

INSTALLED

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RCF Sound Culture

RCF is a leading technology brand of professional audio equipment, transducers, electronics, DSP, and custom solutions for any sound and any place. Established in Italy in 1949, RCF has been committed to the perfect reproduction and amplification of sound for events and concerts, recording, public address, broadcast, and portable audio. RCF has consistently transformed the pro-audio industry, developing components and products in-house to ensure maximum quality and reliability to the end-user. The comprehensive catalog covers all aspects of the audio chain to satisfy sound engineers, architects, and system integrators.



ADVANCED TECHNOLOGIES

Innovation comes first and foremost, thanks to the RCF R&D team, developers of many original products and technologies, such as the hyper-venting system, the inside/outside voice coil, the dual silicone spiders, and countless mechanical, digital, and leading-edge electronic solutions. RCF is one of the few loudspeaker companies worldwide that internally manufacture transducers, speaker systems, electronics, and software. All products feature RCF's exclusive designs and technologies such as the TRW True Resistive Waveguide, providing consistent horizontal and vertical pattern control through the usable frequency range. RCF exclusive LICC Low Inductance Compensated Crossover ensures exceptional audio performance and stability. Zero degrees phase alignment FIRPHASE technology for clarity and perfect sound image; matching amplification and control systems to fully optimize the high performance and long-term reliability RCF is renowned for. Passive speaker systems also include RCF built-in dynamic electronic protections.

The Installed Sound range represents a prominent chapter in the company's long history, continuously expanding one of the most comprehensive product portfolios offering dedicated integrated audio solutions with superior acoustic performance. This catalog includes speaker systems designed to meet all pro-audio contractors requirements for fixed installations like café or theme bars, retail outlets, places of worship, theatres, restaurants, live venues, dance clubs, theme parks, airports, hotels, railway stations, shopping malls, auditoriums, congress centers, sporting facilities, stadia, etc.



SUPPORT AND TRAINING

RCF is always at the forefront of technologies and materials research, providing tools, documentation, technical support to help professionals deliver optimized sound to the listener. Training activities for all audio professionals and enthusiasts draw into 70 years of experience and knowledge of its engineers. The internal support engineering team is on hand to assist architects, system designers, or integrators during the design and customization of complex systems. Tangible technical expertise, modern Italian manufacturing facilities, and the continuous technological refinement set RCF as an essential reference for all audio professionals and enthusiasts. RCF supports customers in its offices in the United States of America, France, Germany, Italy, Spain, the United Kingdom, and a network of more than hundreds of trusted distributors throughout the rest of the world.

HL SERIES

HORN LOADED TWO-WAY ARRAYS

The RCF HL Series is designed to provide high sensitivity, high output and directivity as required for larger scale installations.

Horn-loaded array systems can be easily converted from vertical installation mode to space saving horizontal placement. All speakers are equipped with RCF precision transducers and latest horn technology.
The RCF HL Series cabinets are constructed using the highest quality Baltic birch plywood and finished with an extremely resistant epoxy paint. The cabinets have a multi-trapezoid shape that helps double coupling array configurations. Extensive fly-ware positions are provided for ease of installation.

PRECISION TRANSDUCERS

With in-house transducers' design and manufacturing for no-compromise performances, the HL Series excels in any comparison. All transducers feature state of the art neodymium magnetic circuits, radically new voice coil ventilation systems, titanium compression drivers, and ground-breaking voice coil assemblies.

ARRAY FITTINGS

The HL SYSTEM is equipped with standard array fittings and IP 55 weather protection.







The cabinet is constructed of multi-ply Baltic birch marine plywood and finished in a very resistant, textured, polyurea black paint. The cabinet is equipped with 12 x M 8 brass inserts, a stainless steel U-Bracket and pair of spacers for 90° mounting.

The grille is in custom perforated aluminium with open-cell fibres and water repellent woven fabric backing.







Case Study

Darius and Girėnas Stadium. Kaunas, Lithuania

Link

SPECIFICATIONS







	HL 2290	HL 2260	HL 2240
Acoustical specifications			
Frequency Response (-10dB):	60 Hz - 20000 Hz	60 Hz - 20000 Hz	60 Hz - 20000 Hz
Frequency Response (-3dB):	80 Hz - 20000 Hz	80 Hz - 20000 Hz	80 Hz - 20000 Hz
Max SPL @ 1m:	141 dB	141 dB	141 dB
Horizontal coverage angle:	90°	60°	40°
Vertical coverage angle:	23°	22.5°	22.5°
Directivity index Q:	16	14	13
Power section			
Amplification:	Bi-Amp	Bi-Amp	Bi-Amp
Crossover Frequencies:	600 Hz	600 Hz	600 Hz
Nominal Impedance LF:	8 ohm	8 ohm	8 ohm
Power Handling LF:	1350 W	1350 W	1350 W
Peak Power Handling LF:	5400 W	5400 W	5400 W
Recommended Amplifier LF:	2700 W	2700 W	2700 W
Nominal Impedance HF:	8 ohm	8 ohm	8 ohm
Power Handling HF:	150 W	150 W	150 W
Peak Power Handling HF:	600 W	600 W	600 W
Transducers			
Compression Driver:	1 x 1.4” neo, 4.0” v.c	1 x 2.0” neo, 4.0” v.c	1 x 2.0” neo, 4.0” v.c
Woofer:	2 x 12”, 3.5” v.c	2 x 12”, 3.5” v.c	2 x 12”, 3.5” v.c
Input/Output section			
Input connectors:	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67
Output connectors:	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67	Amphenol eco/mat IP 67
Standard compliance			
IP protection grade:	IP 55	IP 55	IP 55
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material:	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood
Hardware:	Side and rear array rigging point	Side and rear array rigging point	Side and rear array rigging point
Grille:	Steel	Steel	Steel
Color:	Black	Black	Black
Size / Weight			
Height:	530 mm / 20.87 inches	530 mm / 20.87 inches	530 mm / 20.87 inches
Width:	771 mm / 30.35 inches	771 mm / 30.35 inches	771 mm / 30.35 inches
Depth:	635 mm / 25.00 inches	635 mm / 25.00 inches	635 mm / 25.00 inches
Weight:	69 kg / 152.12 lbs	70.4 kg / 155.21 lbs	69 kg / 152.12 lbs
Part Number	13000405	13000407	13000404
	AVAILABLE ON ORDER	AVAILABLE ON ORDER	AVAILABLE ON ORDER

ACCESSORIES

RIGGING / MOUNTING	
FL-B HL	13360282

Suspending bar for HL line array system for HL 2290, HL 2260 and HL 2240.

Link

HL 35-S & HL 6

COMPACT LINE ARRAY SYSTEM

Combined with robust rigging and a wide range of accessories, HL 6 and HL 35-S are perfect for installation in music venues, corporate spaces, and sports venues.

DESIGNED FOR INSTALLATION

The RCF HL 6 is an ultra-compact passive two-way full-range system for small and medium-sized spaces. The 1.75” neodymium compression driver with a constant-directivity waveguide design generates a horizontal constant-directivity coverage of 100 degrees over the entire vocal range with remarkable clarity. Two high-power 6” woofers deliver extended low-end up to 131 dB SPL for a wide range of applications, both alone, or in line-array configuration.



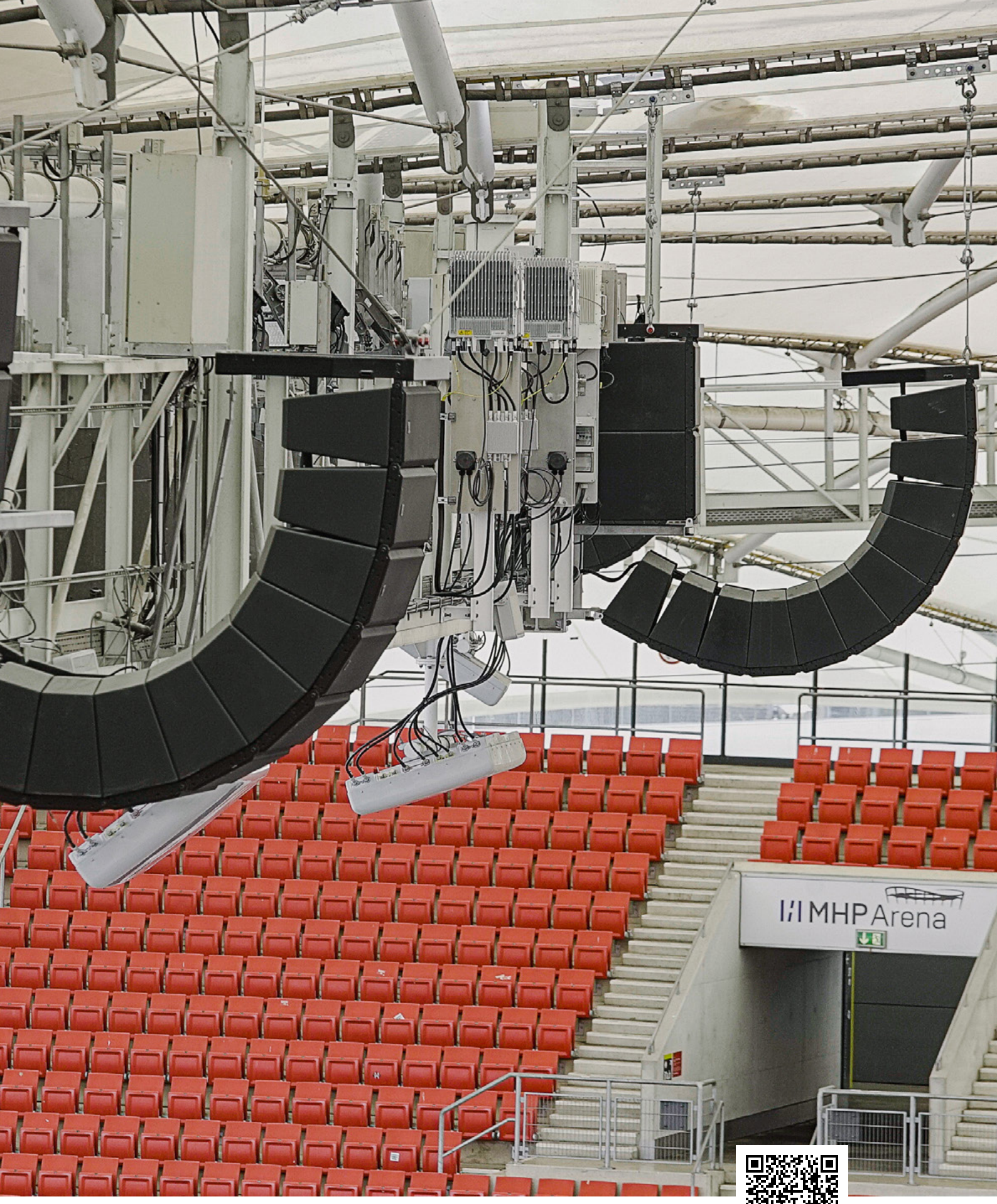
FLYABLE LIGHTWEIGHT 15” SUBWOOFER

Perfect for keeping the floor clear and maximizing the efficiency and coherence of the array, the low-frequency companion designed for the HL 6 is the high-performance flyable single 15” HL 35-S. The integrated fittings are both easy to use and reconfigurable, allowing the system engineer to extend the HL 6 lower range with one or multiple HL 35-S modules. It can be used attached to the flybar, on the floor, or stacked with the HL 6 on top. HL 35-S provides sound pressure and clarity that can replace antiquated, oversized sound systems with improved acoustic performance.

CABINET & MECHANICS

The hardware is designed for an easy and fast setup, completely compatibile with the HL 6 rigging. The heavy-duty front grille is powder coated. A special transparent-to-sound foam backing inside helps to further protect the transducers from dust. For weatherproof capabilities, a rain cover is available.





Case Study

MHP Arena. Stuttgart. Germany

Link

SPECIFICATIONS





	HL 35-S	HL 6
Acoustical specifications		
Frequency Response (-10dB):	40 Hz - 140 Hz	65 Hz - 20000 Hz
Max SPL @ 1m:	134 dB	131 dB
Horizontal coverage angle:	-	100°
Vertical coverage angle:	-	10°
Directivity index Q:	-	16
Power section		
Amplification:	Full Range	Full Range
Crossover Frequencies:	-	900 Hz
Nominal Impedance LF:	8 ohm	16 ohm
Power Handling:	900 W	250 W
Peak Power Handling:	3600 W PEAK	1000 W PEAK
Protections:	-	Dynamic Active Mosfet
Transducers		
Compression Driver:	-	1 x 1.0” neo, 1.75” v.c
Woofer:	1 x 15” neo, 4.0” v.c	2 x 6.0” neo, 2.0” v.c
Input/Output section		
Input connectors:	Speakon	Speakon
Output connectors:	Speakon	Speakon
Standard compliance		
Safety agency:	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material:	Baltic birch plywood	PP Composite
Hardware:	Integrated array mechanics	Integrated array mechanics
Handles:	On side panels	2 on the rear panel
Pole mount/Cap	M20 thread	-
Grille:	Steel	Steel
Color:	Black, White	Black, White
Size / Weight		
Height:	444.5 mm / 17.5 inches	237 mm / 9.33 inches
Width:	480 mm / 18.9 inches	470 mm / 18.5 inches
Depth:	508 mm / 20 inches	377 mm / 14.84 inches
Weight:	28 kg / 61.73 lbs	11.8 kg / 26.01 lbs
Part Number		
Black	13000732	13000726
White	13000945	13000944

ACCESSORIES

RIGGING / MOUNTING

AZM-BR 2X	13360351

Azimut bracket. 2 pieces. To be added for horizontal array control

CL-BR HDL 6	13360371

Clamp Bracket for HDL 6-A, HDL 26-A, HL 6 and HL 35-S.

FL-B HDL 6	13360360

Flybar for HDL 6-A; HDL 12-AS; HDL 26-A; HDL 35-AS + 1x Pickup Tab with Shackle + Stacking Bar + Pole Mount + M20 Adapter. Pins included.

FLB60696	13360696

Pickup Tab with Shackle for KX 4-A Series, HDL 6-A, HDL 12-AS, HDL 26-A, HDL 35-AS, HL 6 and HL 35-A.

FL-B LINK HDL 6-12 2X	13360375

Link bar for HDL 6-A and HDL 12-AS; HDL 26-A and HDL 35-AS; HL 6 and HL 35-S. Two pieces.

PM-KIT 3X HDL 6	13360377

Pole mount kit for 3 HDL 6-A or 3 HDL 26-A or 3 HL 6. Pins included. + Stacking Bar

QL-PIN 008	13360626

4 X Quick Lock Pin Kit

HOIST SPACING CHAIN CH 001	13360129

Hoist Connector Chain to distance the chain-hoist and the chain bag from the flybar.

AC PMX	13360232

Adjustable pole - maximum load 50Kg

PM-KIT M20	13360067 (B) 13360638 (W)

Adjustable pole for subwoofer

TRANSPORTATION

KRT-WH 6X HDL 6	13360366

Cart to store and transport up to 6 modules for HDL 6-A or HDL 26-A or HL 6.

Link

H 1315 WP

THREE WAY INDOOR/OUTDOOR HORN LOADED SPEAKER SYSTEM

Concert-level performance in indoor/outdoor arena-sized venues. All speakers features high quality transducers, horns, and waveguides for optimal coverage and clarity at every seat.

The H 1315 WP is a three-way full range loudspeaker system that incorporates a 15” woofer, a 10” midrange and a 1.4” exit titanium compression driver for long throw applications. The system is very compact and provides very high output and accurate voice and sound reproduction. The system is equipped with the latest generation of RCF precision transducers, all of them with powerful neodymium motors. The internal passive filter provides crossover and equalization between the midrange and the compression driver. The system is driven in bi-amped mode, is capable of producing a Max SPL of 136 dB and handles 900 Watts AES (LF) + 400 Watt AES (MF/HF). The loudspeaker enclosure shape is multi-trapezoidal and offers a double coupling angle each side. Connections to the amplifier are made through a watertight multi-pole connector. The grille is in custom perforated aluminum with open-cell fibers and water repellent woven fabric backing. The cabinet is constructed of multi-ply baltic birch plywood and finished in a very resistant, textured, polyurea black paint.

MADE-TO-ORDER ACCESSORIES

An example of RCF’s full customization: special cluster flybar for two units of H 1315 WP.

C-BR H 1315	33183006





	H 1315 WP
Acoustical specifications	
Frequency Response (-10dB):	50 Hz - 20000 Hz
Frequency Response (-3dB):	65 Hz - 20000 Hz
Max SPL @ 1m:	136 dB
Horizontal coverage angle:	60°
Vertical coverage angle:	40°
Directivity index Q:	12
Power section	
Amplification:	Bi-Amp
Crossover Frequencies:	Recommended 300 Hz
Nominal Impedance LF:	8 ohm
Power Handling LF:	900 W
Peak Power Handling LF:	3600 W
Sensitivity LF:	100 dB
Nominal Impedance MF+HF:	8 ohm
Power Handling MF+HF:	400 W
Peak Power Handling MF+HF:	1600 W
Sensitivity MF + HF:	108 dB
Protections MF+HF:	Active mosfet compression driver
Crossover Frequencies:	1300 Hz
Transducers	
Compression Driver:	1 x 1.4” neo, 3.0” v.c
Midrange:	10” neo, 3.0” v.c
Woofer:	15” neo, 4.0” v.c
Input/Output section	
Input connectors:	Amphenol eco/mat IP 67
Output connectors:	Amphenol eco/mat IP 67
Standard compliance	
Safety agency:	CE compliant
Physical specifications	
Cabinet/Case Material:	Baltic birch plywood
Hardware:	12 x M10 rigging point
Handles:	2 recessed
Grille:	Steel
Color:	Black
Size / Weight	
Height:	890 mm / 35.04 inches
Width:	519 mm / 20.43 inches
Depth:	632 mm / 24.88 inches
Weight:	114.64 lbs | 52 kg
Part Number	13000266
	AVAILABLE ON ORDER



Case Study

Parken Stadium. Copenhagen, Denmark

Link

HVL SERIES

LONG THROW THREE-WAY SYSTEM

Focusing on stadiums and big arenas, HVL Series speakers are capable of true, concert-level high performance in arena-sized venues.

Featuring point source, line source, and subwoofers speakers, all modules embed RCF Precision Transducers, horns, and waveguides for optimal coverage and clarity. The cabinet's design with coplanar woofers and horns produces identical left and right coverage, capable of delivering serious sonic horsepower within the stadium while maintaining intelligibility and even coverage at every seat.

CONSISTENT ROBUSTNESS

Reduce the commissioning time on your new projects with HVL's modular array-ability, multiple directivity indexes (Q), and small footprint in comparison to its power. HVL can lower overall system costs by delivering full coverage with fewer modules precisely matching the audience area. Rated for direct-exposure outdoor installations, each cabinet is made of Baltic birch plywood with polyurea coating and includes a weatherproof barrier strip for connections. The grille is powder-coated heavy-duty steel with open-cell fibers and water repellent woven-fabric backing.

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4PATH WAVEGUIDE

The custom 4 PATH-designed waveguide allows precise coverage while also delivering an excellent, linear high-frequency response. The unique shape of the four ducts forming the guide creates an ideal isophasic load from the vocal range up to the highest audible frequencies

PRECISION TRANSDUCERS

With in-house transducers' design and manufacturing for no-compromise performances, the HVL Series excels in any comparison. All transducers feature state of the art neodymium magnetic circuits, radically new voice coil ventilation systems, and ground-breaking voice coil assemblies.

LOW FREQUENCIES

2 x 15" high-power woofer, 3,5" inside/outside voice coil, dual spider, hypervented, neodymium magnet.

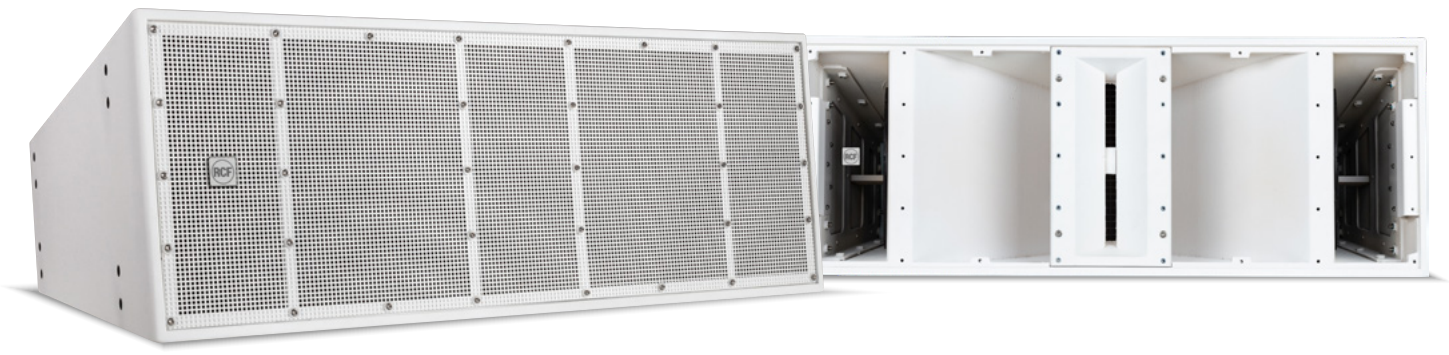
MID FREQUENCIES

2 x 10" neodymium midrange, 3" voice coil, high performance sealed basket design.

