Black
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	30 kg / 66.14 lbs
Part Number		
220-240 V Black	**13000787**	**13000938**
100-120 V Black	**13000788**	**13000939**

ACCESSORIES

CVR 003	13360530
Padded Cover for SUB 18-AS	

CVR 004	13360529
Padded Cover for SUB 15-AS	

PM-KIT M20	13360067
Adjustable pole for subwoofer	

WH PRO 4X	13360238
Kit no 4 swivel castor, 100mm / 4" Ø wheel with roller bearings	

XPS 4K AMPLIFIERS

Outstanding RCF amplification and DSP technology packed into a convenient 2U four-channel power amp for mobile touring and install applications.

XPS 4K is a four-channel power amplifier with advanced processing and advanced routing with Dante (4KD only), digital and analog I/O for high demanding install sound applications. With 4x1000 W Class D continuous power at 4 ohms, 40-bit floating-point processing at 96 kHz, and 32-bit internal routing, XPS 4K packs remarkable power density in a 2U chassis. Designed for top quality installed sound systems, XPS 4K is intended for use with high-performance speakers and provides ready-to-use configurations and presets. It can also be used in linear mode with advanced tuning capabilities. Each output features: 4000 ms output delay (1372 m / 4501ft), EQ Filters, Crossovers, FIR Filters, Multiband Compressor, RMS Limiter, and Thermal limiter. XPS 4K delivers rider-friendly premium sound with full RDNet remote management, large touch interface onboard, exceptional signal/noise ratio, ultra-low distortion, and extreme dynamic range.

FLEXIBLE SIGNAL PROCESSING

The comprehensive digital architecture of the amplifier features multiple inputs and outputs that can be easily routed to suit any project. Analog inputs 3 and 4 can be switched to 4 AES/EBU digital I/O ports. Each input can be routed to any of the four digital and power outputs. The advanced clocking management design provides low latency sample rate conversion with high-quality AD/DA converters up to 96 kHz. Each XPS 4K amplifier combines two 40-bit floating-point SHARC DSP chips at 96 kHz and two more 32-bit DSP chips to independently manage audio processing and signal routing for maximum sound quality and redundancy.

TOTAL OPERATIONAL CONTROL

A large 4.3'' TFT color capacitive touch panel provides full operational control of the amplifier. The user interface is clear and easy to use providing large touch buttons and a practical edit knob, with high contrast menus designed to avoid any ambiguity in very bright or sunny environments. Proprietary RDNet Over Ethernet Management Network and OSC protocol compatibility allow the Sound System Manager to have complete remote control of the amplifier.

MODULAR POWER MANAGEMENT

XPS 4K provides remarkable power density with 4x1000 W continuous power outputs in 2 RU space for both touring and installed sound systems. The unit features 4 analog and digital AES/EBU inputs/outputs, Dante Network (4KD model), and a complete signal processing, tuning, and routing capability at 96 kHz. Redundancy and full scalability are granted by the advanced and modular design of the circuitry. A complete set of RCF speaker presets is available, with powerful signal processing for a complete system's tuning. More than a power amplifier, XPS 4K supports the RCF philosophy with a power-agnostic approach, where the Sound System Manager has complete freedom in choosing a powered or externally amplified modules for its system. XPS 4K offers portability, low-weight, ease of installation, fast setup speed, and complete remote management of each connected device via RDNet.

Four Channels DSP Amplifier

POWER-AGNOSTIC RDNET MANAGEMENT

RDNet will manage XPS amplifiers as middlemen between the user and the speaker, so the speaker will always be at the center of the scene, maintaining the usual control paradigm of RDNet software. The extensive RCF loudspeaker preset database is available within the amplifier and recallable via RDNet. The software Synoptic Table will show both passive devices and active ones as fully featured speakers, while the amplifier will be seen as a simple controller for signal routing and maintenance controls. The user can also group speakers and manage advanced settings in a mixed fashion making no distinction between active or passive architecture.

FEATURES

- 4x1000 W Total Continuous Power @ 4 Ohm
- 40-bit Floating-point Processing, up to 96 kHz
- 32-bit Fixed-point Internal Routing
- FiRPHASE, Bass Motion Control, Bass Shaper
- RDNet Networked Management
- Dante Audio Network
- On-board Speaker Presets Library

FAULT-TOLERANT ARCHITECTURE

RCF amplifier blocks feature a comprehensive self-protection design rooted in the principle of "audio at all times," with each amplifier channel and power supply individually safeguarded by dedicated fault-protection mechanisms. The XPS 4K enhances reliability even further through a layered approach to safety, employing both rapid and gradual protection strategies at the firmware and hardware levels. These concepts of scalability and resilience converge in the RDNet-OE network, which seamlessly carries audio and control data in a simple yet robust manner, complete with priority management.