HIGH FREQUENCIES

2 x 4" neodymium compression driver, titanium dome, 4 slot phase plug, copper inductance ring for extended response.





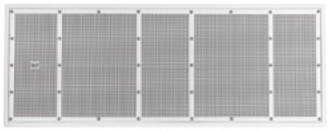


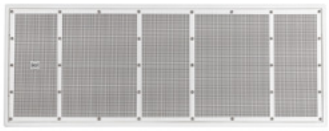
Case Study

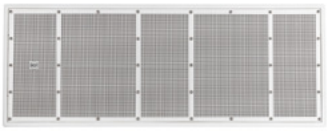
Paul Brown Stadium. Cincinnati. OH (USA)

Link

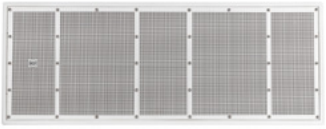
SPECIFICATIONS

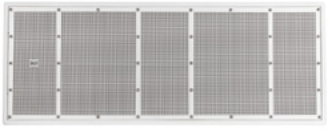






	HVL 15-L	HVL 15-L1	HVL 15-P
Acoustical specifications			
Frequency Response (-10dB)	43 Hz - 18000 Hz	43 Hz - 18000 Hz	43 Hz - 18000 Hz
Frequency Response (-3dB)	59 Hz - 13000 Hz	59 Hz - 13000 Hz	59 Hz - 13000 Hz
Max SPL @ 1m	147 dB	147 dB	148 dB
Horizontal coverage angle	90°	90°	45°
Vertical coverage angle	30°	30°	15°
Directivity index Q	12	12	18
Power section			
Amplification	Bi-Amp	Bi-Amp	Bi-Amp
Nominal Impedance LF	8 ohm	8 ohm	8 ohm
Power Handling LF	1000 W	1000 W	1000 W
Peak Power Handling LF	4000 W	4000 W	4000 W
Sensitivity LF	97 dB	97 dB	97 dB
Nominal Impedance LF2	-	-	-
Power Handling LF2	-	-	-
Peak Power Handling LF2	-	-	-
Sensitivity LF2	-	-	-
Nominal Impedance MF+HF	8 ohm	8 ohm	8 ohm
Power Handling MF+HF	900 W	900 W	900 W
Peak Power Handling MF+HF	3600 W	3600 W	3600 W
Sensitivity MF + HF	111 dB	111 dB	111 dB
Protections MF+HF	Dynamic Active Mosfet	Dynamic Active Mosfet	Dynamic Active Mosfet
Crossover Frequencies	1000 Hz	1000 Hz	1000 Hz
Transducers			
Compression Driver	2 x 1.4" neo, 4.0" v.c	2 x 1.4" neo, 4.0" v.c	2 x 1.4" neo, 4.0" v.c
Midrange	2 x 10" neo, 3.0" v.c	2 x 10" neo, 3.0" v.c	2 x 10" neo, 3.0" v.c
Woofer	2 x 15" neo, 3.5" v.c	2 x 15" neo, 3.5" v.c	2 x 15" neo, 3.5" v.c
Input/Output section			
Input connectors	Screw Terminals	Screw Terminals	Screw Terminals
Output connectors	Screw Terminals	Screw Terminals	Screw Terminals
Standard compliance			
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood
Hardware	n° 8 x M20 on each side panel n° 8 x M20 on top and bottom panels	n° 8 x M20 on each side panel n° 8 x M20 on top and bottom panel	n° 8 x M20 on each side panel n° 8 x M20 on top and bottom panel
Grille	Steel	Steel	Steel
Color	White, Black	White, Black	White, Black
Size / Weight			
Height:	525 mm / 20.67 inches	525 mm / 20.67 inches	525 mm / 20.67 inches
Width:	1382 mm / 54.41 inches	1380 mm / 54.33 inches	1382 mm / 54.41 inches
Depth:	815 mm / 32.09 inches	734 mm / 28.9 inches	815 mm / 32.09 inches
Weight:	110 kg / 242.51 lbs	110 kg / 242.51 lbs	115 kg / 253.53 lbs
Part Number	13000640	13000701	13000565
	AVAILABLE ON ORDER	**AVAILABLE ON ORDER**	**AVAILABLE ON ORDER**





HVL 15-P1	HVL 15-S
43 Hz - 18000 Hz	33 Hz - 180 Hz
59 Hz - 13000 Hz	40 Hz - 150 Hz
148 dB	133 dB
60°	-
30°	-
15	-
Bi-Amp	Bi-Amp
8 ohm	8 ohm
1000 W	1500 W
4000 W	6000 W
97 dB	97 dB
-	8 ohm
-	1500 W
-	6000 W
-	97 dB
8 ohm	-
900 W	-
3600 W	-
111 dB	-
Dynamic Active Mosfet	-
1000 Hz	-
2 x 1.4” neo, 4.0” v.c	-
2 x 10” neo, 3.0” v.c	-
2 x 15” neo, 3.5” v.c	2 x 15”, 4.0” v.c
Screw Terminals	Screw Terminals
Screw Terminals	Screw Terminals
CE compliant	CE compliant
Baltic birch plywood	Baltic birch plywood
n° 8 x M20 on each side panel n° 8 x M20 on top and bottom panel	n° 8 x M20 on each side panel n° 8 x M20 on top and bottom panel
Steel	Steel
White, Black	White, Black
525 mm / 20.67 inches	525 mm / 20.67 inches
1380 mm / 54.33 inches	1380 mm / 54.33 inches
734 mm / 28.9 inches	734 mm / 28.9 inches
110 kg / 242.51 lbs	110 kg / 242.51 lbs
13000700	13000705
AVAILABLE ON ORDER	**AVAILABLE ON ORDER**

Link

X SERIES

TWO-WAY WEATHERPROOF PROFESSIONAL SPEAKERS

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 array and point source speakers, all modules embed RCF Precision Transducers, horns, and waveguides for optimal coverage and clarity.

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.

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.

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.





Case Study

Yokohama Stadium. Yokohama, Japan.

Link





SPECIFICATIONS

	X 40	X 28L
Acoustical specifications		
Frequency Response (-10dB):	50 Hz - 20000 Hz	50 Hz - 20 kHz
Max SPL @ 1m:	142 dB	140 dB
Horizontal coverage angle:	110°	110°
Vertical coverage angle:	60°	20°
Power section		
Amplification:	Full Range	Full Range
Nominal Impedance:	8 ohm	8 ohm
Power Handling:	1200 W RMS	800 W RMS
Peak Power Handling:	4800 W PEAK	3200 W PEAK
Protections:	Dynamic active mosfet	Dynamic Active Mosfet
Crossover Frequencies:	750 Hz	750 Hz
Transducers		
Compression Driver:	1 x 1.4” neo, 4.0” v.c	1 x 1.4” neo, 3.0” v.c
Woofer:	2 x 10” neo, 3.0” v.c	2 x 8” neo, 2.5” v.c
Input/Output section		
Input connectors:	Screw Terminals	Screw Terminals
Output connectors:	Screw Terminals	Screw Terminals
Standard compliance		
IP protection grade:	IP 55	IP 55
Safety agency:	CE compliant	CE compliant
EN54-24 certified:	0068-CPR-254/2026	0068-CPR-254/2026
Physical specifications		
Cabinet/Case Material:	Structural Polyurethane	Structural Polyurethane
Hardware:	Wall mount vertical bracket included 2 x M10 (top) - 2 x M10 (back)	Array fittings
Grille:	Aluminum with water-repellent protection	Aluminum with water-repellent protection
Color:	Black - RAL 9005	Black - RAL 9005
Size / Weight		
Height:	710 mm / 27.95 inches	290 mm / 11.42 inches
Width:	311 mm / 12.24 inches	658 mm / 25.91 inches
Depth:	270 mm / 10.63 inches	378 mm / 14.88 inches
Weight:	25 kg / 55.12 lbs	24 kg / 52.91 lbs
Part Number		
Black	13100121	13100107
White	13100129	13100128



X 08
70 Hz - 20 kHz
128 dB
100°
100°
Full Range
8 ohm
400 W RMS
1600 W PEAK
Dynamic Active Mosfet
2000 Hz
1 x 1.0” neo, 1.75” v.c
8" neo, 2.5" v.c
Screw Terminals
Screw Terminals
IP 55
CE compliant
0068-CPR-254/2026
Structural Polyurethane
Horizontal bracket included 2 x M10 (top-bottom), 2 x M10 (sides)
Aluminum with water-repellent protection
Black - RAL 9005
260 mm / 10.24 inches
436 mm / 17.17 inches
251 mm / 9.88 inches
9.95 kg / 21.94 lbs
13100105
13100127

ACCESSORIES

RIGGING / MOUNTING

FLB60670 (black)	13360670
FLB60791 (white)	13360791

Extension for X 28L line array system fly-bar.

FLB60669 (black)	13360669
FLB60790 (white)	13360790

Light fly-bar for X 28L line array system. Up to 16 modules can be fastened on a single fly-bar.

FLB60666 (black)	13360666
FLB60789 (white)	13360789

Fly-bar for X 28L line array system. Up to 16 modules can be fastened on a single fly-bar.

VBR60644 (black)	13360644
VBR60788 (white)	13360788

VBR60644 is a vertical bracket suitable to suspend X 08 speaker. It features robust desig allowing to mount the speaker on a wall, ceiling, or truss in vertical configuration. The adjustable inclination allows obtaining the desired sound coverage.

VBR60749 (black)	13360749
VBR60792 (white)	13360792

VBR60749 is a vertical bracket suitable to suspend X 40 speaker. It features robust desig allowing to mount the speaker on a wall, ceiling, or truss in vertical configuration. The adjustable inclination allows obtaining the desired sound coverage.

Link

COMPACT C SERIES

TWO-WAY PROFESSIONAL SPEAKERS

Elegant design aesthetics, RCF reliability and signature sound, delivering a pleasing audio experience in any application, from sports halls to nightclubs, corporate spaces, and performance venues. 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.

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.

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.

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.

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°.

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.

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.





Case Study

Goodnight Nashville. Nashville, Tennessee (USA)

Link

SPECIFICATIONS






	COMPACT C 45	COMPACT C 45 WP	COMPACT C 32	COMPACT C 32 WP
Acoustical specifications				
Frequency Response (-10dB)	48 Hz - 20000 Hz	48 Hz - 20000 Hz	54 Hz - 20000 Hz	54 Hz - 20000 Hz
Max SPL @ 1m	138 dB	138 dB	137 dB	137 dB
Horizontal coverage angle	100°	100°	100°	100°
Vertical coverage angle	50°	50°	50°	50°
Directivity index Q	10	10	10	10
System Sensitivity	98 dB	98 dB	97 dB	97 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	700 W RMS	700 W RMS	600 W RMS	600 W RMS
Peak Power Handling	2800 W PEAK	2800 W PEAK	2400 W PEAK	2400 W PEAK
Protections	Dynamic Active Mosfet	Dynamic Active Mosfet	Dynamic Active Mosfet	Dynamic Active Mosfet
Crossover Frequencies	1100 Hz	1100 Hz	1100 Hz	1100 Hz
Transducers				
Compression Driver:	1 x 1.4” neo, 4.0” v.c	1 x 1.4” neo, 4.0” v.c	1 x 1.4” neo, 3.0” v.c	1 x 1.4” neo, 3.0” v.c
Woofer:	1 x 15” neo, 4.0” v.c	1 x 15” neo, 4.0” v.c	1 x 12” neo, 3.5” v.c	1 x 12” neo, 3.5” v.c
Input/Output section				
Input connectors:	Speakon	Amphenol eco/mat IP 67	Speakon	Amphenol eco/mat IP 67
Output connectors:	Speakon	Amphenol eco/mat IP 67	Speakon	Amphenol eco/mat IP 67
Standard compliance				
IP protection grade	IP 21C	IP 55	IP 21C	IP 55
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
EN54-24 certified	Yes	Yes	Yes	Yes
CPR number	0068-CPR-234/2025	0068-CPR-234/2025	0068-CPR-234/2025	0068-CPR-234/2025
Physical specifications				
Cabinet/Case Material	Birch plywood	Birch plywood	Birch plywood	Birch plywood
Hardware	4 x M8, 14 x M10	4 x M8, 14 x M10	4 x M8, 14 x M10	4 x M8, 14 x M10
Grille	Steel with clothing	Steel grille with water-repellent protection	Steel with clothing	Steel grille with water-repellent protection
Color	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005
Size / Weight				
Height:	705 mm / 27.76 inches	705 mm / 27.76 inches	620 mm / 24.41 inches	620 mm / 24.41 inches
Width:	418.8 mm / 16.49 inches	418.8 mm / 16.49 inches	361.8 mm / 14.24 inches	361.8 mm / 14.24 inches
Depth:	460 mm / 18.11 inches	460 mm / 18.11 inches	404 mm / 15.91 inches	404 mm / 15.91 inches
Weight:	32.5 kg / 71.65 lbs	32.5 kg / 71.65 lbs	23.5 kg / 51.81 lbs	23.5 kg / 51.81 lbs
Part Number	13000602	13000803	13000642	13000911

ACCESSORIES

RIGGING / MOUNTING

FLB60742	13360742

FLB60742 is a kit of 2 brackets designed for hanging a COMPACT C 32 speaker under a S 19 subwoofer. The kit must be used in combination with FLB60676 suspension bar, FLB60720 and FLB60673 brackets. Suitable also for WP versions.

HBR60706	13360706

Pair of brackets for 15” cabinets horizontal wall mounting.

HBR60703	13360703

Pair of brackets for 12” cabinets horizontal wall mounting.

V-BR 001	13360541

Pair of brackets for 15” cabinets vertical wall mounting.

V-BR 002	13360533

Pair of brackets for 15” cabinets vertical wall mounting.

WM-BR 001	13360539

Bracket for speakers wall mounting.

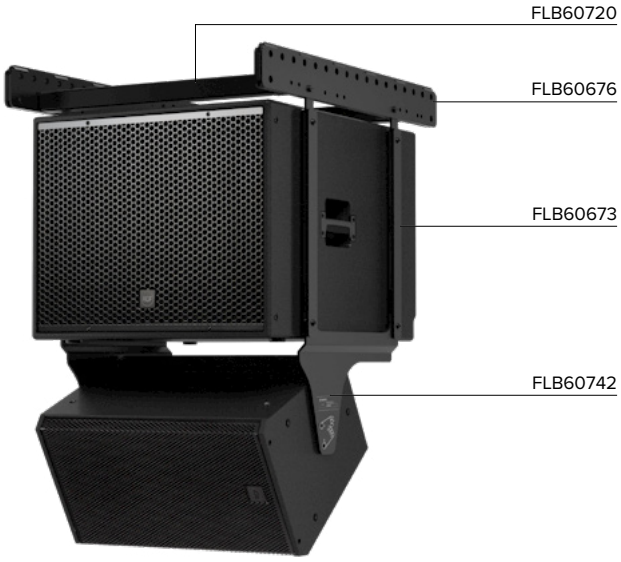
UPGRADE KITS

PNL IN-OUT AMPHENOL	12399063

Connectors Optional Panel Ip 67.

HN-KIT COMPACT C 32 C 45	13360505

HN-KIT allows to change COMPACT C 32 and COMPACT C 45 speakers' directivity from 100° x 50° to 100° x 25° or 60° x 25°.



Link

COMPACT SERIES

TWO-WAY PRECISION FULL-RANGE SPEAKERS

Highly advanced range of passive two-way direct radiating speaker systems designed to guarantee concert-quality sound in install applications.

ENGINEERED FOR DEMANDING INSTALLATION ENVIRONMENTS

The COMPACT Series is purpose-built for near to mid-field fixed installations requiring uncompromising sonic clarity, controlled directivity, and the reliability of a professional touring-grade loudspeaker. Each model delivers high output, wide bandwidth, and precise vocal intelligibility, making the series an ideal choice for clubs, theatres, houses of worship, educational facilities, and corporate AV systems. The entire series is certified EN 54-24:2008, ensuring compliance for voice-alarm and emergency communication systems. The WP weatherproof versions further extend installation flexibility, offering IP55-rated protection for outdoor and harsh-environment applications.

AMCDP PROTECTION FOR HIGH-FREQUENCY INTEGRITY

RCF's AMCDP – Active MOSFET Compression Driver Protection provides advanced real-time safeguarding of the high-frequency driver. By continuously monitoring power flow and dynamically reacting to overload conditions, AMCDP preserves both the longevity and the acoustic purity of the HF section, maintaining maximum clarity even at sustained high output levels.

UNIFORM COVERAGE WITH CMD CONSTANT MATCHING DESIGN

Every COMPACT model adopts RCF's CMD – Constant Matching Design, a horn-and-woofer geometry engineered for continuity in both tonal balance and dispersion. This ensures that the crossover region maintains a stable directivity pattern, delivering smooth, predictable coverage in any orientation. The rotatable horn allows horizontal or vertical installation without impacting performance, offering maximum flexibility for system designers and integrators.

ACOUSTIC REFINEMENT WITH INSTALLATION-GRADE DURABILITY

The COMPACT Series pairs high-efficiency transducers with carefully tuned enclosures for powerful, defined low-frequency response and articulate mids. The internal LICC – Low Impedance Compensated Crossover network further reduces phase distortion and enhances transient response. Premium birch-ply cabinets, reinforced mounting points, and a full suite of accessories make the series perfectly suited for professional installation environments where stability, aesthetics, and long-term reliability are essential.





Case Study

Exile. Cologne, Germany

Link

SPECIFICATIONS






	C 5215-W MKIII	C 5212-W MKIII	C 3110-126	C 3110-96
Acoustical specifications				
Frequency Response (-10dB)	48 Hz - 20000 Hz	54 Hz - 20000 Hz	67 Hz - 20000 Hz	67 Hz - 20000 Hz
Max SPL @ 1m	133 dB	132 dB	128 dB	128 dB
Horizontal coverage angle	90°	90°	120°	90°
Vertical coverage angle	40°	40°	60°	60°
Directivity index Q	14	13	9	11
System Sensitivity	100 dB	99 dB	97 dB	97 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	500 W	500 W	300 W	300 W
Peak Power Handling	2000 W PEAK	2000 W PEAK	1200 W PEAK	1200 W PEAK
Protections	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet
Crossover Frequencies	1200 Hz	2000 Hz	2200 Hz	2200 Hz
Transducers				
Compression Driver:	1.4”, neo 2.5” v.c	1 x 1.4” neo, 2.5” v.c	1.0”, 1.5” v.c	1.0”, 1.5” v.c
Woofer:	15”, 3.0” v.c	1 x 12”, 3.0” v.c	10”, 2.0” v.c	10”, 2.0” v.c
Input/Output section				
Input connectors:	Speakon® NL4	Speakon® NL4	Speakon® NL4	Speakon® NL4
Output connectors:	Speakon® NL4	Speakon® NL4	Speakon® NL4	Speakon® NL4
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	9 x M10 inserts	9 x M10 inserts	8 x M8 (rear), 2 x M10 (lateral), multiplates (top and bottom)	8 x M8 (rear), 2 x M10 (lateral), multiplates (top and bottom)
Pole mount/Cap	35 mm insert	35 mm insert	M20 thread	M20 thread
Grille	Steel	Steel	Steel with robust double mesh polyester clothing	Steel with robust double mesh polyester clothing
Color	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005
Size / Weight				
Height:	669 mm / 26.34 inches	601 mm / 23.66 inches	500 mm / 19.69 inches	500 mm / 19.69 inches
Width:	408 mm / 16.06 inches	364 mm / 14.33 inches	300 mm / 11.81 inches	300 mm / 11.81 inches
Depth:	450 mm / 17.72 inches	385 mm / 15.16 inches	298 mm / 11.73 inches	298 mm / 11.73 inches
Weight:	30 kg / 66.14 lbs	23 kg / 50.71 lbs	15.8 kg / 34.83 lbs	16 kg / 35.27 lbs
Part Number	13000660	13000603	13000284	13000283
	AVAILABLE ON ORDER	**AVAILABLE ON ORDER**	**AVAILABLE ON ORDER**	





C 3108-126	C 3108-96
70 Hz - 20000 Hz	70 Hz - 20000 Hz
126 dB	126 dB
120°	90°
60°	60°
9	10
95 dB	95 dB
Full Range	Full Range
8 ohm	8 ohm
300 W	300 W
1200 W PEAK	1200 W PEAK
Dynamic active mosfet	Dynamic active mosfet
2000 Hz	2000 Hz
1.0", 1.5" v.c	1.0", 1.5" v.c
8", 2.0" v.c	8", 2.0" v.c
Speakon® NL4	Speakon® NL4
Speakon® NL4	Speakon® NL4
CE compliant	CE compliant
Baltic birch plywood	Baltic birch plywood
6 x M8 (rear), 2 x M10 (side), multiplates (top and bottom)	6 x M8 (rear), 2 x M10 (side), multiplates (top and bottom)
M20 thread	M20 thread
Steel with robust double mesh polyester clothing	Steel with robust double mesh polyester clothing
Black - RAL 9005	Black - RAL 9005
427 mm / 16.81 inches	427 mm / 16.81 inches
242 mm / 9.53 inches	242 mm / 9.53 inches
263 mm / 10.35 inches	263 mm / 10.35 inches
12 kg / 26.46 lbs	12.2 kg / 26.9 lbs
13000282	13000281
AVAILABLE ON ORDER	

ACCESSORIES

RIGGING / MOUNTING

CL-BR NC	13360217

Pipe clamp accessory to mount C3108-96, C3108-126, C3110-96 and C3110-126.

FL-BR NC 06-08-10	13360200

Flying bracket accessory to mount C3108-96, C3108-126, C3110-96 and C3110-126.

H-BR 2X NC08	13360190

Pair of brackets for mounting C3108-96 and C3108-126 speakers on the wall.

SWM-BR NC	13360199

Swivel bracket for speakers wall mounting.

V-BR 2X NC08	13360195

Pair of brackets for mounting C3108-96 and C3108-126 speakers on the wall.

H-BR 2X NC10	13360191

Pair of brackets for mounting C3110-96 and C3110-126 speakers on the wall.

V-BR 2X NC10	13360196

Pair of brackets for mounting C3110-96 and C3110-126 speakers on the wall.

Link

COMPACT M SERIES

MULTIPURPOSE TWO-WAY FULL-RANGE SPEAKER SYSTEM

Suitable for a wide range of applications. Its sound quality and compactness combine with an elegant design and accurate finishing to make the COMPACT M series the perfect choice for any environment. Excellent acoustic performance for both background and foreground music.

Engage your audience with this multipurpose two-way passive speaker series, ideal for a wide range of installed applications. The sound quality and the neutral design make COMPACT M series suited to every environment, providing excellent acoustic performance for both background and foreground music. With a complete range of solid wood cabinets, multiple rigging points and accessories, installation time is minimal.

IMPROVE THE AUDIO ATMOSPHERE

Music supports engagement and improves the feeling of hospitality in the environment, especially if the perceived sound quality is higher. RCF's Compact M Series is designed specifically for optimal performance in both background music and high-powered foreground audio.

ENGAGE YOUR CUSTOMERS

Compact dimensions and an impressive ratio of size/weight to SPL output: Let your audience enjoy an immersive musical experience.

WIDE COVERAGE, ELEGANT DESIGN

Smooth and wide frequency response with constant coverage, thanks to the CMD wave-guided compression driver.

SMOOTH INSTALLATION

COMPACT M speakers embody the functionality and style you expect of Italian design, always in harmony with the installation environment. Available in a wide range of models for all sizes and power levels, the Compact M series gives you the optimal combination to match with any coverage need. Moreover, the rotatable horn and RCF logo allow both vertical and horizontal speaker installation.

All models are built of high-quality wood, with multiple rigging points for a convenient flying/hanging installation. Thanks to the range of accessories, installation time is minimal. If needed, the EUROBLOCK connection panel can be replaced with a female Neutrik SpeakON one.

THE TRANSDUCERS INNOVATORS

High sensitivity and Hi-Fi sound quality with meticulously selected components.

OPTIMAL SOUND PERFORMANCE

The available SPL level and low distortion characteristics go way beyond what is usually expected of a compact solution.





Case Study

Hard Rock Cafe. Dubrovnik, Croatia

Link

SPECIFICATIONS



	COMPACT M 12	COMPACT M 10	COMPACT M 08	COMPACT M 06
Acoustical specifications				
Frequency Response (-10dB)	55 Hz - 20000 Hz	60 Hz - 20000 Hz	60 Hz - 20000 Hz	60 Hz - 20000 Hz
Max SPL @ 1m	129 dB	128 dB	124 dB	116 dB
Horizontal coverage angle	90°	90°	90°	120°
Vertical coverage angle	70°	70°	70°	80°
Directivity index Q	9	9	9	7
System Sensitivity	98 dB	98 dB	95 dB	90 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	300 W	300 W	200 W	100 W
Peak Power Handling	1200 W PEAK	1200 W PEAK	800 W PEAK	400 W PEAK
Protections	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet
Crossover Frequencies	1800 Hz	1800 Hz	1800 Hz	2200 Hz
Transducers				
Dome Tweeter	1 x 1.0”, 1.4” v.c	1 x 1.0”, 1.4” v.c	1 x 1.0”, 1.4” v.c	1 x 1.3” neo, 1.0” v.c
Woofer:	1 x 12”, 2.5” v.c	1 x 10”, 2.5” v.c	1 x 8”, 1.7” v.c	1 x 6.0”, 1.5” v.c
Input/Output section				
Input connectors:	Euroblock	Euroblock	Euroblock	Euroblock
Output connectors:	Euroblock	Euroblock	Euroblock	Euroblock
Standard compliance				
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material	Plywood	Plywood	Plywood	Plywood
Hardware	8 x M8, 8 x M10	8 x M8, 8 x M10	6 x M6, 4 x M8, 2 x M10	4 x M6, 2 x M8
Grille	Steel with clothing	Steel with clothing	Steel with clothing	Steel with clothing
Color	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003
Size / Weight				
Height:	620 mm / 24.41 inches	510 mm / 20.08 inches	442 mm / 17.4 inches	365 mm / 14.37 inches
Width:	362 mm / 14.25 inches	295 mm / 11.61 inches	257 mm / 10.12 inches	211 mm / 8.31 inches
Depth:	404 mm / 15.91 inches	325 mm / 12.8 inches	284 mm / 11.18 inches	232 mm / 9.13 inches
Weight:	22 kg / 48.5 lbs	17 kg / 37.48 lbs	10.5 kg / 23.15 lbs	5.5 kg / 12.13 lbs
Part Number				
Black	13000596	13000595	13000594	13000582
White	13000724	13000723	13000722	13000721





COMPACT M 05	COMPACT M 04
70 Hz - 20000 Hz	90 Hz - 20000 Hz
115 dB	113 dB
120°	120°
80°	120°
7	6
89 dB	89 dB
Full Range	Full Range
8 ohm	16 ohm
80 W	60 W
320 W PEAK	240 W PEAK
-	-
2200 Hz	1800 Hz
1 x 1.3” neo, 1.0” v.c	1 x 1.0” neo, 1.0” v.c
1 x 5.0”, 1.2” v.c	1 x 4.0”, 1.0” v.c
Euroblock	Euroblock
Euroblock	Euroblock
CE compliant	CE compliant
Plywood	Plywood
4 x M6, 2 x M8	2 x M6, 2 x M8
Steel with clothing	Steel with clothing
Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003
303 mm / 11.93 inches	148 mm / 5.83 inches
172 mm / 6.77 inches	132 mm / 5.2 inches
191 mm / 7.52 inches	145 mm / 5.71 inches
4.2 kg / 9.26 lbs	2.3 kg / 5.07 lbs
13000581	13000623
13000720	13000725

ACCESSORIES

RIGGING / MOUNTING

HBR60703 — 13360703 (B)

Pair of brackets for 12” cabinets horizontal wall mounting.

H-BR 003 — 13360609 (W)

Pair of brackets for 12” cabinets horizontal wall mounting.

V-BR 002 — 13360549 (B), 13360607 (W)

Pair of brackets for 12” cabinets vertical wall mounting.

SWM-BR NC — 13360199

Swivel bracket for speakers wall mounting. It allows both horizontal and vertical installation.

H-BR 007 — 13360551 (B), 13360604 (W)

Pair of brackets for 10” cabinets horizontal wall mounting.

V-BR 007 — 13360552 (B), 13360606 (W)

Pair of brackets for 10” cabinets vertical wall mounting.

H-BR 006 — 13360547 (B), 13360603 (W)

Pair of brackets for 8” cabinets horizontal wall mounting.

V-BR 006 — 13360549 (B), 13360605 (W)

Pair of brackets for 8” cabinets vertical wall mounting.

H-BR 005 — 13360545 (B), 13360602 (W)

Pair of brackets for 6” cabinets horizontal wall mounting.

H-BR 004 — 13360550 (B), 13360597 (W)

Pair of brackets for 5” cabinets horizontal wall mounting.

WM-BR 001 — 13360539

Bracket for speakers wall mounting.

SWM-BR COMPACT M — 13360449 (B), 13360468 (W)

Swivel bracket for COMPACT M 05, M 06 and M 08 speakers wall mounting.

UPGRADE KITS

PNL IN-OUT AMPHENOL — 12399063

PNL IN-OUT AMPHENOL is an optional panel that allows to switch input/output connectors to AMPHENOL IP 67

PNL IN-OUT SPEAKON — 12399062

PNL IN-OUT is an optional panel that allows to switch from EUROBLOCK to SpeakON input / output connectors.

Link

COMPACT A SERIES

MULTIPURPOSE TWO-WAY FULL-RANGE PROFESSIONAL SPEAKERS

Elegant design aesthetics and RCF signature sound quality that delivers a supreme audio experience in any application, from restaurants and retail shops to clubs, corporate spaces and venues.

COMPACT A Series is a multipurpose two-way full-range professional speaker system, suitable for a wide range of applications, such as live sound reinforcement and stage monitoring as well as distributed sound systems for clubs or music venues. The combination of a 1.75” compression driver, from 15” to 10” woofer”, and the constant directivity True Resistive Waveguide produces coherent 100° x 60° coverage for the listening area with high SPL, distortion-free sound. The sleek and lightweight cabinet uses a special polypropylene composite material with an M-brace internal reinforcement, making it easy to carry and secure to install on a pole, flown-, wall-, or truss-mounted using the multiple rigging points and available accessories

NEW PARADIGMS IN ELECTROACOUSTICS

The advanced design of COMPACT A lies within the housing of the speaker. The new True Resistive Waveguide is the result of several refinements in both the transducers' and the vented ports' design with Finite Element Analysis, and constant measurement in RCF anechoic chambers. Thanks to our transducers, the new shape, and the placement of the ports, the speaker now acts as a single ideal source for a perfect sound image. Acoustically, the TRW waveguide mimics a resonance-free pure resistive load reducing the high-frequency distortion of a classic horn. With its asymmetrical sound shaping, the coverage angle of the waveguide provides constant directivity to the entire listening area and improved stereo panorama.



EASY TO HANDLE, FAST TO INSTALL

COMPACT A is flexible and makes it a smart choice for a wide range of applications. The cabinet is easy to carry, thanks to ergonomic handles on both sides and the top. The lower side includes a steel pole socket for mounting on a stand or subwoofer pole. Each model can also be flown, wall- or truss-mounted using multiple M10 rigging points and special accessories. From molding to the final texture, COMPACT A offers maximum strength for fixed installation.

M-BRACING A NEW CABINET DESIGN

COMPACT A professional appearance of an is ideal for live events or installed applications. The sleek cabinet uses a special polypropylene composite material with a radically new construction concept. The grille cover is heavy-duty steel protecting both transducers and vented ports. The purpose-designed M-brace connects the four internal sides of the cabinet and amplifier, preventing any deformation for a completely inert body, with augmented acoustical damping even at maximum volume settings. It also performs as a reinforcement structure, for greater resistance to mechanical stress.

LEGENDARY 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. The internal crossover frequency is set at a lower frequency than usual, resulting in a clear and accurate vocal reproduction with dynamic active mosfet protection.



Case Study

OSiR Zamość Sports Hall. Łańcut, Poland.

Link

SPECIFICATIONS







	COMPACT A 15	COMPACT A 12	COMPACT A 10
Acoustical specifications			
Frequency Response (-10dB)	50 Hz - 20000 Hz	55 Hz - 20000 Hz	60 Hz - 20000 Hz
Max SPL @ 1m	130 dB	129 dB	128 dB
Horizontal coverage angle	100°	100°	100°
Vertical coverage angle	60°	60°	60°
System Sensitivity	98 dB	97 dB	97 dB
Power section			
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm
Power Handling	450 W	400 W	350 W
Peak Power Handling	1800 W PEAK	1600 W PEAK	1400 W PEAK
Protections	Dynamic Active Mosfet	Dynamic Active Mosfet	Dynamic Active Mosfet
Crossover Frequencies	1200 Hz	1200 Hz	1400 Hz
Transducers			
Compression Driver	1 x 1.0”, 1.75” v.c	1 x 1.0”, 1.75” v.c	1 x 1.0”, 1.75” v.c
Woofer:	1 x 15”, 3.0” v.c	1 x 12”, 2.5” v.c	1 x 10”, 2.5” v.c
Input/Output section			
Input connectors:	Speakon	Speakon	Speakon
Output connectors:	Speakon	Speakon	Speakon
Standard compliance			
Safety agency	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material	PP Composite	PP Composite	PP Composite
Hardware	1 x M10 top, 1 x M10 each side	1 x M10 top, 1 x M10 each side	1 x M10 top and bottom
Handles	1 top, 1 each side	1 top , 1 each side	1 top
Pole mount/Cap	35 mm insert	35 mm insert	35 mm insert
Grille	Steel	Steel	Steel
Color	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005
Size / Weight			
Height:	716.6 mm / 28.21 inches	641.6 mm / 25.26 inches	572.1 mm / 22.52 inches
Width:	414.9 mm / 16.33 inches	369.9 mm / 14.56 inches	329.9 mm / 12.99 inches
Depth:	410 mm / 16.14 inches	363 mm / 14.29 inches	310 mm / 12.2 inches
Weight:	23.5 kg / 51.81 lbs	18.8 kg / 41.45 lbs	16.2 kg / 35.71 lbs
Part Number	13000740	13000739	13000738

ACCESSORIES

RIGGING / MOUNTING

AC PRO-FS	13360109

Professional loudspeaker floor stand.

AC PMX	13360232

Adjustable pole.

AC PRO-PM	13360110

Adjustable pole accessory for satellite loudspeaker on a subwoofer.

PM-KIT M20	13360067

Adjustable pole for subwoofer.

FL-BR ART 915	13360481

Flying Mount Bracket for COMPACT A 15.

FL-BR ART 912	13360477

Flying Mount Bracket for COMPACT A 12.

FL-BR ART 910	13360472

Flying Mount Bracket for COMPACT A 10.

H-BR ART 915	13360479

Horizontal Mount Bracket for COMPACT A 15.

V-BR ART 915	13360480

Vertical Mount Bracket for COMPACT A 15.

H-BR ART 912	13360475

Horizontal Mount Bracket for COMPACT A 12.

V-BR ART 912	13360476

Vertical Mount Bracket for COMPACT A 12.

H-BR ART 910	13360471

Horizontal Mount Bracket for COMPACT A 10.

PROTECTIONS

CVR ART 915	13360478

Padded Cover for for COMPACT A 15.

CVR ART 912	13360474

Padded Cover for for COMPACT A 12.

CVR ART 910	13360473

Padded Cover for for COMPACT A 10.

Link

P SERIES

TWO-WAY WEATHERPROOF SPEAKERS

Highly efficient coaxial designs offering excellent music and speech intelligibility in a compact, lightweight, and weatherproof enclosure.

The RCF P Series are highly efficient two-way designs offering excellent music and speech intelligibility in compact lightweight weatherproof design cabinets constructed with a heavy-duty UV-stabilized material. P Series speaker systems offer environmental protection up to the highest IP standard rating. The design aesthetics of the P Series is suitable for outdoor applications as well as indoor installations in tough environments. The front grille construction and included bracket are made of aluminum in all models.

LICC - LOW IMPEDANCE COMPENSATED CROSSOVER

The system includes a high-level crossover network that features lower than conventional induction values. Its benefits are delay reduction, reduced phase shift and superior transient response for improved audio performance and stability.

CMD - COVERAGE MATCHING DESIGN

RCF exclusive CMD technology helps guarantee an optimal transition between the high frequency horn polar pattern and the low frequency woofer directivity. The horn can be rotated, allowing to install the loudspeaker either vertically or horizontally.

VERSATILITY FOR ANY APPLICATION

Focusing on outdoor and indoor large spaces, P Series speakers are capable of true, concert-level high performance in a compact enclosure, installed individually or coupled in array configurations. Featuring coaxial, line source, and subwoofers speakers, all modules embed RCF Precision Transducers, horns, and waveguides for optimal coverage and clarity. The cabinet's design with coaxial or coplanar woofers and horns produces identical left and right coverage, capable of delivering serious sonic horsepower within the stadium while maintaining intelligibility and even coverage at every seat.

ALL-WEATHER PERFORMANCE

The single-piece rotomolded cabinet is fully UV protected, equipped with multiple brass inserts and a corrosion-resistant AISI 316L stainless steel U-bracket (except P 1108T model). 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 P series speakers meet IP55 standard requirements (International Protection Rating), suitable for indoor and outdoor applications.







Case Study

Windsor Park Stadium. Belfast, Northern Ireland.

Link

SPECIFICATIONS






	P 6215	P 3115T	P 2110T	P 5228-L
Acoustical specifications				
Frequency Response (-10dB)	75 Hz - 20000 Hz	75 Hz - 20000 Hz	95 Hz - 20000 Hz	80 Hz - 20000 Hz
Max SPL @ 1m	134 dB	129 dB	124 dB	131 dB
Horizontal coverage angle	60°	90°	90°	90°
Vertical coverage angle	60°	60°	40°	20°
Directivity index Q	13	13	11	11
System Sensitivity	100 dB	98 dB	95 dB	98 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	16 ohm	16 ohm	8 ohm
Power Handling	600 W	300 W	200 W	500 W
Peak Power Handling	2400 W PEAK	1200 W PEAK	800 W PEAK	2000 W PEAK
Protections	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet	Dynamic active mosfet
Crossover Frequencies	1100 Hz	1300 Hz	2000 Hz	1300 Hz
Transducers				
Compression Driver	1.3” neo, 2.5” v.c	1.0”, 1.5” v.c	1.0”, 1.5” v.c	2 x 1.0” neo, 1.75” v.c
Woofer	Coaxial 15” neo, 3.0” v.c	Coaxial 15”, 2.5” v.c	Coaxial 10”, 2.5” v.c	2 x 8” neo, 2.5” v.c
Input/Output section				
Input connectors	Neoprene Cable	Neoprene Cable	Neoprene Cable	Amphenol eco/mat IP 67
Constant Voltage Transformer	-	100 V	100 V	-
Power selection 1	-	120 W - 83 ohm	60 W - 167 ohm	-
Power selection 2	-	60 W - 167 ohm	30 W - 333 ohm	-
Power selection 3	-	30 W - 333 ohm	15 W - 667 ohm	-
Standard compliance				
IP protection grade	IP 55	IP 55	IP 55	IP 55
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material	PE Low Density	PE Low Density	PE Low Density	PE Low Density
Hardware	12 x M10 + U-Bracket and Pair of spacers	12 x M10 inserts + U-brackets and pair of spacers	12 x M8 inserts + U-brackets and pair of spacers	4 x M8 inserts
Grille	Aluminum with waterproof clothing	Aluminum with waterproof clothing	Aluminum with waterproof clothing	Aluminum with waterproof clothing
Color	Grey - RAL 7011 White - RAL 9003	Grey - RAL 7011 White - RAL 9003	Grey - RAL 7011	Grey - RAL 7011
Size / Weight				
Height:	463 mm / 18.23 inches	463 mm / 18.23 inches	350 mm / 13.78 inches	268 mm / 10.55 inches
Width:	463 mm / 18.23 inches	463 mm / 18.23 inches	350 mm / 13.78 inches	566 mm / 22.28 inches
Depth:	433 mm / 17.05 inches	433 mm / 17.05 inches	320 mm / 12.6 inches	250 mm / 9.84 inches
Weight:	17 kg / 37.48 lbs	18.4 kg / 40.57 lbs	13.4 kg / 29.54 lbs	14 kg / 30.86 lbs
Part Number				
Black	-	-	-	-
Grey	13000131	13000135	13000125	13000202
White	13100083	13100082	-	-
	AVAILABLE ON ORDER	**AVAILABLE ON ORDER**	-	-

ACCESSORIES

RIGGING / MOUNTING

C-BR 2X P15	13360094

Kit including 4 cluster brackets for P3115-T, P6215 and P8015-S

C-BR 2X P10	13360095

Kit including 4 brackets to cluster 2 P2110-T speakers

RIGGING / MOUNTING

C-BR 2X P28	13360119

Kit including 4 cluster brackets for P4228-T and P5228-L






P 4228	P 3108	P 1108T	P 8015S
80 Hz - 20000 Hz	80 Hz - 20000 Hz	80 Hz - 20000 Hz	50 Hz - 200 Hz
129 dB	125 dB	121 dB	132 dB
110°	90°	90°	-
60°	60°	60°	-
9	11	11	-
97 dB	94 dB	95 dB	97 dB
Full Range	Full Range	Full Range	Full Range
8 ohm	8 ohm	16 ohm	8 ohm
400 W	300 W	100 W	800 W
1600 W PEAK	1200 W PEAK	400 W PEAK	3200 W PEAK
Dynamic active mosfet	Dynamic active mosfet	PTC	-
1100 Hz	1800 Hz	2200 Hz	-
1 x 1.4” neo, 2.5” v.c	1 x 1.0”, 1.5” v.c	1 x 1.0”, 1.4” v.c	-
2 x 8”, 2.5” v.c	1 x 8”, 2.5” v.c	1 x 8”, 1.5” v.c	15” neo, 4.0” v.c
Amphenol eco/mat IP 67	Amphenol eco/mat IP 67	Neoprene Cable	Neoprene Cable
-	-	100 V	-
-	-	60 W - 167 ohm	-
-	-	30 W - 333 ohm	-
-	-	15 W - 667 ohm	-
IP 55	IP 55	IP 55	IP 55
CE compliant	CE compliant	CE compliant	CE compliant
PE Low Density	PE Low Density	PE Low Density	PE Low Density
4 x M8 + U-bracket and pair of spacers	4 x M8 + U-bracket and pair of spacers	4 x M8 + U-Bracket and Pair of spacers	12 x M10 + U bracket and pair of spacers
Aluminum with waterproof clothing	Aluminum with waterproof clothing	Aluminum with waterproof clothing	Aluminum with waterproof clothing
Grey - RAL 7011 White - RAL 9003 Black RAL - 9005	Grey - RAL 7011 Black RAL - 9005	Grey - RAL 7011 White - RAL 9003 Black RAL - 9005	Grey - RAL 7011
268 mm / 10.55 inches	266 mm / 10.47 inches	266 mm / 10.47 inches	463 mm / 18.23 inches
566 mm / 22.28 inches	493 mm / 19.41 inches	493 mm / 19.41 inches	463 mm / 18.23 inches
250 mm / 9.84 inches	250 mm / 9.84 inches	250 mm / 9.84 inches	433 mm / 17.05 inches
14 kg / 30.86 lbs	10.6 kg / 23.37 lbs	11.8 kg / 26.01 lbs	16.5 kg / 36.38 lbs
13100104	13100125	13100126	-
13000199	13000198	13000203	13000230
13100081	-	13100084	-
AVAILABLE ON ORDER	-	**AVAILABLE ON ORDER**	-

Link

MAX SERIES

HIGH POWER TWO-WAY SPEAKERS

Multi-purpose speakers with focused near and mid-field performance, vocal clarity, and consistent tonal balance.