SPECIFICATIONS

	XPS 4KD	XPS 4K
Amplifier specifications		
Amplifier Class:	D	D
Output Power (EIAJ 8:32 all channels driven):	4 x 1000 W @ 4 ohm 4 x 700 W @ 8 ohm	4 x 1000 W @ 4 ohm 4 x 700 W @ 8 ohm
Frequency Response (-3dB):	20 Hz - 23000 Hz	20 Hz - 23000 Hz
SNR Analog inputs (unweighted):	>108 dB	>108 dB
SNR Digital inputs (unweighted):	>112 dB	>112 dB
Crosstalk:	<70 dB	<70 dB
Distortion (THD+N) (20 Hz ÷ 20000 Hz,250 W @ 4 ohm):	<0.2 %	<0.2 %
Gain (linear mode @ 0 dB):	32 dB	32 dB
Damping factor (@ 4 ohm, 20 Hz ÷ 1500 Hz):	>200	>200
Max burst length (@ 50 Hz, CF = 7 dB, 4 ohm, 1% THD+N):	100 ms	100 ms
Input section		
Total number of inputs:	16	8
Line inputs:	4	4
Line connectors:	XLR	-
Digital inputs:	12	4
Digital connectors:	Ethercon, XLR	XLR
Digital type:	AES/EBU, DANTE	AES/EBU
General Purpose Inputs (GPI):	2	2
Programmable GPI:	Yes	Yes
Photo-coupled GPI:	2	2
Output section		
Signal output number:	4	4
Signal output connectors:	XLR	XLR
Power output connectors:	Speakon	Speakon
General Purpose Outputs (GPO):	3	3
Programmable GPO:	Yes	Yes
Processing		
DSP:	Yes	Yes
EQ Filters:	Yes	Yes
Advanced algorithms:	FiRPHASE, BASS Shaper, Air Compensation, Midlow Correction, Driver Excursion Control, Dynamic PEQ, Multiband Compressor, Pilot Tone Detection, Backup Recovery Strategy, Impedance Load Measurement	
Compressors:	Yes	Yes
Delay:	Yes	Yes
Tone controls:	Yes	Yes
High-pass filter:	10 Hz - 1000 Hz	10 Hz - 1000 Hz
Crossover:	2500 - 3500 Hz	2500 - 3500 Hz
Automatic Gain Control (ACG):	Yes	Yes
Configuration and control		
Configuration:	Front panel touch screen, PC Software	Front panel touch screen, PC Software
Network:	Gigabit ethernet	Gigabit ethernet
RCF speakers presets:	Yes	Yes
Priority:	Yes	Yes
Protocols for system integration:	Proprietary OSC based protocol	Proprietary OSC based protocol

RDNet:	Onboard	Onboard
Protections		
Cooling:	Forced	Forced
Short circuit:	Yes	Yes
Thermal:	Yes	Yes
DC:	Yes	Yes
Fuses:	Yes	Yes
VHF (Very High Frequencies):	Yes	Yes
Operating conditions		
Temperature range - Continuous operation:	-5°C - +40°C / +23°F - +104°F	-5°C - +40°C / +23°F - +104°F
Temperature range - Reduced output power:	-5°C to +50°C / +23°F to +122°F	-5°C to +50°C / +23°F to +122°F
Fan noise idle:	<28 dBA	<28 dBA
Fan noise max:	<48 dBA	<48 dBA
Power requirement		
Operating voltage:	90-240 V~ 50/60Hz	90-240 V~ 50/60Hz
Nominal current AC @ 100-120 V:	14 A	14 A
Nominal current AC @ 220-240 V:	8 A	8 A
Stand by power consumption:	30 W	30 W
Idle power consumption:	100 W	100 W
Power consumption:	2600 W	2600 W
Main fuse:	Internal	Internal
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Metal	Metal
Handles:	2 metal handles for rack mount	2 metal handles for rack mount
Color:	Black	Black
Rack mounting:	19″, 2U	19″, 2U
Size / Weight		
Height:	88.7 mm / 3.49 inches	88.7 mm / 3.49 inches
Width:	482 mm / 18.98 inches	482 mm / 18.98 inches
Depth:	482.4 mm / 18.99 inches	482.4 mm / 18.99 inches
Weight:	11 kg / 24.25 lbs	11 kg / 24.25 lbs
Part Number		
90-240 V EU	**12100084**	**12100083**
90-240 V US	**12100086**	**12100085**

X SERIES

High-power speakers designed for premium installations, offering exceptional intelligibility and durability in an IP55, UV-protected, and corrosion-resistant polyurethane enclosure

Robust, high-quality audio solutions ideal for both indoor and outdoor settings. Crafted from high-density polyurethane and shielded by aluminum grilles with waterproof layers, X Series ensures durability and clear sound in any environment. With flexible mounting options and adjustable directivity, X speakers deliver exceptional performance across a wide range of demanding fixed applications.

VERSATILITY FOR ANY APPLICATION

Focusing on heavy duty outdoor and indoor applications in large spaces, X Series speakers are capable of true, concert-level high performance in a compact and robust polyurethane enclosure, installed individually or coupled in array configurations. Featuring line source X 28L, and point source X 08 and X 40 speakers, all modules embed RCF Precision Transducers, horns, and waveguides for optimal coverage and clarity.

POLYURETHANE: THE ULTIMATE IN DURABILITY

Rigid structural polyurethane is a durable and stiff plastic, ideal for outdoor loudspeakers due to its excellent weather, UV and corrosion resistance, impact and abrasion durability, and lightweight properties. Its sound-insulating and low-vibration qualities enhance audio performance. These attributes make it a robust and versatile choice for outdoor speakers, ensuring longevity and quality performance in various environmental conditions.

FEATURES

- Up to 140 dB max SPL
- Up to 1200 W RMS power handling
- Neodymium Transducers
- CMD constant directivity coverage
- High quality structural polyurethane cabinet
- Aluminum grille backed with protective acoustic fabrics
- IP55 protection grade
- 4 pole barrier strip terminals

PRECISION TRANSDUCERS

RCF has over 75 years of experience in designing transducers, particularly moving coil loudspeakers. Their transducers are engineered for optimal power and sound purity, with minimal distortion and the ability to withstand extended use.

Weatherproof Two-Way Speakers

ALL-WEATHER PERFORMANCE

The single-piece cabinet is equipped with multiple inserts and a corrosion-treated steel U-bracket. Connections to the amplifier are made through a watertight multi-pole connector. The front aluminum grille is powder coated with water-repellent backing material, front logo is rotatable. All X series speakers meet IP55 standard requirements (International Protection Rating), suitable for indoor and outdoor applications.