PRECISION SOUND FOR MODERN ENTERTAINMENT

The MAX Series speakers deliver powerful, precision audio built for entertainment venues, combining high-output with crystal-clear vocal intelligibility and excellent feedback rejection. Designed for both near-field and full-range usage, they offer tight, authoritative low-end performance while preserving clarity in mid- and high-frequencies. Rugged construction ensures reliability under continuous use, while versatile designs scale from smaller private rooms to large open-spaces, making MAX Series systems a go-to solution where both fidelity and impact matter.

ROBUST WORKHORSE

All MAX Series cabinets are built-in plywood coated with black textured acrylic paint. A sturdy powder-coated metal grille protects the front, and an acoustically transparent sound foam backing on the inside of the grille ensures protection from dust and humidity.

PERFECTLY TUNED CROSSOVER

The MAX Series features a custom-designed mid-freq shaping for close distance listening on a perfectly tuned crossover to ensure the best frequency and phase response. The LICC crossover design includes electronic protection on high-frequency device.

EASY RIGGING

The base of each speaker includes a robust steel pole socket for mounting on a stand or a subwoofer pole. Threaded inserts are provided on all sides for optional mounting hardware. Included are multiple rigging points to fly the speakers for maximum architectural freedom in any installation.





Case Study

KTV entertainment. Shenzhen, China.

Link

SPECIFICATIONS







	X-MAX 12	X-MAX 10	C-MAX 4112
Acoustical specifications			
Frequency Response (-10dB)	60 Hz - 20000 Hz	65 Hz - 20000 Hz	60 Hz - 20000 Hz
Max SPL @ 1m	129 dB	128 dB	130 dB
Horizontal coverage angle	90°	90°	90°
Vertical coverage angle	70°	70°	70°
Directivity index Q	9	11	11
System Sensitivity	97 dB	97 dB	98 dB
Power section			
Amplification	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm
Power Handling	400 W	350 W	400 W
Peak Power Handling	1600 W PEAK	1400 W PEAK	1600 W PEAK
Protections	Dynamic active mosfet	Dynamic active mosfet	Bulb lamp
Crossover Frequencies	1800 Hz	1800 Hz	1800 Hz
Transducers			
Compression Driver	1 x 1.0”, 1.4” v.c	1 x 1.0”, 1.4” v.c	1 x 1.0” neo, 1.75” v.c
Woofer	1 x 12”, 2.5” v.c	1 x 10”, 2.5” v.c	1 x 12”, 3.0” v.c
Input/Output section			
Input connectors	Speakon	Speakon	Speakon® NL4
Output connectors	-	-	Speakon® NL4
Standard compliance			
Safety agency	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material	Plywood	Plywood	Baltic birch plywood
Hardware	2 x M8, 16 x M10	2 x M8, 16 x M10	16 x M10
Handles	-	-	1 Top
Pole mount/Cap	35 mm insert	35 mm insert	35 mm insert
Grille	Steel with clothing	Steel with clothing	Steel
Color	Black	Black	Black
Size / Weight			
Height:	620 mm / 24.41 inches	510 mm / 20.08 inches	600 mm / 23.62 inches
Width:	362 mm / 14.25 inches	295 mm / 11.61 inches	363 mm / 14.29 inches
Depth:	404 mm / 15.91 inches	325 mm / 12.8 inches	407 mm / 16.02 inches
Weight:	22 kg / 48.5 lbs	17 kg / 37.48 lbs	24.5 kg / 54.01 lbs
Part Number			
Black	13000658	13000657	13000535







C-MAX 4110	G-MAX 12	G-MAX 10
65 Hz - 20000 Hz	55 Hz - 20000 Hz	65 Hz - 20000 Hz
128 dB	130 dB	129 dB
90°	90°	90°
70°	70°	70°
11	9	11
97 dB	98 dB	97 dB
Full Range	Full Range	Full Range
8 ohm	8 ohm	8 ohm
350 W	500 W RMS	400 W
1400 W PEAK	2000 W PEAK	1600 W PEAK
Bulb lamp	Dynamic active mosfet	Dynamic active mosfet
1800 Hz	1800 Hz	1800 Hz
1 x 1.0” neo, 1.75” v.c	1 x 1.0”, 1.4” v.c	1 x 1.0”, 1.4” v.c
1 x 10”, 2.5” v.c	1 x 12”, 3.0” v.c	1 x 10”, 2.5” v.c
Speakon® NL4	Speakon	Speakon
Speakon® NL4	-	-
CE compliant	CE compliant	CE compliant
Baltic birch plywood	Plywood	Plywood
16 x M10	2 x M8, 16 x M10	2 x M8, 16 x M10
1 Top	-	-
35 mm insert	35 mm insert	35 mm insert
Steel	Steel with clothing	Steel with clothing
Black	Black	Black
500 mm / 19.69 inches	620 mm / 24.41 inches	510 mm / 20.08 inches
309 mm / 12.17 inches	362 mm / 14.25 inches	295 mm / 11.61 inches
350 mm / 13.78 inches	404 mm / 15.91 inches	325 mm / 12.8 inches
17.6 kg / 38.8 lbs	22 kg / 48.5 lbs	17 kg / 37.48 lbs
13000534	13000914	13000934

Link

ART 725 MK4

TWO-WAY SPEAKER

ART 725 MK4 is a passive two-way system with an accurate acoustic design for club installations and live music.

SUPERIOR TRANSDUCERS

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



BRING ART WITH YOU

The RCF ART 7 Series has earned the prestigious international Red Dot Design Award in the Product Design category. Receiving the renowned Red Dot acts as proof of the excellent design achievements of professionals and up-and-coming talent alike, thus symbolising a seal of quality.

SPECIFICATIONS

	ART 725 MK4
Acoustical specifications	
Frequency Response (-10dB)	55 Hz - 20000 Hz
Max SPL @ 1m	133 dB
Horizontal coverage angle	90°
Vertical coverage angle	60°
System Sensitivity	99 dB
Power section	
Amplification	Full Range
Nominal Impedance	8 ohm
Power Handling	700 W
Peak Power Handling	2800 W PEAK
Crossover Frequencies	1400 Hz
Transducers	
Compression Driver	1 x 1.4" neo, 3.0" v.c
Woofer	1 x 15" neo, 3.5" v.c
Input/Output section	
Input connectors	Speakon® NL4
Output connectors	Speakon® NL4
Standard compliance	
Safety agency	CE compliant
Physical specifications	
Cabinet/Case Material	PP Composite
Hardware	2 x M10
Handles	1 Top, 2 Side
Pole mount/Cap	35 mm insert
Grille	Steel
Color	Black
Size / Weight	
Height:	708 mm / 27.87 inches
Width:	437 mm / 17.2 inches
Depth:	389 mm / 15.31 inches
Weight:	20.5 kg / 45.19 lbs
Part Number	
Black	13000548

ACCESSORIES

RIGGING / MOUNTING	
AC PRO-FS	13360109
Professional loudspeaker floor stand	
H-BR 2X ART 715	13360105
Horizontal bracket	
AC PMX	13360232
Adjustable pole - maximum load 50Kg	
AC PRO-PM	13360110
Adjustable pole accessory for satellite loudspeaker on a subwoofer	
PM-KIT M20	13360067
Adjustable pole for subwoofer	

PROTECTION	
CVR ART 725	13360115
Protection cover	

Link





Case Study

Picnic Restaurant. Novi Sad, Serbia.

Link

PREMIUM SPEAKERS SERIES

HIGH QUALITY MONITOR SPEAKERS

Multipurpose speakers with elegant design and premium music reproduction.

With multipurpose two-way in-ceiling, wall-mounted and pendant speakers, RCF premium sound is suitable for a wider range of applications. Thanks to their elegant, discreet design and accurate details, these speakers pair any building's aesthetic. The high-quality transducers guarantee a faithful and precise music reproduction of the entire frequency band and provide impressive sound pressure levels inside a compact enclosure.

SMOOTH INSTALLATION

Housed in a compact enclosure, all models feature Euroblock inputs, a line transformer for 70V-100V systems, and quick and easy installation.
Each model provides easy access to the power selector and has accessory options to increase flexibility.

IMPROVE THE AUDIO ATMOSPHERE

Music nurtures engagement and hospitality inside any social or shopping environment. With a wide coverage angle, premium speakers are ideal for both speech and music reproduction.

MULTIPURPOSE SOUND

Combining modern design, on-board processing, and RCF sound quality to deliver an excellent audio experience.
The application range is extensive and varies from retail stores to bars and restaurants, meeting rooms, education or public facilities, and in general to any A/V application.





Case Study

Lower Silesian Sports Center. Jakuszyce, Poland.

Link

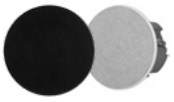
SPECIFICATIONS







	WMR 60T	WMR 50T	PMR 60T	CMR 60T	CMR 50T
Acoustical specifications					
Frequency Response (-10dB)	70 Hz - 20000 Hz	80 Hz - 20000 Hz	70 Hz - 20000 Hz	70 Hz - 20000 Hz	80 Hz - 20000 Hz
Max SPL @ 1m	114 dB	110 dB	114 dB	114 dB	110 dB
Horizontal coverage angle	140°	140°	-	-	-
Vertical coverage angle	100°	100°	-	-	-
Coverage angle	-		130°	130°	130°
System Sensitivity	89 dB	88 dB	89 dB	89 dB	88 dB
Power section					
Amplification	Full Range	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	80 W RMS	40 W RMS	80 W RMS	80 W RMS	40 W RMS
Peak Power Handling	320 W PEAK	160 W PEAK	320 W PEAK	320 W PEAK	160 W PEAK
Protections	Bulb lamp	Bulb lamp	Bulb lamp	Bulb lamp	Bulb lamp
Crossover Frequencies	2500	2500	2500 Hz	2500	2500
Transducers					
Dome Tweeter	1 x 1.0” neo, 1.0” v.c	1 x 1.0” neo, 1.0” v.c	1 x 1.0” neo, 1.0” v.c	1 x 1.0” neo, 1.0” v.c	1 x 1.0” neo, 1.0” v.c
Woofer	1 x 6.5”, 1.2” v.c	1 x 5.0”, 1.0” v.c	1 x 6.5”, 1.2” v.c	1 x 6.5”, 1.2” v.c	1 x 5.0”, 1.0” v.c
Input/Output section					
Input connectors	Euroblock	Euroblock	Euroblock	Euroblock	Euroblock
Output connectors	Euroblock	Euroblock	Euroblock	Euroblock	Euroblock
Constant Voltage Transformer	70/100 V	70/100 V	70/100 V	70/100 V	70/100 V
Power selection 1	80 W - 125 ohm	40 W - 250 ohm	80 W - 125 ohm	80 W - 125 ohm	40 W - 250 ohm
Power selection 2	40 W - 250 ohm	20 W - 500 ohm	40 W - 250 ohm	40 W - 250 ohm	20 W - 500 ohm
Power selection 3	20 W - 500 ohm	10 W - 1000 ohm	20 W - 500 ohm	20 W - 500 ohm	10 W - 1000 ohm
Power selection 4	10 W - 1000 ohm	5 W - 2000 ohm	10 W - 1000 ohm	10 W - 1000 ohm	5 W - 2000 ohm
Power selection 5	5 W - 2000 ohm	2.5 W - 4000 ohm	5 W - 2000 ohm	5 W - 2000 ohm	2.5 W - 4000 ohm
Standard compliance					
IP protection grade	IP 55	IP 55	-	-	-
Safety agency	CE compliant, UL 1480A	CE compliant, UL 1480A	CE compliant	CE compliant, UL 1480A	CE compliant, UL 1480A
Physical specifications					
Cabinet/Case Material	ABS	ABS	ABS	ABS	ABS
Hardware	Wall mount bracket	Wall mount bracket		Steel backcan	Steel backcan
Grille	Steel	Steel	Steel	Steel	Steel
Color	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	White - RAL 9003	White - RAL 9003
Size / Weight					
Height:	403 mm / 15.87”	349 mm / 13.74”	236 mm / 9.29”	-	-
Width:	193 mm / 7.6”	170 mm / 6.69”	-	-	-
Depth:	293 mm / 11.54”	253 mm / 9.96”	-	202 mm / 7.95”	151 mm / 5.94”
Recessed Depth	-	-	-	193 mm / 7.6”	142 mm / 5.59”
Diameter	-	-	300 mm / 11.81”	300 mm / 11.81”	300 mm / 11.81”
Cut out diameter	-	-	-	260 mm / 10.24”	260 mm / 10.24”
Weight:	6 kg / 13.23 lbs	4.2 kg / 9.26 lbs	5.1 kg / 11.24 lbs	4.5 kg / 9.92 lbs	4 kg / 8.82 lbs
Part Number					
Black	13100050	13100051	13100100	-	-
White	13100071	13100074	13100098	13100045	13100044







CMR 30	MMR 30T	CMR-S 60T
70 Hz - 20000 Hz	200 Hz - 20000 Hz	45 Hz - 250 Hz
104 dB	101 dB	109 dB
-	-	-
-	-	-
130°	130°	180°
86 dB	84 dB	89 dB
Full Range	Full Range	Full Range
16 ohm	16 ohm	8 ohm
15 W RMS	10 W RMS	80 W RMS
60 W PEAK	40 W PEAK	320 W PEAK
-	-	Bulb lamp
-	-	-
-	1 x 3”	-
1 x 2.5” neo, 1.0” v.c	-	1 x 6.5”, 1.5” v.c
Push Type Terminals	Euroblock	Euroblock
Push Type Terminals	Euroblock	Euroblock
-	100 V	70/100 V
-	10 W - 1000 ohm	80 W - 125 ohm
-	5 W - 2000 ohm	40 W - 250 ohm
-	2.5 W - 4000 ohm	20 W - 500 ohm
-	1.25 W - 8000 ohm	10 W - 1000 ohm
-	-	5 W - 2000 ohm
-	-	-
CE compliant	CE compliant	CE compliant
Aluminum	ABS	ABS
-	-	Steel backcan
Stainless Steel	Aluminum	Steel
Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	White - RAL 9003
-	96.3 mm / 3.79 inches	-
-	100.3 mm / 3.95 inches	-
68 mm / 2.68”	157.6 mm / 6.2 inches	202 mm / 7.95”
61 mm / 2.4”	-	193 mm / 7.6”
109 mm / 4.29”	-	300 mm / 11.81”
86 mm / 3.39”	-	260 mm / 10.24”
0.37 kg / 0.82 lbs	0.66 kg / 1.46 lbs	4.5 kg / 9.92 lbs
13100111	13100114	-
13100111	13100113	13100112

ACCESSORIES

RIGGING / MOUNTING

MUD RING 4X CMR 13360490

Set of 4 mud ring accessories for CMR 60T, CMR 50T and CMR-S 60T installation in new constructions ceilings.

TILE BRIDGE 4X CMR 13360489

Set of 4 tile bridge accessories for CMR 60T, CMR 50T and CMR-S 60T installation in standard false ceiling structures.

GRILLE KIT 4X CMR B 13360492

Set of 4 black grilles for CMR 60T, CMR 50T and CMR-S 60T ceiling speakers.

Link

SPEAKER & CEILING SERIES

COMPREHENSIVE INSTALLATION RANGE

Versatile speakers featuring high-quality components and precise engineering, designed for speech and music reproduction.

The Speaker & Ceiling Series offers ceiling, wall-mount, surface, and suspended models, providing complete solutions for background and foreground sound. Compact, discreet designs integrate seamlessly into any space with versatile mounting and finish options.

EN 54 CERTIFIED MODELS

Several units meet EN 54-24 standards for voice alarm and evacuation systems. Fire-resistant materials, thermal fuses, and ceramic connectors ensure safety and speech intelligibility in emergency situations.

BALANCED PERFORMANCE

With frequency responses from ~60 Hz to 20 kHz and sensitivities around 90–95 dB, the series ensures clear, natural sound. Selectable 70/100 V transformer taps and low-impedance operation make it adaptable to both small rooms and large distributed systems.

RELIABLE & FLEXIBLE DESIGN

Robust enclosures, metal grilles, and moisture-resistant finishes guarantee long-term reliability. Wide or focused coverage options and shallow-depth housings simplify integration into ceilings, walls, and open spaces.





Case Study

Ö Magazín Al Pörto. Rapallo, Italy.

Link

SPECIFICATIONS






	MQ 50C	PL 8X	PL 6X	PL 60
Acoustical specifications				
Frequency Response (-10dB)	70 Hz - 20000 Hz	60 Hz - 20000 Hz	70 Hz - 20000 Hz	90 Hz - 20000 Hz
Max SPL @ 1m	112 dB	109 dB	106 dB	107 dB
Coverage angle	120°	80°	100°	90°
System Sensitivity	91 dB	93 dB	92 dB	91 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	16 ohm	-	-	8 ohm
Power Handling	60 W	20 W RMS	12 W RMS	6 W
Peak Power Handling	240 W PEAK	80 W PEAK	48 W PEAK	24 W PEAK
Transducers				
Dome Tweeter	1 x 1.0” neo	1.0”	1.0”	-
Woofer	1 x 5.0” neo	8”	6.0”	-
Fullrange	-	-	-	1 x 6.0”
Input/Output section				
Input connectors	Euroblock	Screw Terminals	Screw Terminals	Screw Terminals
Output connectors	Euroblock	Screw Terminals	Screw Terminals	Screw Terminals
Constant Voltage Transformer	100 V	70/100 V	70/100 V	70/100 V
Power selection 1	30 W - 333 ohm	20 W - 500 ohm	12 W - 833 ohm	6 W - 1667 ohm
Power selection 2	20 W - 500 ohm	10 W - 1000 ohm	6 W - 1667 ohm	3 W - 3333 ohm
Power selection 3	10 W - 1000 ohm	5 W - 2000 ohm	3 W - 3333 ohm	1.5 W - 6667 ohm
Power selection 4	5 W - 2000 ohm	2.5 W - 4000 ohm	1.5 W - 6667 ohm	-
Power selection 5	-	-	-	-
Standard compliance				
IP protection grade	-	IP 44	IP 44	-
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material	Plastic	Plastic	Plastic	Plastic
Hardware	Plastic Material	Plastic Material	Plastic Material	Plastic Material
Grille	Steel	Aluminium	Aluminium	Steel
Color	Black - RAL 9005 White - RAL 9016	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	White - RAL 9003
Size / Weight				
Depth	156 mm / 6.14”	88 mm / 3.46”	73 mm / 2.87”	75 mm / 2.95”
Recessed Depth	140 mm / 5.51 inches	80 mm / 3.15”	66 mm / 2.6”	69 mm / 2.72”
Diameter	266 mm / 10.47”	247 mm / 9.72”	204 mm / 8.03”	204 mm / 8.03”
Cut out diameter	245 mm / 9.65”	224 mm / 8.82”	182 mm / 7.17”	-
Weight	2.1 kg / 4.63 lbs	1.23 kg / 2.71 lbs	0.78 kg / 1.72 lbs	0.34 kg / 0.75 lbs
Part Number				
Black	13100089	13100088	13100087	-
White	13000081	13133043	13133042	13110214





PL 50	PL 40
100 Hz - 20000 Hz	90 Hz - 20000 Hz
98 dB	100 dB
150°	120°
90 dB	88 dB
Full Range	Full Range
-	-
6 W	8 W RMS
24 W PEAK	32 W PEAK
-	-
-	-
1 x 6.0”	1 x 3.5”
Screw Terminals	Screw Terminals
Screw Terminals	Screw Terminals
100 V	100 V
6 W - 1667 ohm	8 W - 1250 ohm
3 W - 3333 ohm	6 W - 1667 ohm
-	4 W - 2500 ohm
-	2 W - 5000 ohm
-	-
-	IP 44
CE compliant	CE compliant
Plastic	Plastic
Metal	Plastic Material
Plastic	Aluminium
White - RAL 9003	White - RAL 9003
65 mm / 2.56”	110 mm / 4.33”
59 mm / 2.32”	103 mm / 4.06”
186 mm / 7.32”	130 mm / 5.12”
-	122 mm / 4.8”
0.5 kg / 1.1 lbs	0.38 kg / 0.84 lbs
-	-
13133060	13133045

ACCESSORIES

RIGGING / MOUNTING

A 1360 13320107

The A 1360 accessory is an adapter designed for surface mount installation of the PL 60 ceiling speaker. It is made of plastic UL94 V0 with rear plate in metal, providing an excellent aesthetic and functional combination with the speaker.

Link

SPECIFICATIONS






	MR 50T	MR 50	MR 40T	MR 40
Acoustical specifications				
Frequency Response (-10dB)	60 Hz - 20000 Hz	60 Hz - 20000 Hz	70 Hz - 20000 Hz	70 Hz - 20000 Hz
Max SPL @ 1m	110 dB	110 dB	108 dB	108 dB
Horizontal coverage angle	110°	110°	110°	110°
Vertical coverage angle	100°	100°	100°	100°
Coverage angle	-	-	-	-
Directivity index Q	7	7	7	7
System Sensitivity	87 dB	87 dB	86 dB	86 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	60 W	60 W	40 W	40 W
Peak Power Handling	240 W PEAK	240 W PEAK	160 W PEAK	160 W PEAK
Protections	Bulb lamp	Bulb lamp	Bulb lamp	Bulb lamp
Crossover Frequencies	3000 Hz	3000 Hz	3000 Hz	3000 Hz
Transducers				
Fullrange	-	-	-	-
Dome Tweeter	1 x 1.0” neo, 0.8” v.c	1 x 1.0” neo, 0.8” v.c	1 x 1.0” neo, 0.8” v.c	1 x 1.0” neo, 0.8” v.c
Woofer	1 x 5.0”, 1.0” v.c	1 x 5.0”, 1.0” v.c	1 x 4.0”, 1.0” v.c	1 x 4.0”, 1.0” v.c
Input/Output section				
Input connectors	Euroblock	Euroblock	Euroblock	Euroblock
Output connectors	Euroblock	Euroblock	Euroblock	Euroblock
Constant Voltage Transformer	70/100 V	-	70/100 V	-
Power selection 1	40 W - 250 ohm	-	20 W - 500 ohm	-
Power selection 2	20 W - 500 ohm	-	10 W - 1000 ohm	-
Power selection 3	10 W - 1000 ohm	-	5 W - 2000 ohm	-
Power selection 4	5 W - 2000 ohm	-	2.5 W - 4000 ohm	-
Power selection 5	-	-	-	-
Standard compliance				
IP protection grade	IP 55	IP 55	IP 55	IP 55
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material	Plastic	Plastic	Plastic	Plastic
Hardware	Wall mount bracket	Wall mount bracket	Wall mount bracket	Wall mount bracket
Grille	Aluminium	Aluminium	Aluminium	Aluminium
Color	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9003
Size / Weight				
Height	270 mm / 10.63”	270 mm / 10.63”	216 mm / 8.5”	216 mm / 8.5”
Width	187 mm / 7.36”	187 mm / 7.36”	154 mm / 6.06”	154 mm / 6.06”
Depth	167 mm / 6.57”	167 mm / 6.57”	135 mm / 5.31”	135 mm / 5.31”
Weight	4 kg / 8.82 lbs	3.8 kg / 8.38 lbs	2.3 kg / 5.07 lbs	2.2 kg / 4.85 lbs
Part Number				
Black	13100039	13100038	13100035	13100034
White	13100041	13100040	13100037	13100036







MQ 80P	DM61	DM41
100 Hz - 20000 Hz	70 Hz - 20000 Hz	100 Hz - 20000 Hz
114 dB	106 dB	102 dB
90°	120°	180°
60°	140°	170°
-	-	-
-	-	-
94 dB	89 dB	87 dB
Full Range	Full Range	Full Range
8 ohm	8 ohm	8 ohm
60 W	25 W	15 W
240 W PEAK	100 W PEAK	60 W PEAK
-	-	-
3000 Hz	6000 Hz	2.5 Hz
-	-	-
1 x 1.0”	1 x 1.0’	1 x 1.0’
1 x 5.0”	1 x 6.0”	1 x 3.5”
Cable	Cable	Cable
Cable	Cable	Cable
100 V	100 V	100 V
30 W - 333 ohm	25 W - 400 ohm	15 W - 667 ohm
20 W - 500 ohm	12.5 W - 800 ohm	7.5 W - 1333 ohm
10 W - 1000 ohm	7.5 W - 1333 ohm	5 W - 2000 ohm
5 W - 2000 ohm	5 W - 2000 ohm	2.5 W - 4000 ohm
-	2.5 W - 4000 ohm	1.25 W - 8000 ohm
IP 55	IP 55	IP 55
CE compliant	CE compliant	CE compliant
Plastic	Plastic	Plastic
Wall mount bracket	Aluminium U bracket	Aluminium U bracket
Steel	Aluminium	Aluminium
Black - RAL 9005 White - RAL 9016	White - RAL 9002	Black - RAL 9005 White - RAL 9002
223 mm / 8.78”	289 mm / 11.38”	197 mm / 7.76”
191 mm / 7.52”	216 mm / 8.5”	130 mm / 5.12”
236 mm / 9.29”	177 mm / 6.97”	115 mm / 4.53”
3.65 kg / 8.05 lbs	3.98 kg / 8.77 lbs	1.7 kg / 3.75 lbs
13000094	-	13000387
13000096	13000050	13000049

ACCESSORIES

RIGGING / MOUNTING

MA 5	13360369 (B)
	13360370 (W)

MA 5 is a U bracket for wall mounting all models of MR 50 speakers. It is available both in black and white colour.

MA 4	13360367 (B)
	13360368(W)

MA 4 is a U bracket for wall mounting all models of MR 40 speakers. It is available both in black and white colour.

Link

SPECIFICATIONS






	L 2406T	MQ 100L	CS 3082	WMF 33EN
Acoustical specifications				
Frequency Response (-10dB)	100 Hz - 20000 Hz	130 Hz - 20000 Hz	200 Hz - 20000 Hz	80 Hz - 22000 Hz
Max SPL @ 1m	126 dB	112 dB	106 dB	105 dB
Horizontal coverage angle	150°	180°	180°	100°
Vertical coverage angle	30°	60°	30°	160°
Coverage angle	-	-	-	-
Directivity index Q	9	-	-	-
System Sensitivity	97 dB	93 dB	91 dB	88 dB
Power section				
Amplification	Full Range	Full Range	-	Full Range
Nominal Impedance	8 ohm	16 ohm	8 ohm	8 ohm
Power Handling	200 W	80 W	30 W	40 W
Peak Power Handling	800 W PEAK	320 W PEAK	120 W PEAK	160 W PEAK
Protections	Dynamic active mosfet	PTC on tweeter	-	Thermal fuse - PTC
Crossover Frequencies	2000 Hz	2000 Hz	-	2500 Hz
Transducers				
Fullrange	-	-	-	-
Dome Tweeter	4 x 1.0", 1.0" v.c	2 x 0.75"	2 x 1.0"	1 x 1.0" neo, 1.0" v.c
Midrange	-	2 x 3.5"	-	-
Woofer	6 x 5.0", 1.0" v.c	2 x 3.5"	1 x 5.0", 1.0" v.c	2 x 3.0", 1.0" v.c
Input/Output section				
Input connectors	Euroblock	Euroblock	Screw Terminals	Ceramic screw terminals
Output connectors	-	Euroblock	Screw Terminals	Ceramic screw terminals
Constant Voltage Transformer	100 V	100 V	100 V	70/100 V
Power selection 1	60 W - 167 ohm	40 W - 250 ohm	30 W - 333 ohm	40 W - 250 ohm
Power selection 2	30 W - 333 ohm	20 W - 500 ohm	20 W - 500 ohm	20 W - 500 ohm
Power selection 3	15 W - 667 ohm	10 W - 1000 ohm	10 W - 1000 ohm	10 W - 1000 ohm
Power selection 4	10 W - 1000 ohm	5 W - 2000 ohm	-	5 W - 2000 ohm
Power selection 5	-	-	-	2.5 W - 4000 ohm
Standard compliance				
IP protection grade	-	-	IP 55	-
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
EN54-24 certified	-	-	-	0068/CPR/057-2019
Physical specifications				
Cabinet/Case Material	Baltic birch plywood	Plastic	Aluminum	ABS
Hardware	4 x M5 inserts	Wall mount bracket	Wall mount bracket	Wall mount bracket
Grille	Steel	Steel	Steel	Steel
Color	Black - RAL 9005 White - RAL 9003	Black - RAL 9005 White - RAL 9016	White - RAL 9016	Black - RAL 9005
Size / Weight				
Height	826 mm / 32.52"	500 mm / 19.69"	670 mm / 26.38"	399 mm / 15.71"
Width	135 mm / 5.31"	120 mm / 4.72"	78 mm / 3.07"	92 mm / 3.62"
Depth	140 mm / 5.51"	167 mm / 6.57"	66 mm / 2.6"	236 mm / 9.29"
Recessed Depth	-	-	-	-
Weight	12.8 kg / 28.22 lbs	2.73 kg / 6.02 lbs	2.7 kg / 5.95 lbs	5 kg / 11.02 lbs
Part Number				
Black	13000169	13000186	-	13100046
White	13000177	13000187	13000232	-







MF 33EN	DP 5EN	BS 5EN
80 Hz - 22000 Hz	80 Hz - 20000 Hz	80 Hz - 20000 Hz
105 dB	101 dB	101 dB
100°	-	-
160°	-	-
-	210°	170°
-	-	-
88 dB	88 dB	88 dB
Full Range	Full Range	Full Range
8 ohm	-	-
40 W	20 W	20 W
160 W PEAK	80 W PEAK	80 W PEAK
Thermal fuse - PTC	Thermal fuse	Thermal fuse
2500 Hz	6000 Hz	6000 Hz
-	1 x 5.0”	-
1 x 1.0” neo, 1.0” v.c	-	1 x 0.75”
-	-	-
2 x 3.0”, 1.0” v.c	-	1 x Coaxial 5.0”
Ceramic screw terminals	Ceramic screw terminals	Ceramic screw terminals
Ceramic screw terminals	Ceramic screw terminals	Ceramic screw terminals
70/100 V	100 V	100 V
40 W - 250 ohm	20 W - 500 ohm	20 W - 500 ohm
20 W - 500 ohm	10 W - 1000 ohm	10 W - 1000 ohm
10 W - 1000 ohm	5 W - 2000 ohm	5 W - 2000 ohm
5 W - 2000 ohm	2.5 W - 4000 ohm	2.5 W - 4000 ohm
2.5 W - 4000 ohm	-	-
-	IP 65	IP 65
CE compliant	CE compliant	CE compliant
0068/CPR/057-2019	0068-CPR-058/2014	0068-CPR-058/2014
ABS	ABS	ABS
Ceiling mount brackets	Wall mount metal plate	Wall mount metal plate
Steel	Steel	Steel
Black - RAL 9005	White - RAL 9016	White - RAL 9016
516 mm / 20.31”	183 mm / 7.2”	261 mm / 10.28”
94 mm / 3.7”	176 mm / 6.93”	176 mm / 6.93”
181 mm / 7.13”	261 mm / 10.28”	183 mm / 7.2”
178 mm / 7.01”	-	-
3.4 kg / 7.5 lbs	2.61 kg / 5.75 lbs	2.79 kg / 6.15 lbs
13100043	-	-
-	13133076	13133078

Link

VSA SERIES

DIGITALLY STEERABLE COLUMN SPEAKER

Advanced column array speakers with adjustable vertical directivity. Suitable for acoustically critical applications or spaces with architectural constraints.

The VSA II system allows the audio signal to be addressed exactly to the listening area, avoiding the radiation of the acoustic energy to ceilings and empty floors; this eliminates any bad reflections that would affect speech intelligibility, mainly in critical environments with high reverberation. VSA offers a precise directivity and control to give high intelligibility performance with wide frequency response, high-dynamics and coherence at distance. Thanks to the reliable and powerful amplifiers, the accurate speaker design, and the high efficiency of the digital technology, VSA II is able to achieve an extended and stable coverage, preserving at the same time a smooth uniform horizontal coverage.



The state of the art transducer developed for the VSA II offers the highest possible intelligibility and wider frequency response, according to RCF philosophy. A 1,4 tesla flux density is the result of the massive neodymium magnet to get an incredible mid frequency dynamic range. The neodymium magnet is very lightweight and helps to compact the size of the overall system.

BEAM CONTROL

Three different operational modes are available for a precise and fast set up of the column in any environment.

- “EASY FOCUS” CONFIGURATION

  Simple, easy and suitable for all systems, advisable for users and installers that are not so experienced. Only two parameters are necessary: the loudspeaker installation height and the maximum distance to be covered.

- “EASY BEAM” CONFIGURATION

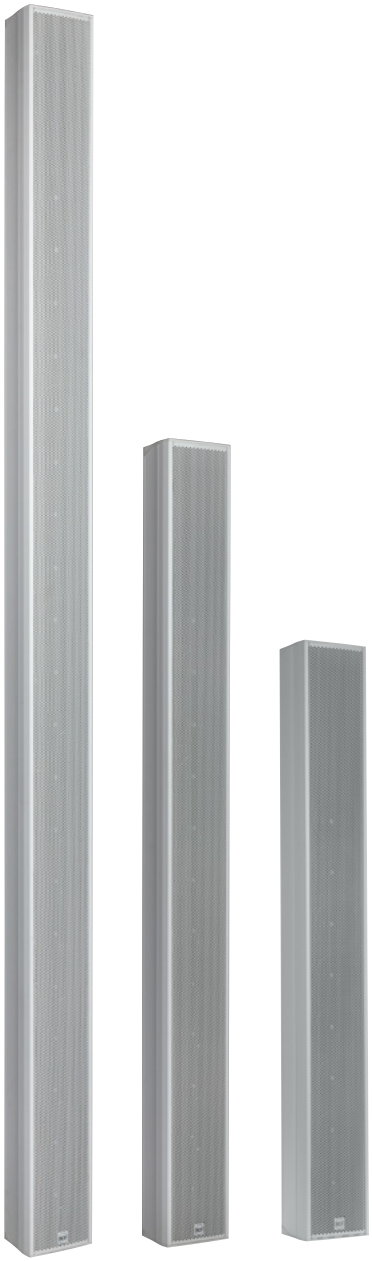
  For experts/installers, it allows the setting of both loudspeakers tilt and beam parameters.

- “FREE BEAM” CONFIGURATION

  Allows specifying the listening area by selecting a preset.

ARCHITECTURAL CAMOUFLAGE

The unobtrusive and robust aluminum cabinet blends seamlessly in any architecturally sensitive environments. The standard colors are black RAL 9005 and white RAL 9003, and custom colors are available on request. The modular design approach offers a uniform heat dissipation for maximum consistency over time. The installation is particularly simple thanks to the drilling template on the wooden package and the lightweight of the speaker. Optional swivel brackets are available on request if the column has to be oriented horizontally.





Case Study

Lugano Cathedral. Lugano, Switzerland.

Link





SPECIFICATIONS

		VSA 2050 II	VSA 1250 II	VSA 850 II
Acoustical specifications				
Frequency Response		100 Hz - 18000 Hz	120 Hz - 18000 Hz	130 Hz - 18000 Hz
Max SPL @ 30m		96 dB	94 dB	93 dB
Horizontal coverage angle		130°	130°	130°
Vertical coverage angle		30°	30°	30°
Transducers				
Fullrange		20 x 3.5” neo, 1.0” v.c	12 x 3.5” neo, 1.0” v.c	8 x 3.5” neo, 1.0” v.c
Input/Output section				
Input signal		bal/unbal	bal/unbal	bal/unbal
Input connectors		Ceramic screw terminals	Ceramic screw terminals	Ceramic screw terminals
Input sensitivity		0 dBu	0 dBu	0 dBu
Processor section				
Protections		Thermal, short circuit	Thermal, short circuit	Thermal, short circuit
Limiter		Soft Limiter	Soft Limiter	Soft Limiter
RDNet		Onboard	Onboard	Onboard
Power section				
Total Power		1300 W Peak, 650 W RMS	1300 W Peak, 650 W RMS	1300 W Peak, 650 W RMS
Cooling		Convection	Convection	Convection
Connections		VDE	VDE	VDE
Standard compliance				
Safety agency		CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material		Aluminum	Aluminum	Aluminum
Hardware		2 x wall mounting flange	2 x wall mounting flange	2 x wall mounting flange
Color		White, Custom color	White, Custom color	White, Custom color
Size / Weight				
Height		2070 mm / 81.5 inches	1340 mm / 52.76 inches	980 mm / 38.58 inches
Width		125 mm / 4.92 inches	125 mm / 4.92 inches	125 mm / 4.92 inches
Depth		97 mm / 3.82 inches	97 mm / 3.82 inches	97 mm / 3.82 inches
Weight		20 kg / 44.09 lbs	13.8 kg / 30.42 lbs	11.2 kg / 24.69 lbs
Part Number				
220-240V	White	13100022	13100025	13100028
115V	White	13100023	13100026	13100029
220-240V	Custom	13100024	13100027	13100030
115V	Custom	13100031	13100032	13100033

ACCESSORIES

RIGGING / MOUNTING

SWM-BR VSA II	13360442 (B)
	13360410 (W)

Each kit includes a pair of swivel brackets for wall mounting of a single RCF VSA 2050 II \ VSA 1250 II \ VSA 850 II Digitally steerable array loudspeaker system, with a horizontal angle pointing up to 60°.

ELECTRONICS

VSA SMART RC	13360330

VSA SMART RC is a remote control for VSA column speakers that works in conjunction with a dedicated application for smartphones running on iOS and Android OS. The remote control works via infrared communication, so it is necessary to point it properly to the speaker to be adjusted. Functions management is performed by the application. The kit includes the USB / RS485 adapter with RJ45 connection cable to setup the speaker through PC software.

TA1000 VSA	13360318

TA 1000 is an accessory that consists of a small printed circuit board with a transformer that allows the connection of a 100 V line (amplifier output) directly to the aux audio input (0 dBu) of an active speaker.

VSA SMART RC

The VSA-RC is an easy way to control the VSA speakers through the VSA Remote App available on iOS or Android. The following data are configurable on each VSA through the VSA-RC remote control:

- Select the proper beaming and tilting configuration
- Delay in metres
- Voice/music optimization filters
- Polarity
- Mute
- Volume
- Stand-By

Link

SUB SERIES

HIGH POWER SUBWOOFERS

Engineered with the latest transducer innovations from our laboratories and featuring a weatherproof design with IP67 connectors, S 29 and S 19 subwoofers deliver consistent, high-performance sound in any environmental condition.

S 29 & S 19

S 29 and S 19 are high-power subwoofers suitable for high-powered applications. The bass-reflex design ensures an efficient acoustic response down to 25 Hz. The highquality 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.

ADVANCED TRANSDUCER TECHNOLOGY

S 29 and S 19 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 29 and S 19 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.





Case Study

SchwarzGold. Dortmund, Germany.

Link

SPECIFICATIONS






	S 29	S 29 WP	S 19	S 19 WP
Acoustical specifications				
Frequency Response (-10dB)	25 Hz - 200 Hz	25 Hz - 200 Hz	30 Hz - 200 Hz	30 Hz - 200 Hz
Max SPL @ 1m	143 dB	143 dB	139 dB	139 dB
Power section				
Amplification	Full Range	Full Range	Full Range	Full Range
Nominal Impedance	4 ohm	4 ohm	8 ohm	8 ohm
Power Handling	3000 W	3000 W	1500 W	1500 W
Peak Power Handling	12000 W PEAK	12000 W PEAK	6000 W PEAK	6000 W PEAK
Transducers				
Woofer	2 x 19” neo, 4.0” v.c	2 x 19” neo, 4.0” v.c	1 x 19” neo, 4.0” v.c	1 x 19” neo, 4.0” v.c
Input/Output section				
Input connectors:	Speakon® NL4	Amphenol eco/mat IP 67	Speakon® NL4	Amphenol eco/mat IP 67
Output connectors:	Speakon® NL4	Amphenol eco/mat IP 67	Speakon® NL4	Amphenol eco/mat IP 67
Standard compliance				
Safety agency	CE compliant	CE compliant	CE compliant	CE compliant
Physical specifications				
Cabinet/Case Material	Plywood	Plywood	Plywood	Plywood
Handles	2 side	2 side	2 side	2 side
Pole mount/Cap	M20 thread	M20 thread	M20 thread	M20 thread
Grille	Steel with clothing	Steel grille with water-repellent protection	Steel with clothing	Steel grille with water-repellent protection
Size / Weight				
Height:	534 mm / 21.02 inches	534 mm / 21.02 inches	534 mm / 21.02 inches	534 mm / 21.02 inches
Width:	1300 mm / 51.18 inches	1300 mm / 51.18 inches	650 mm / 25.59 inches	650 mm / 25.59 inches
Depth:	730 mm / 28.74 inches	730 mm / 28.74 inches	730 mm / 28.74 inches	730 mm / 28.74 inches
Weight:	85 kg / 187.39 lbs	85 kg / 187.39 lbs	44 kg / 97 lbs	44 kg / 97 lbs
Part Number	13100097	13100108	13100096	13100117

ACCESSORIES

RIGGING / MOUNTING

FLB60676 | 13360676

The FLB60676 is a universal flybar designed for flexible subwoofer rigging.