APPLICATIONS

- Stadium and arenas
- Sports venues
- Swimming pools/SPA
- Leisure
- Seaside bars and nightclubs
- Outdoor dining

X 40

X 08

X 28L

SPECIFICATIONS

	X 40	X 28L	X 08
Acoustical specifications			
Frequency Response (-10dB):	50 Hz - 20 kHz	50 Hz - 20 kHz	70 Hz - 20 kHz
Max SPL @ 1m:	142 dB	140 dB	128 dB
Horizontal coverage angle:	110°	110°	100°
Vertical coverage angle:	60°	20°	100°
Power section			
Amplification:	Full Range	Full Range	Full Range
Nominal Impedance:	8 ohm	8 ohm	8 ohm
Power Handling:	1200 W RMS	800 W RMS	400 W RMS
Peak Power Handling:	4800 W PEAK	3200 W PEAK	1600 W PEAK
Protections:	Dynamic Active Mosfet	Dynamic Active Mosfet	Dynamic Active Mosfet
Crossover Frequencies:	750 Hz	750 Hz	2000 Hz
Recommended Amplifiers:	XPS 16K, XPS 16KD	XPS 16K, XPS 16KD	XPS 16K, XPS 16KD, DMA 504
Transducers			
Compression Driver:	1 x 1.4″ neo, 4.0″ v.c	1 x 1.4″ neo, 3.0″ v.c	1 x 1.0″ neo, 1.75″ v.c
Woofer:	2 x 10″ neo, 3.0″ v.c	2 x 8″ neo, 2.5″ v.c	8″ neo, 2.5″ v.c
Input/Output section			
Input connectors:	Screw Terminals	Screw Terminals	Screw Terminals
Output connectors:	Screw Terminals	Screw Terminals	Screw Terminals
Standard compliance			
IP protection grade:	IP 55	IP 55	IP 55
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material:	Structural Polyurethane	Structural Polyurethane	Structural Polyurethane
Hardware:	2 X M10 (sides)	Array fittings	2 x M10 (top-bottom), 2 x M10 (sides)
Grille:	Aluminum with waterproof clothing	Aluminum with waterproof clothing	Aluminum with waterproof clothing
Color:	Black - White	Black - White	Black - White
Size Height			
Height:	700 mm / 27.56 inches	290 mm / 11.42 inches	260 mm / 10.24 inches
Width:	280 mm / 11.02 inches	658 mm / 25.91 inches	436 mm / 17.17 inches
Depth:	250 mm / 9.84 inches	378 mm / 14.88 inches	251 mm / 9.88 inches
Weight:	22.5 kg / 49.60 lbs	24 kg / 52.91 lbs	11 kg / 24.25 lbs
Part Number	**13100121**	**13100107**	**13100105**

ACCESSORIES

FLB60670	13360670
Flybar Extension for X 28L	

FLB60669	13360669
Lightweight Flybar for X 28L	

FLB60666	13360666
Flybar for X 28L	

VBR60644	13360644
Vertical Brackets for X 08	

COMPACT C WP

Elegant design aesthetics, weatherproof capabilities, and RCF signature sound to deliver a pleasing audio experience in any application, from sports halls to nightclubs, corporate spaces, and performance venues. Engineered for outstanding performance in challenging environmental conditions, it ensures reliability and clarity in any outdoor setting.

SUPERIOR TRANSDUCERS

Lightweight and powerful, RCF transducers feature advanced materials such as neodymium magnets and pure titanium diaphragms. Both drivers and woofers are designed by RCF engineers in Italy for maximum reliability and perfectly matched components.

ADVANCED ELECTROACOUSTICS

The advanced design of COMPACT C speakers is the result of several refinements in transducers, crossovers, and vented ports design. The internal crossover frequency is set at a lower frequency than usual, resulting in a clear and accurate vocal reproduction, carefully protected by our Dynamic Active Mosfet circuitry. With the advanced design and sound shaping of the waveguide, the speaker provides constant directivity and perfect coverage to the entire listening area.

HIGH FREQUENCIES

The compression driver voice-coil design with titanium dome provides very natural sound with high power handling and the best durability over time. This allows lowering the usual crossover point for a perfect vocal performance at mid frequencies, also improving coupling with the low-frequency transducer.

LOW FREQUENCIES

Low-frequency transducer design gains more stability over higher currents, with less distortion, and is highly efficient in terms of heat dissipation. RCF quality control is very strict. RCF woofers are tested with a 200 hours continuous signal to stress the transducer at extreme levels.

FEATURES

- Up to 138 dB max SPL
- 48 - 20000 Hz frequency range
- 100° x 50° constant directivity coverage angle
- High quality birch plywood cabinet
- Steel front grille with waterproof clothing
- Installation points available on top, bottom, rear and side panels
- Amphenol eco|mate IP 67 connectors

CONSTANT DIRECTIVITY WAVEGUIDE

The special waveguide design allows the deployment of COMPACT C speakers with accurate control of the directional characteristics. In difficult acoustic environments, intelligibility is significantly increased. The speaker also features a 100° x 50° rotatable constant directivity waveguide. Using the optional HN-KIT COMPACT C 32 C 45 accessory, it is possible to replace the speaker horn with two different horns and change directivity to 100° x 25° or 60° x 25°.

Big Sound, Compact Size

LONG-LASTING DURABILITY

The weatherproof birch plywood cabinet is designed for robustness and reliability, making it ideal for demanding installed applications. Its textured polyurea coating provides exceptional scratch resistance and greater longevity compared to traditional finishes. The front steel grille is powder-coated and fitted with an acoustically transparent, water-repellent fabric.