FLB60673 | 13360673

The FLB60673 side suspension brackets are designed for flexible subwoofer rigging.

FLB60720 | 13360720

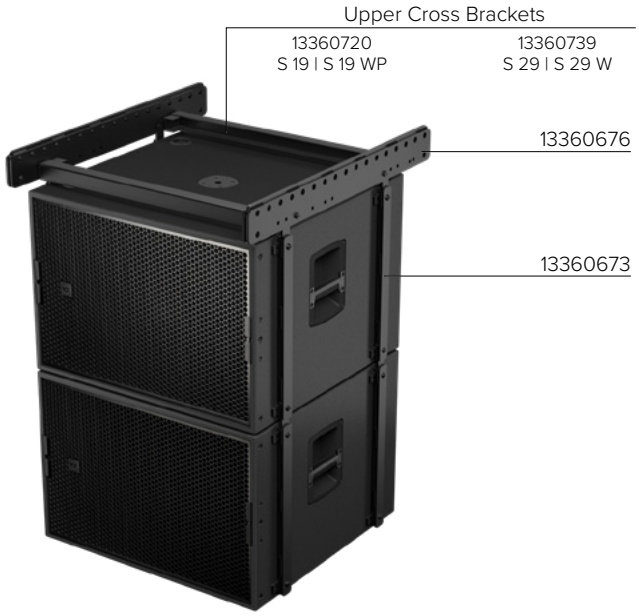
The FLB60720 is a robust bracket engineered to align flown systems, enhancing structural stability precisely. It must be used in combination with FLB60676 fly bar and FLB60673 brackets for the suspension of S 19 and S 19 WP subwoofers. Each package includes 2 brackets.

FLB60739 | 13360739

The FLB60739 is a robust top spacer engineered to align flown S 29 | S 29 W systems, enhancing structural stability precisely. Each package includes 2 spacers.
Please note that the kit for model S29 is available exclusively for the Flyable version.

FLB60742 | 13360742

FLB60742 is a kit of 2 brackets designed for hanging a COMPACT C 32 speaker under a S 19 subwoofer. The kit must be used in combination with FLB60676 suspension bar, FLB60720 and FLB60673 brackets. Suitable also for WP versions.



Link

SUB SERIES

COMPACT SUBWOOFERS

High-power, compact subwoofers designed for installations that demand impactful low frequencies in a minimal footprint. Their efficient design delivers output levels comparable to much larger enclosures, making them ideal for music playback in clubs, bars, cafés, theatres, and corporate environments.

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.

MULTIPURPOSE SOUND

Elegant design aesthetic, multiple formats and RCF signature sound quality that allows to deliver a supreme audio experience in any application, from restaurant and retail shops to clubs, corporate spaces and venues.

STATE OF THE ART TRANSDUCERS

The low-frequency transducers are a 10”, 12” and a 15” high-power woofers, both with a 2.5” voice coil. Their design is the result of the latest refinements in compact subwoofers production, resulting in a fast and controlled reproduction of the bass frequency range.

IMPROVE THE AUDIO ATMOSPHERE

Music helps engagement and will improve the hospitality of your activity, especially if the perceived sound quality is higher. This is the aim of RCF SUB S Series - optimal performance in both background music and high-powered foreground audio.





Case Study

BOX. Nottingham, UK.

Link

SPECIFICATIONS







	S 15	S 12	S 10
Acoustical specifications			
Frequency Response (-10dB):	35 Hz - 200 Hz	40 Hz - 200 Hz	45 Hz - 200 Hz
Max SPL @ 1m:	126 dB	125 dB	124 dB
System Sensitivity:	95 dB	93 dB	92 dB
Power section			
Amplification:	Full Range	Full Range	Full Range
Nominal Impedance:	8 ohm	8 ohm	8 ohm
Power Handling:	500 W RMS	400 W RMS	400 W RMS
Peak Power Handling:	2000 W PEAK	1600 W PEAK	1600 W PEAK
Transducers			
Woofer:	1 x 15”, 3.0” v.c	1 x 12”, 2.5” v.c	1 x 10”, 2.5” v.c
Input/Output section			
Input connectors:	Euroblock	Euroblock	Euroblock
Output connectors:	Euroblock	Euroblock	Euroblock
Standard compliance			
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material:	Plywood	Plywood	Plywood
Hardware:	12 x M10	12 x M10	12 x M10
Pole mount/Cap:	M20 thread	M20 thread	M20 thread
Grille:	Steel with clothing	Steel with clothing	Steel with clothing
Color:	Black	Black	Black
Size / Weight			
Height:	443 mm / 17.44 inches	373 mm / 14.69 inches	318 mm / 12.52 inches
Width:	630 mm / 24.8 inches	530 mm / 20.87 inches	450 mm / 17.72 inches
Depth:	500 mm / 19.69 inches	425 mm / 16.73 inches	360 mm / 14.17 inches
Weight:	27.5 kg / 60.63 lbs	24.6 kg / 54.23 lbs	19.6 kg / 43.21 lbs
Part Number	13000667	13000618	13000617

ACCESSORIES

UPGRADE KITS

PNL IN-OUT AMPHENOL	12399063

PNL IN-OUT AMPHENOL is an optional panel that allows to switch input/output connectors to AMPHENOL IP 67, making them fully weatherproof. This can be done easily thanks to the single connector on the back.

PNL IN-OUT SPEAKON	12399062

PNL IN-OUT is an optional panel that allows to switch from EUROBLOCK to SpeakON input / output connectors. This can be done easily thanks to the single connector on the back.

Link

SUB SERIES

ACOUSTICA SERIES

The legendary subwoofer line boasts low-frequency power and precision for your sound system.

POWERFUL LOW-FREQUENCY FOUNDATION

The SUB Subwoofers Series delivers deep, controlled bass in compact enclosures, designed for permanent installations in clubs, theatres, and outdoor environments.

ADVANCED RCF TRANSDUCERS

Equipped with high-efficiency RCF Precision woofers featuring high-performance Inside/Outside voice coils and hyper-vented magnet assemblies, these subs ensure maximum reliability, low power compression, and consistent output under continuous use.

HIGH OUTPUT AND EXTENDED RESPONSE

With frequency extension down to 35 Hz and maximum SPL levels up to 133 dB, the series provides tight, impactful low end that rivals much larger systems, supporting both music playback and live performance applications.

RUGGED INSTALLATION-READY DESIGN

Constructed from Baltic birch plywood with durable textured coatings, reinforced steel grilles, integrated handles, pole mounts, and NL4 connectors, these subwoofers are built to withstand demanding installations while ensuring easy integration and long-term reliability.





Case Study

MainRo. Los Angeles, California, USA.

Link

SPECIFICATIONS







	S 8028 II	S 8018 II	S 8015 II
Acoustical specifications			
Frequency Response (-10dB):	30 Hz - 200 Hz	30 Hz - 200 Hz	35 Hz - 200 Hz
Max SPL @ 1m:	141 dB	137 dB	133 dB
System Sensitivity:	101 dB	100 dB	98 dB
Power section			
Amplification:	Full Range	Full Range	Full Range
Nominal Impedance:	4 ohm	8 ohm	8 ohm
Power Handling:	3000 W	1500 W	1500 W
Peak Power Handling:	12000 W PEAK	6000 W PEAK	6000 W PEAK
Transducers			
Woofer:	2 x 18", 4.0" v.c	18" neo, 4.0" v.c	15" neo, 4.0" v.c
Input/Output section			
Input connectors:	Speakon® NL4	Speakon® NL4	Speakon® NL4
Output connectors:	Speakon® NL4	Speakon® NL4	Speakon® NL4
Standard compliance			
Safety agency:	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material:	Baltic birch plywood	Baltic birch plywood	Baltic birch plywood
Handles:	Integrated hand carry points	Integrated hand carry points	Integrated hand carry points
Pole mount/Cap:	M20 thread	M20 thread	M20 thread
Grille:	Metal	Metal	Steel
Color:	Black	Black	Black
Size / Weight			
Height:	639 mm / 25.16 inches	639 mm / 25.16 inches	529 mm / 20.83 inches
Width:	1045 mm / 41.14 inches	530 mm / 20.87 inches	440 mm / 17.32 inches
Depth:	770 mm / 30.31 inches	770 mm / 30.31 inches	615 mm / 24.21 inches
Weight:	80 kg / 176.37 lbs	43 kg / 94.8 lbs	34 kg / 74.96 lbs
Part Number	13000391	13000390	13000398



S 8015LP

43 Hz - 250 Hz
135 dB
99 dB
Full Range
8 ohm
800 W
3200 W PEAK
15”, 4.0” v.c
Speakon® NL4
Speakon® NL4
CE compliant
Baltic birch plywood
-
-
-
Black
310 mm / 12.2 inches
900 mm / 35.43 inches
380 mm / 14.96 inches
25.2 kg / 55.56 lbs
13000168

Link

SUB SERIES

ULTRA-COMPACT SUBWOOFERS

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.

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.

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



	S 08-A
Acoustical specifications	
Amplifier Class	D
Output Power	4 x 250 W @ 4 ohm 4 x 250 W @ 8 ohm
Frequency Response (-3dB)	20 Hz - 20000 Hz
Transducers	
Woofer	1 x 8'', 1.5'' v.c
Input section	
Total number of inputs	4
Mic inputs	2
Mic connectors	Combo XLR/Jack
Line inputs	2
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, Thermal, DC, Fuses, VHF (Very High Frequencies)
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

SPECIFICATIONS



	S 08
Acoustical specifications	
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
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:	8.7 kg / 19.18 lbs
Part Number	
90-240V	13000937

XPS SERIES

HIGH-POWER 4-CHANNEL DSP AMPLIFIERS

XPS provides extreme power density in 2 RU space for both touring and installed sound systems. The unit features 4 analog and digital AES/EBU inputs/outputs, a Dante Network ready design, and complete signal processing, tuning, and routing capability all at 96 kHz.

POWER YOU CAN TRUST

RCF's effort in assisting both installers and sound providers with the best audio technology and clear, powerful sound is at the core of the company's beliefs. Since 1949, providing both power amplifiers and transducers to the professional market, the RCF experience marks a new milestone with XPS.

FULLY SELF-PROTECTING AND DESIGNED ON AN "AUDIO-AT-ALL-TIMES" PRINCIPLE

XPS is self-protected and continues to operate regularly in challenging conditions. All fault protection features are implemented individually for each channel. The universal power supply adapts to a wide range of AC power, from 110 VAC single-phase to 380 VAC three-phase @50/60 Hz, allowing their use in many different countries and venues.

NEW ATTITUDE IN SOUND MANAGEMENT

XPS supports the RCF philosophy with a power-agnostic approach, where the sound system engineer has complete freedom in choosing powered, or externally amplified, modules for their system. XPS offers a new solution for balancing portability, weight, ease of installation, cabling, fast setup speed, and complete remote management of each connected device, via RDNet.

INTUITIVE OPERATION

A large 4.3" TFT color capacitive touchscreen provides full operational control of the amplifier. The user interface is clear and easy to navigate, 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 engineer to have complete remote control of the amplifier.

QUALITY POWER FOR FIXED SOUND SYSTEMS

XPS Series is the best choice for high-power installation systems such as auditoriums, theme parks, and performance venues. Whether perfectly integrating with RCF passive speakers with ready-to-use presets, XPS provides installation-specific features, including enhanced system status monitoring, GPIOs for extended capabilities, flexible routing, and perfect integration with our proprietary RDNet management platform.

FINE TUNING FEATURES

The XPS digital architecture features advanced proprietary FiRPHASE filters, BMC woofer excursion management, fine-tuning algorithms such as BASS Shaper, Air Compensation and Mid-Low Correction. The amplifier includes output delays of up to 4000ms in increments of 0.10 ms and various filters and crossovers, such as Dynamic PEQ and High/Low-pass filters.

DIGITAL SIGNAL PROCESSING

Combining high-quality AD/DA converters at 96 kHz, two 40-bit floating-point SHARC DSP chips running at 96 kHz for audio processing and two more 32-bit DSP chips for signal routing, the internal DSP board ensures linear and low-noise operation over the entire frequency range.

SCALABLE XPS ECOSYSTEM

XPS 4K belongs to the scalable XPS platform, with a consistent RDNet workflow and preset-driven system tuning across the range. From compact 2U deployments to higher-density solutions such as XPS 16K for up to 16,000 Watts continuous power, the ecosystem enables standardized monitoring, control, and system optimization while scaling to the needs of each project.





Case Study

Morgan Wallen's This Bar. Nashville, USA.

Link

SPECIFICATIONS





	XPS 16K	XPS 16KD	XPS 4K	XPS 4KD
Amplifier specifications				
Amplifier Class	D		D	
Output Power (EIAJ 8:32 all channels driven)	4 x 4000 W @ 2.7 ohm 4 x 2600 W @ 4 ohm 4 x 1400 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)	>111 dB		>108 dB	
SNR Digital inputs (unweighted)	>115 dB		>112 dB	
Crosstalk	<70 dB		<70 dB	
Distortion (THD+N) (20 Hz - 20000 Hz, 1000 W @ 4 ohm)	<0.2 %		<0.2 %	
Gain (linear mode @ 0 dB)	32 dB		32 dB	
Damping factor (@ 4 ohm, 20 Hz - 1500 Hz)	>95		>200	
Max burst length (@ 50 Hz, CF = 7 dB, 4 ohm, 1% THD+N)	200 ms		100 ms	
Input section				
Total number of inputs	8	16	8	16
Line inputs	4		4	
Line connectors	XLR		XLR	
Digital inputs	4	12	4	12
Digital connectors	XLR	Ethercon, XLR	XLR	Ethercon, XLR
Digital type	AES/EBU	AES/EBU, DANTE	AES/EBU	AES/EBU, DANTE
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	2 SHARC, 40-bit floating point, 96 kHz 2 ADAU, 32-bit fixed point, 96 kHz		2 SHARC, 40-bit floating point, 96 kHz 2 ADAU, 32-bit fixed point, 96 kHz	
EQ Filters	Peaking | HI/LO-shelving | HI/LO-pass (Butterworth, Linkwitz-Riley, Bessel)		Peaking | HI/LO-shelving | HI/LO-pass (Butterworth, Linkwitz-Riley, Bessel)	
Advanced algorithms	FiRPHASE technology BASS shaper Air compensation Mid-low correction Driver excursion control	Dynamic PEQ multi-band Compressor Pilot tone detection Backup recovery strategy Impedance load measurement	FiRPHASE technology BASS shaper Air compensation Mid-low correction Driver excursion control	Dynamic PEQ multi-band Compressor Pilot tone detection Backup recovery strategy Impedance load measurement
Compressors	RMS limiter | dynamic compressor | power limiter | thermal compressor		RMS limiter | dynamic compressor | power limiter | thermal compressor	
Delay	0 - 4000 ms (each channel)		0 - 4000 ms (each channel)	
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	
RDNet	Onboard		Onboard	
Protections	Cooling (Forced) | Short circuit | Thermal | DC | Fuses | VHF (Very High Frequencies)		Cooling (Forced) | Short circuit | Thermal | DC | Fuses | VHF (Very High Frequencies)	

		XPS 16K	XPS 16KD	XPS 4K	XPS 4KD
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		<35 dBA		<28 dBA	
Fan noise max		<64 dBA		<48 dBA	
Power requirement					
Operating voltage		90-240 V~ 50/60Hz		90-240 V~ 50/60Hz	
Nominal current AC @ 100-120 V		30 A		14 A	
Nominal current AC @ 220-240 V		16 A		8 A	
Stand by power consumption		20 W		30 W	
Idle power consumption		90 W		100 W	
Power consumption		5800 W		2600 W	
Main fuse		Internal		Internal	
Fuses Model		-	F 315 mA H 100 V	-	
Standard compliance					
Safety agency		CE compliant, UL 62368-1, 3rd Ed. CSA C22.2 No. 62368-1:19, 3rd Ed.		CE compliant	
Physical specifications					
Cabinet/Case Material		Metal		Metal	
Handles		2 metal handles for rack mount		2 metal handles for rack mount	
Color		Black - RAL 9005		Black - RAL 9005	
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		15 kg / 33.07 lbs		11 kg / 24.25 lbs	
Part Number					
90-240 V	EU	12100037	12100064	12100083	12100084
90-240 V	US	12100074	12100075	12100085	12100086
90-240 V	UK	12100076	12100077	12100125	12100126





Link

KPS SERIES

MULTICHANNEL DSP AMPLIFIERS

High-density installation-specific multichannel amplifiers with adaptable power allocation across outputs, Advanced Processing and Flexible Matrix Routing.

MULTIPURPOSE SOUND SOLUTION

The KPS Series Class-D multichannel amplifiers for professional audio installations are designed to offer maximum flexibility in complex and demanding scenarios such as conference centers, corporate systems, retail environments, theme parks, and museums.
KPS amplifiers provide 160 W and 800 W per channel, available in 2-, 4-, and 8-channel configurations, with dynamic and asymmetric power allocation between channels without having to bridge channels or lose channel count. Outputs can be configured for low-impedance (2.7, 4 and 8 ohms) or high-impedance (70 / 100 V) systems.

ONBOARD DSP

The powerful onboard DSP enables precise and optimized signal processing in all situations, along with complete management of the input/output matrix. In addition, the preset library for RCF speakers makes KPS amplifiers a ready-to-use solution. Configuration is enabled through the RCF RDSpace software, available as both a desktop application and a web-based version accessible from mobile devices such as smartphones and tablets. In this mode, direct access to devices is also possible without the need for a network switch, thanks to native Wi-Fi connectivity. The device features an integrated wireless access point, enabling straightforward Wi-Fi configuration directly on the unit—no external access point required.

FLEXIBLE ROUTING AND INTEGRATION

In addition to balanced and unbalanced analog inputs, KPS amplifiers feature an S/PDIF digital input that can be forwarded to subsequent units, creating a common audio bus.
Every KPS Series model can be ordered with an integrated Audinate Dante™ audio-over-IP interface, providing bidirectional, low-latency, lossless multichannel audio transport over standard Ethernet infrastructure. The units enable seamless integration with automation ecosystems such as Q-SYS, AMX, Crestron, or Control4.

INTELLIGENT POWER ALLOCATION

The KPS 16X Series delivers class-leading power density, packing four independent 160 W RMS channels into a compact 1 U, half-rack-width chassis. Its intelligent power-sharing architecture can re-allocate up to 300 W to any individual channel, giving installers the freedom to distribute power asymmetrically across outputs without engaging bridge mode or sacrificing channel count—perfect for optimising headroom when driving RCF loudspeakers.

GLOBAL OPERATIONAL SAFETY

A universal, regulated switch-mode power supply (SMPS) with Power Factor Correction (PFC) and integral standby converter automatically adapts to any mains voltage from 100 V to 240 V, 50 – 60 Hz, delivering stable power worldwide. Comprehensive protection circuitry shields the unit from short circuits, DC offsets, high-frequency faults, undervoltage, excessive temperature, and overload conditions.



RDSpace

Control Software Platform

RDSpace is an adaptive software for managing KPS amplifiers in professional audio systems. Through a single interface, users can handle every stage of deployment—input routing, zone definition, output optimization, and speaker calibration—with real-time monitoring. The software scales smoothly from small venues to large, multi-zone networks, giving operators quick access to presets or deeper configuration tools as the project demands.

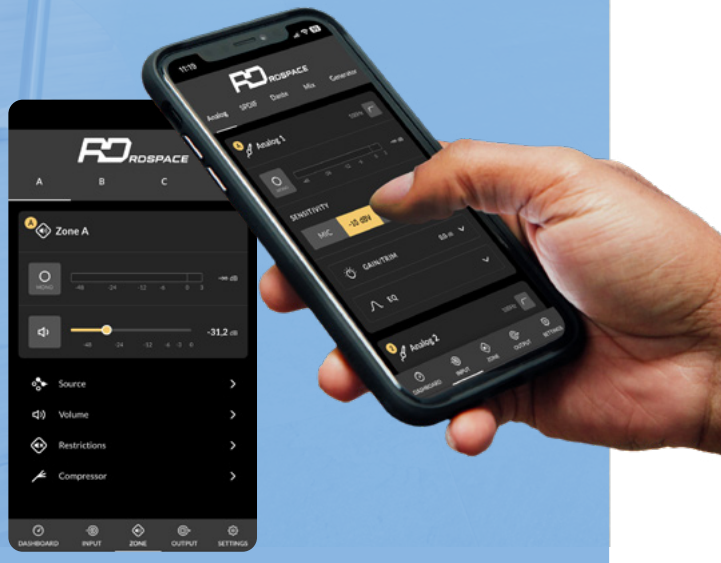
RDSpace allows management of linear-phase FIR filtering, speaker presets and user presets, flexible routing, parametric EQ, precision delay, and full device control. All configuration and monitoring take place in a single application, with the same unified interface, giving operators complete command of the entire audio system from every screen.