THE SOLUTION FOR IMPRESSIVELY POWERFUL SOUND

COMPACT C flexibility makes it a smart choice for a wide range of applications. Combining high-quality birch plywood cabinets with a 100° x 50° rotatable constant directivity waveguide, the speaker can be installed either horizontally or vertically. The sleek cabinet features a robust polyurea coating and is easy to be flown-, wall-, or truss-mounted using the multiple rigging points available and optional accessories. The back panel provides two 'Neutrik Speakon NL4' (4-pole) plugs.

PERFECTLY TUNED POWER AMPS

Pairing RCF passive speakers with RCF High Power XPS DSP Amplifiers and recalling the relative speakers preset, the finely tuned FiRPHASE and Bass Motion Control processing will be enabled, accurately customized for your speaker model. When connected to XPS, RCF speakers deliver their best performance, acting as an ideal source for a detailed sound image, impressive power, and extended bass response.

COMPACT C 45 WP

COMPACT C 32 WP

SPECIFICATIONS

Acoustical specifications	COMPACT C 45 WP	COMPACT C 32 WP
Frequency Response:	48 Hz - 20000 Hz	54 Hz - 20000 Hz
Max SPL @ 1m:	138 dB	137 dB
Horizontal coverage angle:	100°	100°
Vertical coverage angle:	50°	50°
Directivity index Q:	10	10
System Sensitivity:	98 dB	97 dB
Power section		
Amplification:	Full Range	Full Range
Nominal Impedance:	8 ohm	8 ohm
Power Handling:	700 W RMS	600 W RMS
Peak Power Handling:	2800 W PEAK	2400 W PEAK
Protections:	Dynamic Active Mosfet	Dynamic Active Mosfet
Crossover Frequencies:	1100 Hz	1100 Hz
Recommended Amplifiers:	XPS 16K, XPS 16KD, QPS 10K, QPS 6.0K, IPS 5.0K, IPS 2.5K, IPS 1.5K, DMA 504	XPS 16K, XPS 16KD, QPS 10K, QPS 6.0K, IPS 5.0K, IPS 2.5K, IPS 1.5K, DMA 504
Transducers		
Compression Driver:	1 x 1.4″ neo, 4.0″ v.c	1 x 1.4″ neo, 3.0″ v.c
Woofer:	1 x 15″ neo, 4.0″ v.c	1 x 12″ neo, 3.5″ v.c
Input/Output section		
Input connectors:	Amphenol eco|mate IP 67	Amphenol eco|mate IP 67
Output connectors:	Amphenol eco|mate IP 67	Amphenol eco|mate IP 67
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Birch plywood	Birch plywood
Hardware:	4 x M8, 14 x M10	4 x M8, 14 x M10
Grille:	Steel with clothing	Steel with waterproof clothing
Color:	Black	Black
Size		
Height:	705 mm / 27.76 inches	620 mm / 24.41 inches
Width:	418.8 mm / 16.49 inches	361.8 mm / 14.24 inches
Depth:	460 mm / 18.11 inches	404 mm / 15.91 inches
Weight:	32.5 kg / 71.65 lbs	23.5 kg / 51.81 lbs
Part Number	**13000803**	**13000911**

ACCESSORIES

H-BR 001	13360535
Horizontal Brackets for Compact C 45 WP	

H-BR 003	13360538
Horizontal Brackets for Compact C 32 WP	

V-BR 001	13360541
Vertical Brackets for Compact C 45 WP	

V-BR 002	13360533
Vertical Brackets for Compact C 32 WP	

WM-BR 001	13360539
Wall Mount Brackets	

HN-KIT	13360505
Horn Kit	

S 29 WP & S 19 WP

Engineered with the latest transducer innovations from our laboratories and featuring a weatherproof design with IP67 connectors, S Series subwoofers deliver consistent, high-performance sound in any environmental condition. Despite its compact form factor, the S Series subwoofers provide powerful and impactful low-frequency reproduction, effortlessly handling even the most demanding program material.

S 19 and S 29 are high-power subwoofers suitable for high-powered applications. 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. An M20 pole mount adaptor on top of the cabinet and handles on both sides are provided. The enclosure can be ground-stacked and cardioid-arrayable for improved rear rejection. For enhanced weather resistance, the WP model features an acoustically transparent, water-repellent fabric discreetly embedded within the grille assembly and IP67 Amphenol Ecomate power connectors.

FEATURES

- Up to 3000 W power handling
- Up to 143 dB max SPL
- 25 - 200 Hz frequency range
- 19″ HyperVented Neodymium Woofer with 4'' v.c.
- High-quality polyurea-coated multi-ply cabinet
- Steel front grille with waterproof clothing
- M20 standard pole mount in top end of cabinet
- AMPHENOL IP67 in/out connectors

SPECIFICATIONS

|	S 29 WP	S 19 WP
Acoustical specifications		
Frequency Response (-10dB):	25 Hz - 200 Hz	30 Hz - 200 Hz
Max SPL @ 1m:	143 dB	139 dB
Transducers		
Woofer:	2 x 19″ neo, 4.0″ v.c	1 x 19″ neo, 4.0″ v.c
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 Amplifiers	XPS 16K, XPS 16KD	XPS 16K, XPS 16KD
Input/Output section		
Input connectors:	Amphenol eco|mate IP 67	Amphenol eco|mate IP 67
Output connectors:	Amphenol eco|mate IP 67	Amphenol eco|mate IP 67
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Handles:	CE compliant	CE compliant
Pole mount/Cap:	Yes	Yes
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:	85 kg / 187.39 lbs	44 kg / 97 lbs
Part Number	**13100108**	**13100117**

High-Power Bass Reflex Subwoofers

ADVANCED TRANSDUCER TECHNOLOGY

S Series 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 29 and S 19 produce powerful yet articulate bass, remaining true to even the most subtle low-frequency variations.

POLYUREA COATING

S Series enclosures are finished with a highly durable polyurea coating that provides excellent waterproofing and corrosion protection. The coating also withstands abrasion, impacts, mechanical stress, and its high elasticity maintains flexibility even in low temperatures. It also exhibits strong chemical resistance and does not emit any VOCs (volatile organic compounds), making it environmentally friendly and safe for human health.

S 29 WP
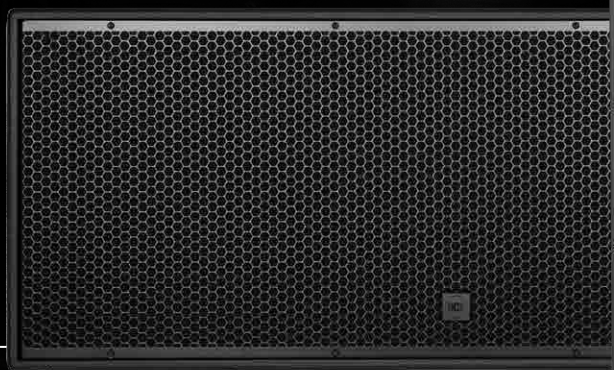
S 19 WP

MMR 30T

A discreet, wall-mounted speaker that seamlessly blends into any setting with premium sound quality. Its compact weatherproof design and refined finishes offer a sophisticated look, while an integrated transformer simplifies multi-zone audio integration. Ideal for users who need an elegant, reliable solution for both background music and clear announcements in both indoor and outdoor settings.

MMR 30T is a full-range wall-mount monitor speaker designed to meet a wide variety of needs in both indoor and outdoor applications. Thanks to its refined finishes and discreet design, it blends seamlessly into any architectural context. Featuring a 3" woofer and 10 W RMS power, this compact speaker also comes with an integrated transformer for connection to 100 V constant voltage lines. Its high-quality transducer guarantees faithful musical reproduction across the entire audio spectrum, reaching remarkable sound pressure levels for such a small device. The connection is simple and secure through removable two-pole screw terminals.

MULTIPURPOSE SOUND

With a frequency response from 200 Hz to 20 kHz and a maximum SPL of 101 dB, MMR 30T ensures clear audio for both background music and speech applications. MMR 30T seamlessly integrates with DMA series amplifiers, providing broad compatibility with the entire Business Music line for an expanded range of possible configurations.

FEATURES

- 10W RMS power handling
- 101 dB max SPL
- 200 - 20000 Hz frequency range
- 130° constant directivity conical coverage angle
- 3" full range transducer
- ABS body and aluminum grille
- Wall mount bracket included
- IP 55 protection grade
- 2 pole EUROBLOCK connector

SPECIFICATIONS

|	MMR 30T
Acoustical specifications	
Frequency Response (-10dB)	200 Hz - 20000 Hz
Max SPL @ 1m	101 dB
Coverage angle	130°
System Sensitivity	84 dB
Power section	
Amplification	Full Range
Nominal Impedance	16 ohm
Power Handling	10 W RMS
Peak Power Handling	40 W PEAK
Recommended Amplifiers	DMA 504, DMA 162, DMA 82, DMA 162P
Transducers	
Woofer	1 x 3.0"
Input/Output section	
Input connectors	Euroblock
Output connectors	Euroblock
Constant Voltage Transformer	100 V
Power selection 1	10 W - 1000 ohm
Power selection 2	5 W - 2000 ohm
Power selection 3	2.5 W - 4000 ohm
Power selection 4	1.25 W - 8000 ohm
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Cabinet/Case Material	ABS
Grille	Aluminum
Color	Black - White
Size Height	
Depth	96.3 mm / 3.79 inches
Recessed Depth	100.3 mm / 3.95 inches
Diameter	148.8 mm / 5.86 inches
Weight	0.66 kg / 1.46 lbs
Part Number	
Black	**13100114**
White	**13100113**

Micro Monitor Speaker

SMOOTH INSTALLATION

Built with a robust yet lightweight ABS enclosure, MMR 30T is engineered for easy and reliable mounting. Its minimal footprint allows for installation in tight spaces without compromising audio quality. The removable Euroblock input/output connectors offer straightforward wiring, while the availability of both black (RAL 9005) and white (RAL 9003) color options helps the speaker blend into a wide range of interior or exterior designs.

UNCOMPROMISED PERFORMANCE

Quality components and careful acoustic design ensure high fidelity and impressive dynamics in a variety of challenging acoustic environments. MMR 30T is built to deliver dependable, long-lasting performance—ideal for hospitality venues, shopping malls, offices, and leisure facilities. Its sturdy construction, elegant design, and versatility make it an excellent choice wherever premium, reliable sound reinforcement is required.
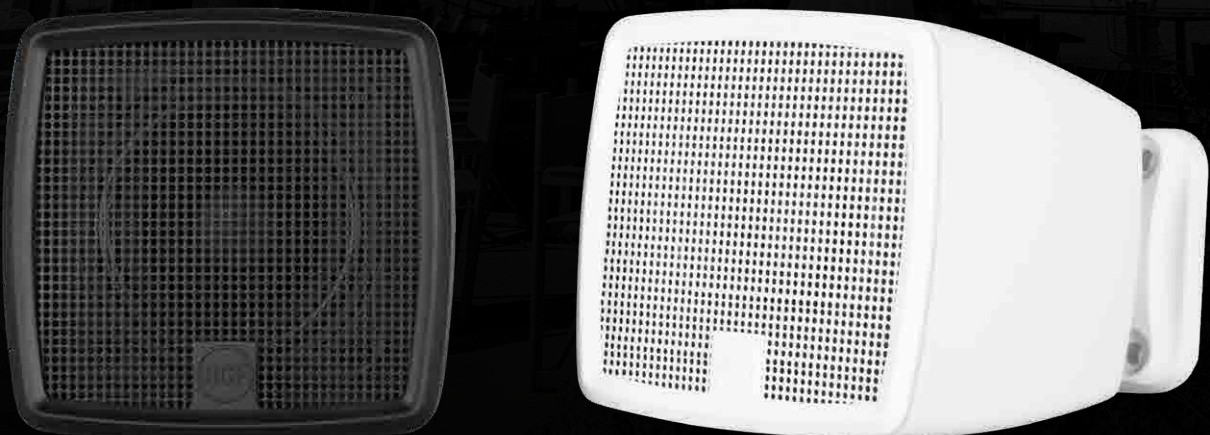
CMR-S 60T