MULTI ZONES WALL CONTROLLER

The RC KPS is a wall-mounted, networked PoE controller designed for RCF KPS amplifiers that provide input selection and volume control. Its minimalist design uses high-performance polymer with a touch-friendly matte finish and concealed screws and offers dark and light display color schemes, brightness settings, and button backlight options, supports instant network pairing and configuration via RDSpace.



- Input mixing
- Speaker presets
- Multi-Zone setup
- End-user control
- Priority and ducking
- Input and output EQ
- S/PDIF output routing
- High-pass filter
- Compressors
- Limiters
- Delay
- In-room controller configuration



SPECIFICATIONS





	KPS 808	KPS 808D	KPS 804	KPS 804D	KPS 802	KPS 802D
Acoustical specifications						
Amplifier Class	D		D		D	
Output Power (all channels driven)	8 x 800 W @ 2 ohm 8 x 800 W @ 4 ohm 8 x 400 W @ 8 ohm 4 x 1600 W @ 4 ohm (bridge) 4 x 1600 W @ 8 ohm (bridge)		4 x 800 W @ 2 ohm 4 x 800 W @ 4 ohm 4 x 400 W @ 8 ohm 2 x 1600 W @ 4 ohm (bridge) 2 x 1600 W @ 8 ohm (bridge)		2 x 800 W @ 2 ohm 2 x 800 W @ 4 ohm 2 x 400 W @ 8 ohm 1 x 1600 W @ 4 ohm (bridge) 1 x 1600 W @ 8 ohm (bridge)	
Output power @ 100 V	4 x 1600 W @ 100 V		2 x 1600 W @ 100 V		2 x 1600 W @ 100 V	
Output power @ 70 V	4 x 1200 W @ 70 V		2 x 1200 W @ 70 V		2 x 1200 W @ 70 V	
Frequency Response (-3dB)	20 Hz - 20000 Hz		20 Hz - 20000 Hz		20 Hz - 20000 Hz	
SNR Analog inputs (“A” weighted)	>108 dB		>108 dB		>108 dB	
SNR Digital inputs (“A” weighted)	>108 dB		>108 dB		>108 dB	
Distortion (THD+N) (20 Hz - 20000 Hz,400 W @ 8 ohm)	<0.05 %		<0.05 %		<0.05 %	
Input section						
Total number of inputs	9	13	5	9	5	9
Mic+Line inputs	8		4		4	
Mic+Line connectors	Euroblock, RCA		Euroblock, RCA		Euroblock, RCA	
Digital inputs	1		1		1	
Digital connectors	RCA		RCA		RCA	
Digital type	S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF
General Purpose Inputs (GPI)	5		4		4	
Programmable GPI	Yes		Yes		Yes	
Output section						
Signal output number	1		1		1	
Signal output connectors	RCA		RCA		RCA	
Power output connectors	Euroblock		Euroblock		Euroblock	
General Purpose Outputs (GPO)	5		5		5	
Programmable GPO	Yes		Yes		Yes	
Processing						
DSP	Yes		Yes		Yes	
Configuration and control						
Software Platform	RDSpace		RDSpace		RDSpace	
Network	Ethernet		Ethernet		Ethernet	
RCF speakers presets	Yes		Yes		Yes	
Priority	Yes		Yes		Yes	
Protocols for system integration	AMX, Control4, Elan, Q-SYS, RTI, Symetrix, URC		AMX, Control4, Elan, Q-SYS, RTI, Symetrix, URC		AMX, Control4, Elan, Q-SYS, RTI, Symetrix, URC	
Protections						
Cooling	Forced		Forced		Forced	
Short circuit, Thermal, DC, Fuses, VHF (Very High Frequencies)	Yes		Yes		Yes	
Power requirement						
Operating voltage	90-240 V~ 50/60Hz		90-240 V~ 50/60Hz		90-240 V~ 50/60Hz	
Power consumption	1400 W		700 W		350 W	
Standard compliance						
Safety agency	CE compliant, UL62368-1		CE compliant, UL62368-1		CE compliant, UL62368-1	
Physical specifications						
Cabinet/Case Material	Metal		Metal		Metal	
Rack mounting	19”, 2U *		19”, 2U *		19”, 2U *	
Size / Weight						
Height:	88 mm / 3.46 inches		88 mm / 3.46 inches		88 mm / 3.46 inches	
Width:	483 mm / 19.02 inches		483 mm / 19.02 inches		483 mm / 19.02 inches	
Depth:	414 mm / 16.3 inches		320 mm / 12.6 inches		320 mm / 12.6 inches	
Weight:	11.6 kg / 25.57 lbs		7.4 kg / 16.31 lbs		5.9 kg / 13.01 lbs	
Part Number						
EU 90-240 V	12100098	12100099	12100096	12100097	12100094	12100095
US 90-240 V	12100122	12100123	12100120	12100121	12100118	12100119








KPS 168	KPS 168D	KPS 164	KPS 164D	KPS 162	KPS 162D
D		D		D	
8 x 160 W @ 4 ohm 8 x 160 W @ 8 ohm 4 x 320 W @ 8 ohm (bridge)		4 x 160 W @ 4 ohm 4 x 160 W @ 8 ohm 2 x 320 W @ 8 ohm (bridge)		2 x 160 W @ 4 ohm 2 x 160 W @ 8 ohm 1 x 320 W @ 8 ohm (bridge)	
4 x 320 W @ 100 V		2 x 320 W @ 100 V		1 x 320 W @ 100 V	
4 x 320 W @ 70 V		2 x 320 W @ 70 V		1 x 320 W @ 70 V	
20 Hz - 20000 Hz		20 Hz - 20000 Hz		20 Hz - 20000 Hz	
>106 dB		>106 dB		>106 dB	
>106 dB		>106 dB		>106 dB	
<0.05 %		<0.05 %		<0.05 %	
9	13	5	9	5	9
8		4		4	
Euroblock, RCA		Euroblock, RCA		Euroblock, RCA	
1		5		1	
RCA		RCA		RCA	
S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF	S/PDIF	DANTE, S/PDIF
5		4		5	
Yes		Yes		Yes	
1		1		1	
RCA		RCA		RCA	
Euroblock		Euroblock		Euroblock	
5		5		5	
Yes		Yes		Yes	
Yes		Yes		Yes	
RDSpace		RDSpace		RDSpace	
Ethernet		Ethernet		Ethernet	
Yes		Yes		Yes	
Yes		Yes		Yes	
AMX, Q-SYS, Symetrix, RTI, Elan		AMX, Q-SYS, Symetrix, RTI, Elan		AMX, Q-SYS, Symetrix, RTI, Elan	
Forced		Forced		Forced	
Yes		Yes		Yes	
90-240 V~ 50/60Hz		90-240 V~ 50/60Hz		90-240 V~ 50/60Hz	
300 W		150 W		75 W	
CE compliant, UL62368-1		CE compliant, UL62368-1		CE compliant, UL62368-1	
Metal		Metal		Metal	
19", 1U		1/2 19", 1U *		1/2 19", 1U *	
44 mm / 1.73 inches		44 mm / 1.73 inches		44 mm / 1.73 inches	
483 mm / 19.02 inches		220 mm / 8.66 inches		220 mm / 8.66 inches	
319 mm / 12.56 inches		319 mm / 12.56 inches		213 mm / 8.39 inches	
3.8 kg / 8.38 lbs		2.8 kg / 6.17 lbs		2 kg / 4.41 lbs	
12100092	12100093	12100090	12100091	12100088	12100089
12100116	12100117	12100114	12100115	12100112	12100113



ACCESSORIES

ELECTRONICS

RC KPS US - W	12399117

Wall mount remote control.

RC KPS US - B	12399116

Wall mount remote control.

RC KPS EU - W	12399115

Wall mount remote control.

RC KPS EU - B	12399114

Wall mount remote control.

RC KPS US



RC KPS EU



RACK COMPONENT

RMK KPS	13360743

RMK KPS allows to install KPS amplifiers with 1/2 rack unit size into a standard 19" rack cabinet. The kit includes all those parts necessary to install one or two KPS units in the same rack slot.

RRB KPS	13360746

RRB KPS offers a rear rack mount for KPS 1/2 rack unit amplifiers. It is particularly useful in all circumstances where absolute stability of the devices in the rack cabinet is required (e.g. during transport).

WMK KPS	13360744

WMK KPS allows to install KPS amplifiers with 1/2 rack unit size on a wall, a ceiling or under a desk. It is particularly useful for distributed installation in complex environments.

DMA SERIES

DIGITAL MATRIX AMPLIFIERS

Compact Class-D amplifiers equipped with a powerful DSP platform and remote control, ideal for a wide range of install applications.

FULL ON-BOARD PROCESSING

Equipped with a powerful DSP platform, DMA units integrate RCF advanced proprietary technologies, conceived to optimize speaker performance:

- FiRPHASE - FiR filtering technology
- BASS ENHANCER, a sophisticated algorithm that increases low frequencies perception.

PROCESSING FEATURES

Processing features include low-pass filters, hi-pass filters, 8 PEQ, high shelf, limiter, and gain.

SCALABLE ARCHITECTURE

To fit with any installation need, DMA amplifiers have been designed with a highly scalable architecture and each device can distribute 4 audio channels to satellite units. This allows increasing installed power and creating a multi-room architecture. The connection can be done with just 1 CAT5e cable. Each satellite unit can be differently set using the DIP-SWITCH on the rear panel to receive the desired channels.

ROBUST AND ATTRACTIVE DESIGN

Thanks to their attractive design, extremely compact size and environmental robustness, DMA represent a junction point between professional and consumer markets.

EASY AND FLEXIBLE CONFIGURATION

The configuration is a key point for the success of sound reinforcement systems: it's easy and flexible for any kind of user, from the less to the more skilled one. DMA amplifiers offer different configuration levels, from user-friendly front panel control interface to RDNet, for large and complex systems.

SPEAKERS PRESETS

Processing functions are combined in a highly distinctive feature, SPEAKERS PRESETS, pre-loaded equalization packages optimizing the performance of any RCF speaker. Just select the speakers connected to the amplifier to automatically get the right RCF signature sound.

The **DMA CONNECT** app for Android and iOS provides wireless control of RCF DMA Series Business Music amplifiers. Thanks to its accurate and user-friendly interface, it gives access to DMA settings such as input and output levels, equalizers, routing, speaker presets selection, device information, and real-time VU-meters. Advanced settings for expert users are also available together with many useful features, including customizable names for input, outputs, and devices.

The app is available as a free download on Apple Store and Google Play store. It shall be used in combination with BT BOARD DMA, the additional board that connects DMA amplifiers to mobile devices over Bluetooth, allowing audio streaming and control.





Case Study

ŻeromPark Family Activity Center. Sosnowiec, Poland.

Link

SPECIFICATIONS






	DMA 504	DMA 162	DMA 82	DMA 162P
Acoustical specifications				
Amplifier Class	D	D	D	D
Output Power (EIAJ 8:32 all channels driven)	4 x 700 W @ 2.7 ohm 4 x 500 W @ 4 ohm 4 x 300 W @ 8 ohm 2 x 1100 W @ 4 ohm (bridge) 2 x 1000 W @ 8 ohm (bridge)	2 x 160 W @ 4 ohm 2 x 160 W @ 8 ohm 1 x 320 W @ 4 ohm (bridge) 1 x 320 W @ 8 ohm (bridge)	2 x 80 W @ 4 ohm 2 x 80 W @ 8 ohm 1 x 160 W @ 4 ohm (bridge) 1 x 160 W @ 8 ohm (bridge)	2 x 160 W @ 4 ohm 2 x 160 W @ 8 ohm 1 x 320 W @ 4 ohm (bridge) 1 x 320 W @ 8 ohm (bridge)
Output power @ 70 V	2 x 1000 W @ 70 V	1 x 320 W @ 70 V	1 x 160 W @ 70 V	1 x 320 W @ 70 V
Frequency Response (-3dB)	20 Hz - 20000 Hz	20 Hz - 20000 Hz	20 Hz - 20000 Hz	20 Hz - 20000 Hz
SNR Analog inputs (“A” weighted)	-	-	-	>93 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.05 %	<0.01 %	<0.01 %	<0.01 %
Input/Output section				
Total number of inputs	5	5	5	6
Balanced	2	2	2	4
Unbalanced	3	3	3	2
Mono	2	2	2	4
Stereo	3	3	3	2
Line inputs	3	3	3	6
Line connectors	JACK, Picoflex, RCA	JACK, Picoflex, RCA	JACK, Picoflex, RCA	JACK, Picoflex, RCA
Mic+Line inputs	1	1	1	-
Mic+Line connectors	Euroblock	Euroblock	Euroblock	-
VOX	Yes	Yes	Yes	-
Paging inputs	1	1	1	-
Paging connectors	RJ45	RJ45	RJ45	-
Paging command	Contact	Contact	Contact	-
General Purpose Inputs (GPI)	1	1	1	2
Output section				
Signal output number	1	1	1	1
Signal output connectors	RCA	RCA	RCA	RCA
Power output connectors	Euroblock	Euroblock	Euroblock	Euroblock
Processing DSP, EQ Filters, FIR, Compressors, Tone controls	Yes	Yes	Yes	Yes
High-pass filter	80 Hz - 200 Hz	80 Hz - 200 Hz	80 Hz - 200 Hz	80 Hz - 200 Hz
Configuration and control				
Configuration	Front panel, PC Software	-	Front panel, PC Software	DIP switch, PC Software
RCF speakers presets	Yes	Yes	Yes	Yes
Protocols for system integration	Proprietary	-	-	-
Protections				
Cooling	Forced	Forced	Forced	Forced
Short circuit, Thermal, DC, Fuses, VHF (Very High Frequencies)	Yes	Yes	Yes	Yes
Power requirement				
Operating voltage	90-240 V~ 50/60Hz	90-240 V~ 50/60Hz	90-240 V~ 50/60Hz	90-240 V~ 50/60Hz
Power consumption	800 W	400 W	200 W	400 W
Standard compliance				
Safety agency	CE compliant	CE compliant, UL 62368-1	CE compliant, UL 62368-1	CE compliant, UL 62368-1
Physical specifications				
Cabinet/Case Material	Metal	Metal	Metal	Metal
Color	Black	Black	Black	Black
Rack mounting	19", 2U	1/2 19", 1U, Optional rack mounting accessory required	1/2 19", 1U, Optional rack mounting accessory required	1/2 19", 1U, Optional rack mounting accessory required

		DMA 504	DMA 162	DMA 82	DMA 162P
Size / Weight					
Height		96 mm / 3.78 inches	44 mm / 1.73 inches	44 mm / 1.73 inches	44 mm / 1.73 inches
Width		430 mm / 16.93 inches	213 mm / 8.39 inches	213 mm / 8.39 inches	213 mm / 8.39 inches
Depth		360 mm / 14.17 inches	314 mm / 12.36 inches	314 mm / 12.36 inches	304 mm / 11.97 inches
Weight		6.2 kg / 13.67 lbs	1.7 kg / 3.75 lbs	1.7 kg / 3.75 lbs	1.65 kg / 3.64 lbs
Part Number					
90-240 V	EU	12100035	12100027		12100028
90-240 V	US	12100048	12100041		12100042
90-240 V	UK	12100049	12100044		12100045







RC 401 EU



RC 401 US



BM 504

ACCESSORIES

ELECTRONICS

BT BOARD DMA 12399065

The BT BOARD is an additional board that allows to connect a DMA amplifier to a mobile device using Bluetooth technology.

RDNET BOARD DMA 12399048

RDNET BOARD is an expansion board for DMA amplifiers units that instantly enables your devices into an RDNet network.

BM 404 14322031

BM 404 is a desktop paging console that allows making selective calls to 4 zones.

TRF-KIT DMA 162 12399069

TRF-KIT DMA 162 is a 2 line transformers kit that allows to convert each DMA 162 (or DMA 162P) amplifier low impedance speakers output into a 100V constant voltage line.

TRF-KIT DMA 82 12399068

TRF-KIT DMA 82 is a 2 line transformers kit that allows to convert each DMA 82 amplifier low impedance speakers output into a 100V constant voltage line.

RC 401 EU 12399051 (B) / 12399052 (W)

1 Volume & 2 Buttons equipped wall mount control panel for DMA 82 and DMA 162 units.

ELECTRONICS

RC 401 US 12399053 (B) / 12399054 (W)

1 Volume & 2 Buttons equipped wall mount control panel for DMA 82 and DMA 162 units.

RACK COMPONENTS

AR 1050 17360039

1 unit accessory for installation in RCF CR2600 series racks.

RM-KIT DMA 13360426

RM-KIT DMA accessory provides mounting DMA amplifiers individually or two amps side by side in a standard 19" rack cabinets.

Link

QPS SERIES

FOUR CHANNELS PROFESSIONAL POWER AMPLIFIERS

QPS Series is a range of four-channel professional amplifiers that combine high-quality performance and reliability with the latest power amplification technologies.

QPS Series products are high-performance, versatile power amplifiers for both touring and install applications, using sophisticated Class-HD topology with four single-channel outputs or one/two bridged outputs, parallel or stereo. Three dip-switches allow setting the maximum output voltage peak for each channel among eight values. High-efficiency heat sinks and variable-speed fans can withstand the most extreme heat conditions ensuring steady power output stability over time. High quality, low distortion audio output, RCF reliability, and industry-standard speakON connectors make QPS Series the hassle-free solution for sound systems and permanent installation applications.

- Fast response and low distortion
- Stereo, parallel, bridge modes
- Comprehensive protection circuits
- Variable speed cooling
- Signal, clip, fault led indicators
- Limiter on each channel

SELF-PROTECTING ARCHITECTURE

QPS amplifiers implement several safety strategies protecting both the amplifier and the sound system, including an effective peak limiting protection for the transducers. The temperature-controlled continuous variable speed double-fan system (front to back), combined with the high-efficiency heat sinks, allows the amplifier to maintain a safe, working temperature no matter the environmental temperature or the power output. The circuit is protected from overheating and short circuits, also including protections against infrasonic DC and Very High Frequency (VHF) peaks from non-musical signals that could damage transducers.

HD DESIGNED DRIVING POWER

Our HD amplifier technology features a very efficient power output section with a design focused on musicality, maintaining a natural and clear sound at all frequencies, with smooth highs and a tight, high impact low end. The power supply rails continuously track the input signal for remarkable signal purity while preserving the high efficiency of the Class-D design. QPS amplifiers are bridgeable and maintain high reliability with complex loads as low as 2 Ohms nominal.

REMARKABLE AUDIO PERFORMANCE

With a very high signal-to-noise ratio, QPS amplifiers also boast a very low total harmonic distortion, making it perfect for highly demanding music applications hence delivering perfect vocal intelligibility.

CUSTOMIZED QUALITY CONTROL

All amplifier modules are subjected to rigorous quality testing during the production process. Each device is quality controlled with automated equipment and human supervision. Our QC process ensures that every amplifier module performs best off the production line. This unique system ensures extremely tight quality loops, securing a high overall quality level.





Case Study

La Vela Sunrise. Caorle, Italy.