Expanding the CMR Series speaker family, the CMR 60-S subwoofer delivers low-frequency support in a discreet, ceiling-mounted design, ideal for applications requiring high-quality musical output and impactful bass. With its elegant and unobtrusive design, CMR speakers seamlessly integrate into any building's aesthetic.

CMR-S 60T is a ceiling subwoofer, suitable for a wide range of applications. Thanks to its elegant and discreet design and refined finishes, it is suitable for all environmental and architectural conditions. Featuring a 6.5'' woofer and 80 W RMS power, it is also equipped with a transformer for connection to constant voltage lines (70/100 V). The high quality of its transducer guarantees faithful and precise low frequencies reproduction and allows to reach truly remarkable sound pressure levels for such compact product. The connection is simple and safe thanks to the removable four-pole screw terminals. The front grille is fixed by magnets and can therefore be easily removed to access the power rotary switch (the line transformer allows selection among five power rates).

POWERFUL LOWS

RCF subwoofers are the first choice of many sound engineers, due to their very high SPL levels at very low frequencies, smaller dimensions compared to the competitors, and impressive size/weight to SPL output ratio. Your audience will enjoy an engaging immersive musical experience.

FEATURES

- 80 W RMS power handling
- 109 dB max SPL
- 45 - 250 Hz frequency range
- 180° omnidirectional coverage angle
- 6.5″ high power woofer, 1.5″ v.c.
- Self extinguishing plastic body and metal backcan
- Steel magnetic front grille
- 4 pole EUROBLOCK connector (audio input and parallel link output)
- 5 different power levels selectable

SPECIFICATIONS

	CMR-S 60T
Acoustical specifications	
Frequency Response (-10dB)	45 Hz - 250 Hz
Max SPL @ 1m	109 dB
Coverage angle	180°
System Sensitivity	89 dB
Power section	
Amplification	Full Range
Nominal Impedance	8 ohm
Power Handling	80 W RMS
Peak Power Handling	320 W PEAK
Recommended Amplifiers	DMA 504, DMA 162, DMA 82, DMA 162P
Transducers	
Woofer	1 x 6.5″, 1.5″ v.c
Input/Output section	
Input connectors	Euroblock
Output connectors	Euroblock
Constant Voltage Transformer	70/100 V
Power selection 1	80 W - 125 ohm
Power selection 2	40 W - 250 ohm
Power selection 3	20 W - 500 ohm
Power selection 4	10 W - 1000 ohm
Power selection 5	5 W - 2000 ohm
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Hardware	Steel backcan
Color	White - RAL 9003
Size Height	
Depth	202 mm / 7.95 inches
Recessed Depth	193 mm / 7.6 inches
Diameter	300 mm / 11.81 inches
Cut out diameter	260 mm / 10.24 inches
Weight	4.5 kg / 9.92 lbs
Part Number	**13100112**

ACCESSORIES

|	
GRILLE KIT 4X CMR B	13360492
MUD RING 4X CMR	13360490
TILE BRIDGE 4X CMR	13360489

Ceiling Subwoofer

SMOOTH INSTALLATION

Housed in a compact self-extinguishing cabinet with a metal backcan, all models feature Euroblock inputs, a line transformer for 70V-100V systems, and quick and easy installation. Each model provides accessory options to increase flexibility. The front magnetic grille can be removed quickly and allows immediate action of the power selector on the front baffle.

UNCOMPROMISED PERFORMANCE

Quality components and careful acoustic design make the CMR Series a perfect choice for demanding applications. Designed for bars and restaurants, leisure hospitality, recreational facilities, theme parks, shopping malls, and corporate spaces.
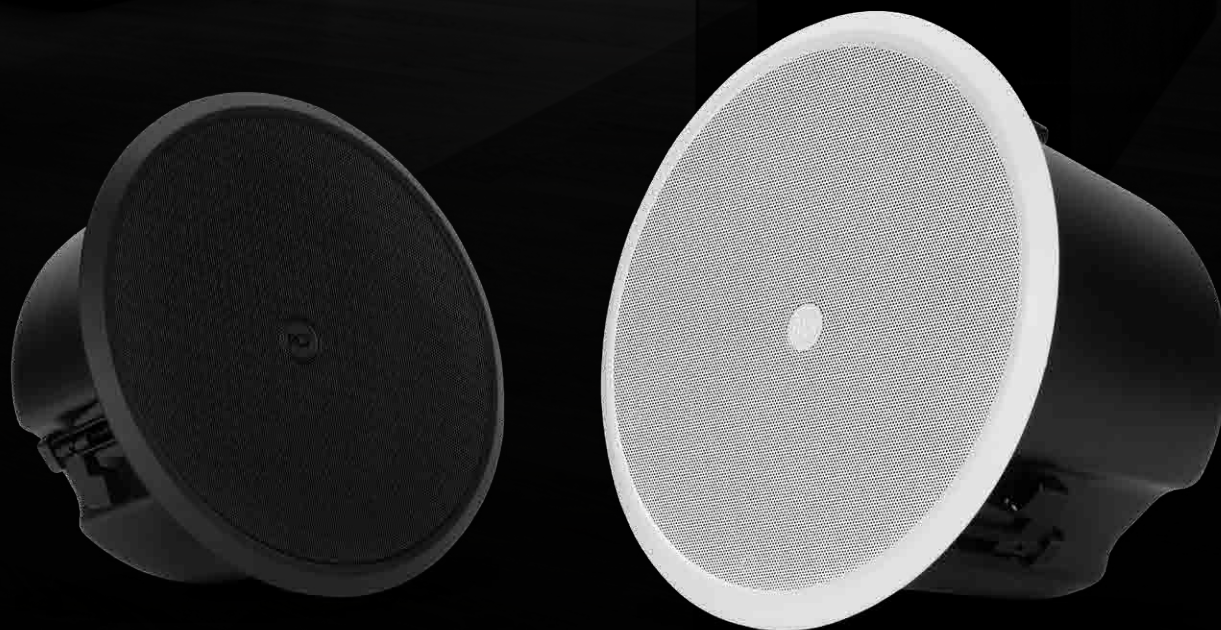
CMR 30

Full-range, in-ceiling speaker designed to meet a wide variety of needs, from delivering clear background music in retail spaces to ensuring intelligible speech in meeting rooms.

CMR 30 is a full-range, in-ceiling speaker designed to meet a wide variety of needs, from delivering clear background music in retail spaces to ensuring intelligible speech in meeting rooms. Thanks to its elegant, discreet design and accurate details, this multipurpose speaker effortlessly pairs with any building's aesthetic. The high-quality transducer guarantees precise reproduction across the entire frequency band and provides impressive sound pressure levels for such a compact loudspeaker. Additionally, the bottom passive radiator enhances low frequencies, making it ideal for music playback. Installation is straightforward using two clamps, and the magnetic grille—supplied in both white and black—offers a seamless finish.

MULTIPURPOSE SOUND

Music fosters engagement and hospitality in any social or shopping environment. With a 130° wide coverage angle, CMR 30 features a 2.5" transducer in combination with a passive radiator design, making it suitable for both speech and music reproduction. All products designed for Business Music applications provide optimal background performance and consistent tonal quality across the entire series, maintaining the same high-standard output even during high-powered foreground music. The modern monochrome styling and discreet design blend seamlessly into any environment.

FEATURES

- 15W RMS power handling
- 104 dB max SPL
- 70 - 20000 Hz frequency range
- Omnidirectional directivity
- 2.5" full range transducer
- Passive radiator for low frequencies emphasis
- Aluminum body
- 2 steel magnetic grilles included
- White - RAL 9003 and Black - RAL 9005
- Connection on push type terminals

SPECIFICATIONS

	CMR 30
Acoustical specifications	
Frequency Response (-10dB)	70 Hz - 20000 Hz
Max SPL @ 1m	104 dB
Coverage angle	130°
System Sensitivity	86 dB
Power section	
Amplification	Full Range
Nominal Impedance	16 ohm
Power Handling	15 W RMS
Peak Power Handling	60 W PEAK
Recommended Amplifiers	DMA 504, DMA 162, DMA 82, DMA 162P
Transducers	
Woofer	1 x 2.5", 1.0" v.c
Input/Output section	
Input connectors	Push Type Terminals
Output connectors	Push Type Terminals
Constant Voltage Transformer	70/100 V
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Color	White - RAL 9003 and Black - RAL 9005
Size Height	
Depth	68 mm / 2.68 inches
Recessed Depth	61 mm / 2.4 inches
Diameter	109 mm / 4.29 inches
Cut out diameter	86 mm / 0.82 inches
Weight	0.37 kg / 0.82 lbs
Part Number	
Black - White	**13100111**

Two-way Ceiling Monitor Speaker

SMOOTH INSTALLATION

Housed in a compact aluminum enclosure, CMR 30 features push-type terminal connectors, ensuring a quick and easy setup process. The front magnetic grille is simple to remove for maintenance and is available in both black and white in the package, allowing you to choose the finish that best suits the installation space.

UNCOMPROMISED PERFORMANCE

Quality components and meticulous acoustic engineering make the CMR Series an excellent choice for demanding applications. It is designed for diverse venues, including bars and restaurants, leisure hospitality, recreational facilities, theme parks, shopping malls, and corporate spaces, delivering reliable performance wherever clear and engaging audio is required.

S 08-A & S 08

The S Series features high-power subwoofers designed for installations requiring ultra-compact enclosures. The S 08-A active subwoofer—with a built-in mixer and power outputs—and its matching passive sub, the S 08, are ideal for high-quality multimedia and music playback in clubs, bars, cafes, theaters, and corporate settings.

The S 08-A is a self-powered, compact subwoofer system designed to deliver impactful performance in a space-saving enclosure, making it an ideal choice for clubs, bars, theaters, and corporate spaces. It features an 8" woofer, a powerful 4 x 250-watt amplifier, and a fully integrated mixer. Three power outputs allow driving two satellite speakers and an additional subwoofer. Bluetooth connectivity enables seamless audio streaming from any mobile device, complemented by traditional RCA, 4 combo inputs (2 mic), and 3.5mm jack inputs. The S 08-A offers eight equalization presets optimized for both music and voice reproduction. Specific crossover filter values ensure smooth integration with a wide range of RCF speaker models for maximum application flexibility.

ALL IN ONE SOLUTION

S 08-A is a self-powered music system providing all those features required for a complete environment sonorization. It features a four channel class D amplifier able to power the integrated 8'' woofer, 2 satellites lines for both mono and stereo applications, and an additional passive S 08 subwoofer. Line and mic inputs can be mixed in an optimized way balancing each single level.