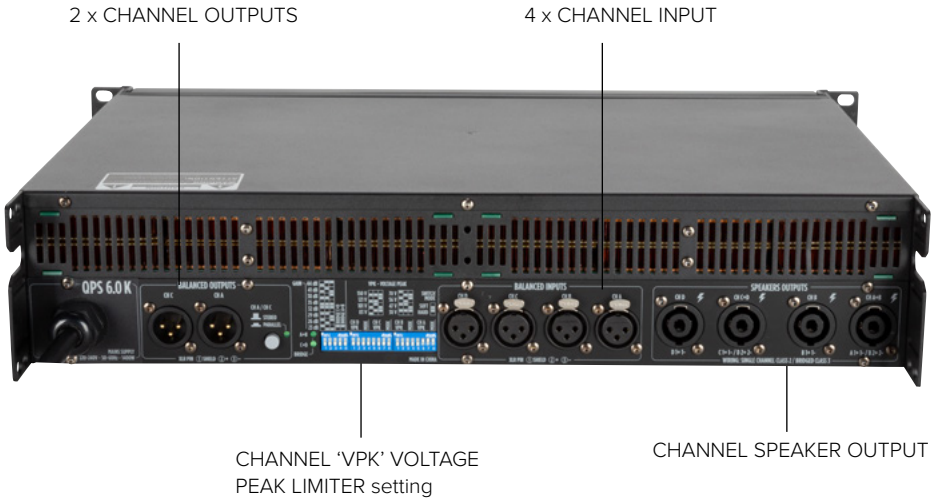
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SPECIFICATIONS





	QPS 10K	QPS 6.0K
Acoustical specifications		
Amplifier Class	HD	HD
Output Power	4 x 2500 W @ 2 ohm 4 x 2200 W @ 4 ohm 4 x 1400 W @ 8 ohm 2 x 5000 W @ 4 ohm (bridge) 2 x 4400 W @ 8 ohm (bridge)	4 x 1500 W @ 2 ohm 4 x 1300 W @ 4 ohm 4 x 700 W @ 8 ohm 2 x 3000 W @ 4 ohm (bridge) 2 x 2600 W @ 8 ohm (bridge)
Frequency Response (-3dB)	20 Hz - 20000 Hz	20 Hz - 20000 Hz
SNR Analog inputs (“A” weighted)	>110 dB	>110 dB
Crosstalk	<70 dB	<70 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.05 %	<0.05 %
Input section		
Total number of inputs	4	4
Balanced	4	4
Mono	4	4
Line inputs	4	4
Line connectors	XLR	XLR
Output section		
Signal output number	2	2
Signal output connectors	XLR	XLR
Power output connectors	Speakon	Speakon
Configuration and control		
Configuration	DIP switch, Front panel	DIP switch, Front panel
Protections		
Cooling	Forced	Forced
Short circuit	Yes	Yes
Thermal	Yes	Yes
DC	Yes	Yes
Fuses	Yes	Yes
VHF (Very High Frequencies)	Yes	Yes
Power requirement		
Operating voltage	220-240/115 V~ 50/60Hz	220-240/115 V~ 50/60Hz
Power consumption	1900 W	1400 W
Standard compliance		
Safety agency	CE compliant	CE compliant
Physical specifications		
Cabinet/Case Material	Metal	Metal
Handles	Metal handles included in the front panel	Metal handles included in the front panel
Color	Black - RAL 9005	Black - RAL 9005
Rack mounting	19", 2U	19", 2U
Size / Weight		
Height	88 mm / 3.46 inches	88 mm / 3.46 inches
Width	483 mm / 19.02 inches	483 mm / 19.02 inches
Depth	399 mm / 15.71 inches	399 mm / 15.71 inches
Weight	14.2 kg / 31.31 lbs	13.7 kg / 30.2 lbs
Part Number		
220-240 V	12100057	12100055
100-120 V	12100058	12100056


2 x CHANNEL OUTPUTS
4 x CHANNEL INPUT
QPS 6.0 K
CHANNEL 'VPK' VOLTAGE
PEAK LIMITER setting
CHANNEL SPEAKER OUTPUT

Link

IPS SERIES

TWO-CHANNEL PROFESSIONAL POWER AMPLIFIERS

IPS Series is a range of two-channel professional amplifiers that combine high-quality performance and reliability with the latest power technology.

ENERGIZE YOUR SOUND

IPS are high-performance, versatile 2U power amplifiers for install applications, using sophisticated Class-H topology for two single-channel outputs, two parallel outputs, or a single-channel bridge operativity. High quality, low distortion audio output, flawless reliability and safety, industry-standard speakON connectors, and binding post terminals make IPS Series electronics the workhorse solution for mobile sound systems and permanent installation applications.

- Fast response and low distortion
- Stereo, parallel, bridge modes
- Extensive protection circuits
- Variable speed cooling system
- Signal, clip, fault led indicators
- Limiter on each channel

SELF-PROTECTING ARCHITECTURE

IPS Amplifiers implement several safety strategies protecting both the amplifier and the sound system, including an effective peak limiting protection for the transducers. The temperature-controlled continuous variable speed double-fan system (front to back), combined with the high-efficiency heat sinks, allows the amplifier to maintain the optimal working temperature, no matter the environmental temperature or the power output. The circuit is protected from overheating and short circuits, also including protections against infrasonic DC and Very High Frequency (VHF) peaks from non-musical signals that could damage transducers.

THE ADVANTAGE OF CLASS H

Class-H amplifiers modulate the supply voltage to the amplifier output devices so that it is never higher than necessary to support the signal swing. This reduces dissipation across the output devices connected to that supply and allows the amplifier to operate with an optimized efficiency, regardless of output power level. Up to full power, a Class-H design will require less energy than a pure class AB design, and is better suited for high-power applications.

REMARKABLE AUDIO PERFORMANCE

With a very high signal-to-noise ratio, IPS amplifiers also boast a very low total harmonic distortion, making it perfect for highly demanding music applications hence delivering perfect vocal intelligibility.

CUSTOMIZED QUALITY CONTROL

All amplifier modules are subjected to rigorous quality testing during the production process. Each device is quality controlled with automated equipment and human supervision. Our QC process ensures that every individual amplifier module performs at best off the production line and into the box. This unique system ensures extremely tight quality loops, securing a high overall quality level.





Case Study

The Marina Fountain. Palermo, Italy.

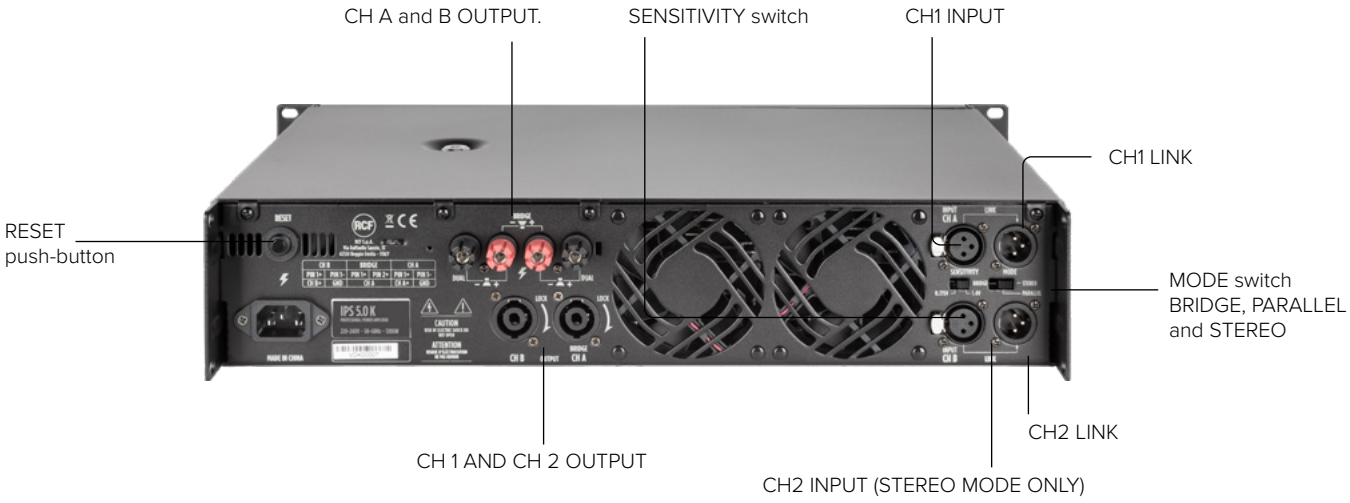
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SPECIFICATIONS





	IPS 5.0K	IPS 2.5K	IPS 1.5K
Acoustical specifications			
Amplifier Class	H	H	H
Output Power	2 x 2600 W @ 4 ohm 2 x 1500 W @ 8 ohm 1 x 5200 W @ 8 ohm (bridge)	2 x 1250 W @ 4 ohm 2 x 800 W @ 8 ohm 1 x 2500 W @ 8 ohm (bridge)	2 x 750 W @ 4 ohm 2 x 500 W @ 8 ohm 1 x 1500 W @ 8 ohm (bridge)
Frequency Response (-3dB)	20 Hz - 22000 Hz	20 Hz - 22000 Hz	20 Hz - 22000 Hz
Crosstalk	<70 dB	<80 dB	<73 dB
Distortion (THD+N) @ 1 kHz nominal power	<0.04 %	<0.01 %	<0.02 %
Input section			
Total number of inputs	2	2	2
Balanced	2	2	2
Mono	2	2	2
Line inputs	2	2	2
Line connectors	XLR	XLR	XLR
Output section			
Signal output number	2	2	2
Signal output connectors	XLR	XLR	XLR
Power output connectors	Binding Post, Speakon	Binding Post, Speakon	Binding Post, Speakon
Configuration and control			
Configuration	DIP switch, Front panel	DIP switch, Front panel	DIP switch, Front panel
Protections			
Cooling	Forced	Forced	Forced
Short circuit	Yes	Yes	Yes
Thermal	Yes	Yes	Yes
DC	Yes	Yes	Yes
Fuses	Yes	Yes	Yes
VHF (Very High Frequencies)	Yes	Yes	Yes
Power requirement			
Operating voltage	220-240/115 V~ 50/60Hz	220-240/115 V~ 50/60Hz	220-240/115 V~ 50/60Hz
Power consumption	1800 W	900 W	600 W
Standard compliance			
Safety agency	CE compliant	CE compliant	CE compliant
Physical specifications			
Cabinet/Case Material	Metal	Metal	Metal
Color	Black - RAL 9005	Black - RAL 9005	Black - RAL 9005
Rack mounting	19", 2U	19", 2U	19", 2U
Size / Weight			
Height	88 mm / 3.46 inches	88 mm / 3.46 inches	88 mm / 3.46 inches
Width	482 mm / 18.98 inches	482 mm / 18.98 inches	482 mm / 18.98 inches
Depth	325 mm / 12.8 inches	325 mm / 12.8 inches	264 mm / 10.39 inches
Weight	23.2 kg / 51.15 lbs	20.6 kg / 45.42 lbs	13.8 kg / 30.42 lbs
Part Number			
220-240 V	12100061	12100059	12100065
120 V	12100062	12100060	12100066


CH A and B OUTPUT.
SENSITIVITY switch
CH1 INPUT
CH1 LINK
RESET
push-button
MODE switch
BRIDGE, PARALLEL
and STEREO
CH2 LINK
CH 1 AND CH 2 OUTPUT
CH2 INPUT (STEREO MODE ONLY)

Link

DX 1616

MATRIX AUDIO PROCESSING UNIT

Powerful, robust, reliable device for routing DSP and audio networking.

MATRIX DSP

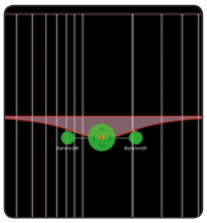
The RCF DX 1616 is a 16×16 matrix DSP audio processor designed for flexible routing and system processing in touring and installed sound. It runs a 48 kHz / 40-bit floating-point engine with low latency (up to 3 ms), and combines analog I/O, AES/EBU, and Dante AoIP in a single platform, with Ethernet connectivity and a dedicated Windows/macOS remote control GUI. On the processing side, it provides full input and output DSP blocks including HPF/LPF (6–48 dB/oct), 5-band parametric EQ, delay (up to 500 ms on inputs), compressor, plus output-stage tools such as shelving EQ, all-pass, additional delay, and limiting, enabling complete zone/array/feed management from one unit.

CONTROL SOFTWARE

DX 1616 AES-Dante remote software. This network-based software designed for Microsoft Windows and Mac OSX allows the management of the DX 1616 Matrix Sound Processor. -Pre-Amp configuration, selecting source types like analog, AES/EBU, Dante -Designing Input groups for festival applications -Input source processing with EQ, delay and compressor -Powerful 16x16 router to assign processing tasks to flexible output patches.

OUTPUT PATCH

With 16 analog outputs, DX 1616 offers flexible routing possibilities. The engineer can use up to 16 individual DSP modules for each output or he can even assign several analog outputs to a specific DSP module to use these outputs as high-quality line drivers. In combination with the RCF CP16 control panel any wiring configuration is supported.



DSP MODULE

The DSP module offers high pass filters, low pass filters, parametric EQ, all pass filters, level, compressor and output delay for perfect system control even if no RDNet controlled speaker is part of the system.

FEATURES

- Hybrid architecture DSP
- 48 KHz sampling, 40 bit floating point engine
- 16 x 16 I/O matrix
- Dante enabled network audio transport
- 8 AES/EBU inputs - 8 AES/EBU outputs
- Ethernet connectivity and control
- Maximum latency 3 ms
- Easy to use software GUI



SPECIFICATIONS

	DX 1616
Audio performance	
Frequency Response (-3dB):	20 Hz - 22 kHz
Crosstalk (on the whole bandwitch):	<-100 dB
Distortion (THD+N) @ 1 kHz nominal power:	<0.001 %
Dynamic range:	>110 dB
Common Mode Rejection Ratio (50 Hz to 10 kHz):	>100 dB
Digital audio performance	
Resolution:	40
Sampling rate:	48
A/D - D/A converters:	24
Propagation delay:	3
Input section	
Total number of inputs:	17
Balanced:	17
Mono:	16
Mic+Line inputs:	16
Mic+Line connectors:	Euroblock
Mic+Line Phantom:	21 V DC - 44 V DC
Digital inputs:	1
Digital connectors:	RJ45
Digital type:	Dante
Output section	
Signal output number:	16
Signal output connectors:	Euroblock
Processing:	
DSP:	Yes
EQ Filters:	Yes
Delay:	Yes
Tone controls:	Yes
High-pass filter:	20 Hz - 20000 Hz
Crossover:	20 - 20000 Hz
Controls	
Configuration:	PC Software
Number of programs/presets:	70
Protections	
Cooling:	Convection/Forced
Fuses:	Yes
Power requirement	
Operating voltage:	90-240 V~ 50/60Hz
Voltage selection:	-
Power consumption:	20 W
Standard compliance	
Safety agency:	CE compliant
Physical specifications	
Cabinet/Case Material:	Metal
Color:	Black
Rack mounting:	19", 1U
Size / Weight	
Height:	44 mm / 1.73"
Width:	483 mm / 19.02"
Depth:	229 mm / 9.02"
Weight:	3.31 kg / 7.3 lbs
Part Numner	
90-240 V	12399033

CABLES ACCESSORIES

CONTROL AND AUDIO CABLES

AC XLR 3M3F	13360102
3 Female + 3 Male XLR 3-pole connectors with nickel body and silver contacts.	
CBL LKS 25-2 FANOUT	12399021
25 pin to 8X XLR, cable 1.0 meters, fanout 1.0 meters.	
CBL LK 25 MULTIPIN 20M	12399022
25 pin male female cable 20 meters.	
CBL LK 25 MULTIPIN 10M	12399023
25 pin male female cable 10 meters.	
CBL ETHERCON 0.7M	12399016
Ethercon cable 0.7 meters. Compatible with RDNET.	
CBL ETHERCON 1.5M	12399017
Ethercon cable 1.5 meters. Compatible with RDNET.	
CBL ETHERCON 1.5M	12399017
Ethercon cable 1.5 meters. Compatible with RDNET.	
CBL ETHERCON 3M	12399035
Ethercon cable 3 meters. Compatible with RDNET.	
CBL ETHERCON 5M	12399018
Ethercon cable 5 meters. Compatible with RDNET.	
CBL ETHERCON TO XLR F 0.2M	12399019
Adapter cable Ethercon to XLR female 0.2 meters.	
CBL ETHERCON TO XLR M 0.2M	12399020
Adapter cable Ethercon to XLR male 0.2 meters.	

Link

RDNET NETWORK CONTROL

RDNET INTERFACES

Hardware interfaces that connect RDNet-compatible systems to a PC for real-time monitoring and control.

RDNET CONTROL 8

The RDNet Control 8 is a real-time monitor and control system able to manage up to 256 devices linked in a bus or up to 128 devices in a ring topology. All the data collected from the slaves are delivered to the sound engineer by USB in a local installation or by Ethernet from remote locations. The interface can be directly connected to the DSP on board of every TT+ line array module through the exclusive RDNet protocol making it possible to address in single cabinets or groups, specific presets or modification parameters in real-time. The key point of RDNet Control 8, in fact, is to ensure minimum refresh time (at least 5 per second) of all the system data performance, for example: RMS signals, compressor activity, temperature, fans speed, warnings, etc. Data transfer can be routed also through the provided xlr connectors enabling the control of the system on traditional multi-cored cables.

8 OUTPUT MASTER UNIT

- Ethernet (remote control) and USB (direct control) PC connection to RDNet
- Control UP to 8 Sub-Nets of UP to 32 slave devices
- All devices are cyclically scanned ("polling") 10 times a second
- Auto detect device placement
- Controlling slave devices status and functions
- Monitoring and displaying faults and warnings sent from slave devices
- Storing subnet user filters configuration in a removable memory card



COMMUNICATION FLEXIBILITY

The link between the PC and the RDNet Control 8 unit can be made through USB port or Ethernet port.

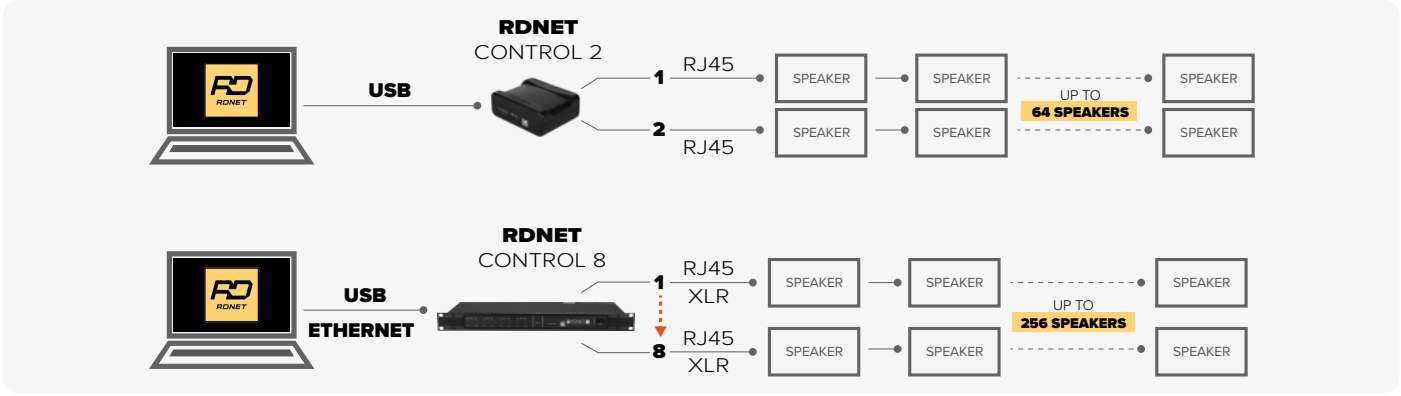


TOPOLOGY FLEXIBILITY

The RDNet Control 8 unit can manage up to 8 subnets. Up to 32 audio devices can be connected to each subnet (8 subnets x 32 = total 256 audio devices).

General specifications	
Number of subnets:	8
Connectors:	RJ 45, XLR
Max number of devices (for each subnet)	32
Configuration:	PC software
PC connection:	USB (type B), Ethernet
Data storage:	SD card (max. 4 GB)
Operating voltage:	90-240 V~ 50/60Hz
Power consumption (W):	15
RDNet:	Yes
Standard compliance	
CE marking:	Yes
Physical specifications	
Cabinet/Case Material:	Metal
Color:	Black
Rack mounting:	19", 1U
Size / Weight	
Height:	44 mm / 1.73"
Width:	482 mm / 18.98"
Depth:	182 mm / 7.17"
Weight:	2.71 kg / 5.97 lbs
Part Number	17170154





RDNET CONTROL 2

The RDNet Control 2 is an hardware interface to connect RCF RDNet compatible devices (TTL 55-A, TTL 33-A II, TTL 31-A II, etc.) to a Personal Computer (PC) by means of an USB connection. The RDNet system was purposely developed to create a data network for monitoring and command of more systems. The RDNet Control 2 unit can manage up to 2 subnets. Up to 32 devices can be connected to each subnet (2 subnets x 32 = total 64 devices). The addressing of the various devices is handled automatically by RDNet Control 2 interface. Each device is assigned a unique address during the power on procedure of network. For the RDNET network operating, it is necessary to install the appropriate Software on PC, on Microsoft Windows® environment. From PC it is possible to check the operating of each single device connected to the network and edit its parameters output level, mute, equalization, delay, etc. The network and devices configuration can be saved as file in the PC and later reloaded. RDNET is a “real-time” system: Information relating to the functioning of the devices is acquired in real-time, a feature that allows a global view of connected devices.

2 OUTPUT MASTER UNIT

- Real-Time USB device monitoring and control
- Auto detect device placement
- Control up to 2 Sub-Nets of up to 32 slave devices
- All devices are cyclically scanned ("polling") 10 times a second
- Connected devices are automatically added to the software synoptic

General specifications	
Number of subnets:	2
Connectors:	RJ 45, XLR
Max number of devices (for each subnet)	32
Configuration:	PC software
PC connection:	USB (typeB)
Power supply:	Powered by USB socket
RDNet:	Yes
Standard compliance	
CE marking:	Yes
Physical specifications	
Cabinet/Case Material:	ABS
Color:	Black
Size / Weight	
Height:	41 mm / 1.61"
Width:	111 mm / 4.37"
Depth:	90 mm / 3.54"
Weight:	0.17 kg / 0.37 lbs
Part Number	17170163



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.

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

GET THE MOST OUT OF YOUR SYSTEM

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.



Link

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10116338 | EN - 08/2026