INTEGRATED BLUETOOTH

Bluetooth connectivity allows audio streaming from any mobile device, and comes alongside traditional RCA, combo XLR and 3.5mm jack connectors.

FEATURES

- 4 x 250 W Class-D power amplifier
- 3 line inputs and 2 mic inputs
- On-board processing (8 different equalizations)
- 1 x 8″ high-power woofer
- Gain control for each input
- 6 pole EUROBLOCK connector
- High-quality plywood cabinet
- Steel front grille with clothing

HIGH POWER OUTPUT

Superior and incredible SPL levels both in open air at a long distance.

ULTRA DEEP BASS SOUND

The integrated subwoofer features a professional high power 8" woofer offering great bass sound and low frequency punch. A dedicated power output allows for connecting an additional S 08.
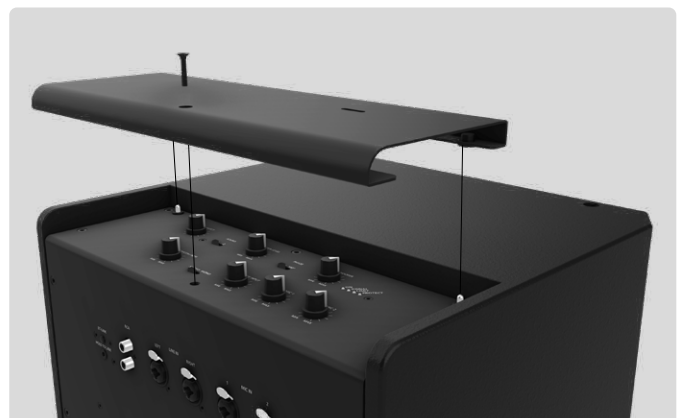
Four-channel Audio System

SPEAKER EQ

S 08-A offers 8 different equalizations, optimized for music and voice reproduction. Specific HI-PASS filter values allow to combine the system with a wide range of RCF speaker models, ensuring high application flexibility.

HIGH PERFORMANCE SYSTEM

Ideal for those installations where a great sound impact with physical small size is desired. The extended frequency response and efficient design make it capable to provide output levels normally associated with considerably larger enclosures.

SPECIFICATIONS

Acoustical specifications	S 08-A
Amplifier Class	D
Output Power	4 x 250 W @ 4 ohm 4 x 250 W @ 8 ohm
Frequency Response (-3dB)	20 Hz - 20000 Hz
Input section	
Total number of inputs	5
Mic inputs	2
Mic connectors	Combo XLR/Jack
Line inputs	3
Line connectors	Combo XLR/Jack, JACK, RCA
Output section	
Power output connectors	Euroblock
Processing	
DSP	Yes
EQ Filters	8 different equalizations, optimized for music and voice reproduction
Configuration and control	
Configuration	Front panel
Number of programs/presets	8
Protections	
Short circuit	Yes
Thermal	Yes
DC	Yes
Fuses	Yes
VHF (Very High Frequencies)	Yes
Audio sources	
Bluetooth	Yes
Power requirement	
Operating voltage	90-240 V~ 50/60Hz
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Cabinet/Case Material	Plywood
Grille	Steel with clothing
Color	Black
Size / Weight	
Height:	319 mm / 12.56 inches
Width:	370 mm / 14.57 inches
Depth:	337 mm / 13.27 inches
Weight:	10.2 kg / 22.49 lbs
Part Number	
90-240V	**13000936**

Acoustical specifications	S 08
Frequency Response (-10dB)	40 Hz - 160 Hz
Max SPL @ 1m	110 dB
System Sensitivity	92 dB
Power section	
Amplification	Full Range
Nominal Impedance	4 ohm
Power Handling	120 W RMS
Peak Power Handling	480 W PEAK
Recommended Amplifiers	IPS 2.5K, IPS 1.5K, DMA 504, DMA 162, DMA 162P
Transducers	
Woofer	1 x 8″, 1.5″ v.c
Input/Output section	
Input connectors	Euroblock
Output connectors	Euroblock
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Cabinet/Case Material	Plywood
Grille	Steel with clothing
Color	Black
Size / Weight	
Height:	319 mm / 12.56 inches
Width:	370 mm / 14.57 inches
Depth:	337 mm / 13.27 inches
Weight:	19.6 kg / 43.21 lbs
Part Number	
90-240V	**13000937**

Core Technologies

All new RCF powered speakers and DSP amplifiers are equipped with a high-quality internal audio engine for optimal performance and protection. Designed as a real-time DSP engine, it offers unparalleled processing density, enabling RCF speakers to deliver the best audio experience for the end user.

FiRPHASE

RCF speakers are designed using a proprietary and advanced digital FiR technology, conceived to deliver transparent sound, absolute clarity and perfect imaging 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.

PHASE MATTERS

The design of the FIR filter for this specific purpose starts from an accurate measurement of the loudspeaker phase. FiRPHASE algorithm uses this measurement and adapts 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 constraints. 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 the mid-low frequency with relatively small filters, reaching a higher resolution than that one as theory suggests.

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. The speaker equipped with BMC can handle the lowest audible frequencies without affecting the woofer stability, with extended linearity and better sound integrity.

MORE BASS. SAFE TRANSDUCERS.

The BMC method works by creating a complete map of the dynamic behavior of the woofer, to generate a custom algorithm that only limits over-excursions. This gives total freedom of signal reproduction to the transducer. When high-pass filters normally protect the woofer motion from becoming destructive but change the phase behavior, the new BMC algorithm breaks conventional rules.

RCF

www.rcf.it