

RCFACUSTICA

INSTALLED SOUND
SPEAKER SYSTEMS



RCFACUSTICA



the rules of sound

RCF

RCFACUSTICA

RCFACUSTICA represents a new prominent chapter in the long history of RCF Installed Sound Systems.

Whether a speaker system is designed for portable PA situations or for permanent installed sound applications in café or theme bars, Retail outlets, places of worship, theatres, live venues, dance clubs or major sporting stadia the paying customer now expects a level of audio fidelity and intelligibility of such a standard unsurpassed by previous generations.

This requirement has fostered the need for Audio Professionals to be able to offer a range of speaker systems combined with dedicated Processing and Amplification Technologies that are superior in Acoustic Performance and Control Technology.

RCFACUSTICA will evolve into a complete portfolio to satisfy all these needs. From extremely compact near and medium field 'two way systems' through to 'large format' arrayable systems for stadia and long throw sound reinforcement applications. The individual product families within RCFACUSTICA will offer dedicated controlled horn directivity, RCF Precision Woofers and Compression Drivers, RCF Exclusive 'LICC' Crossover Systems, matching amplification and control systems to fully optimise the high performance and long term reliability RCF is renowned for.

RCFACUSTICA speakers offer 'CMD' Coverage Matching Design, providing consistent horizontal and vertical pattern control through the usable frequency range.

RCF is one of only a few loudspeaker manufacturers worldwide who completely manufactures transducers, speaker systems and amplification and control electronics. Our 50 plus years heritage in Audio combined with our state of the art research and development and manufacturing processes will provide us the goal of offering a dedicated matching line up of systems within RCFACUSTICA.





COMPACT SERIES

The RCFACUSTICA Compact Series is a highly advanced line up of compact near field 'two way direct radiating' loudspeaker systems offering dedicated models with focused horn directivity, designed for both portable and permanent installation applications.

The several mounting points, the pole mount and handles simplify the installation and the portable application.

RCFACUSTICA Compact Series represent a no compromise design and construction, offering a very natural sound in live situations and recorded music. The two way designs within the Compact Series offer RCF Exclusive 'CMD' Technology. (Coverage Matching Design), this helps guarantee the smooth transition between the high frequency horns polar responses and low frequency transducers directivity.

The compression driver used in the Compact Series designs are the very latest in neodymium magnetic circuit technology, reaching levels that exceed 2 Kilogauss in the gap. The "pure titanium" diaphragms are able to reproduce transparent and accurate high frequencies, true to all the audio range. This is due to RCF's proprietary high-pressure oxygen free moulding technology. The low frequency drivers used in the Compact Series can withstand peak power of up to 6 times the nominal power. These mid bass woofers have been designed for superior reproduction of acoustic signals up to the crossover frequency. Specific attention has been dedicated to speaker cones; the devices feature high temperature polyimide voice coil assemblies that undergo multiple baking and curing processes. Thus assisting long term reliability.

Our edge wound copper clad aluminium voice coils are designed for maximum efficiency.

RCF's inside/outside copper clad aluminium voice coil offers outstanding reliability and reference levels at the forefront of loudspeaker cone and coil technology.

All Compact Series Speakers are equipped with high power handling low impedance crossover designs. The low impedance compensated crossover is an RCF first, and a breakthrough in crossover design. Conventional passive crossovers have an approximate 180-degree phase shift between the woofer and tweeter at the crossover point. Such a system cannot reproduce transients correctly, causing negative effects on sound accuracy that are particularly noticeable with violin, trumpet, piano and vocals.

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

All Compact Series cabinets are in Baltic birch, heavy duty painted. Free from spurious vibrations, they offer a strong construction at the highest levels in professional market.

SUBWOOFER SERIES

The RCFACUSTICA Subwoofer Series is a highly advanced line up of compact subwoofers, offering dedicated models in various configurations (bass reflex, bandpass and horn loaded), designed for both portable and permanent installation applications.

COMPACT SERIES

PERMANENT INSTALLATIONS · MAIN REINFORCEMENT IN SMALL SPACES
PORTABLE SYSTEMS · AV PRESENTATIONS · DOWN-FILL FOR FLOWN CLUSTERS · UNDER BALCONY APPLICATIONS



C3108

The C3108 is a full range 2 way passive system, extremely compact and light. Providing very natural sound reproduction. The C3108 is the optimum choice for a variety of fixed or portable applications. It features 4 M10 mounting points for horizontal or vertical U-bracket, for ceiling or wall mount installation.

The pole mount, the handle, the very light weight and small size make this speaker ideal for portable applications. The C3108 can be used as a main speaker in small, near field systems or as a fill/delay element in bigger systems. The wide coverage angle and the true constant directivity of the newly designed horn make very easy the coverage of a large audience; the CMD crossover design guarantee the perfect pattern matching of woofer and compression driver, avoiding secondary lobes creation.

The possibility to rotate the horn optimise both horizontal or vertical installations.

The C3108 features advanced technology, latest generation transducers: the 8" woofer is equipped with a 2" voice coil and the 1" neodymium compression driver is equipped with a 1.5" voice coil.

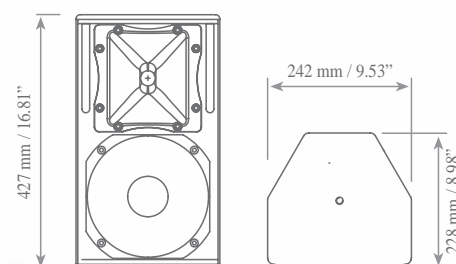


TECHNICAL SPECIFICATIONS

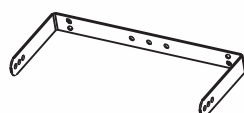
FREQUENCY RESPONSE	80 Hz - 20.000 Hz
MAX SPL	126 dB
SENSITIVITY 1W/1M	96 dB
IMPEDANCE	8 ohm
COVERAGE ANGLE	90 x 70
COMPRESSION DRIVER	1" neodymium, 1.5" aluminium voice coil
WOOFER	8" mid-bass, 2" voice coil
POWER HANDLING	300 Watt
CROSSOVER FREQUENCY	2100 Hz
PROTECTIONS	Active Mosfet Compression Driver Protection
CONNECTORS	2 x Neutrik Speakon NL4
FITTINGS	4 x M10 Mounting Points, Pole Mount, Handle
DIMENSIONS	427H x 242 W x 228 D
WEIGHT	10 Kg

SPECIAL FEATURES

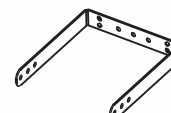
- Very high efficiency
- Active Mosfet Compression Driver Protection
- LICC Crossover
- CMD Design
- Linear/HF boost switch
- 4 M10 mounting points
- Pole Mount and recessed handle
- Rotatable horn



Pair of bracket for mounting C3108 speakers on the wall • Colour: black



AC C08 H-BR
Adjustable
inclination horizontal



AC C08 V-BR
Adjustable
inclination vertical

COMPACT SERIES

PERMANENT INSTALLATIONS · MAIN REINFORCEMENT IN SMALL SPACES · PORTABLE SYSTEMS AV PRESENTATIONS · DOWN-FILL FOR FLOWN CLUSTERS UNDER BALCONY APPLICATIONS



C3110

The C3110 is a full range 2 way passive system, compact and light, providing very high output, smooth and dynamic reproduction.

Offering very accurate sound reproduction optimally designed for a variety of fixed and portable applications. The C3110 features 4 M10 mounting points for horizontal or vertical U-bracket, for ceiling or wall mount installation. The pole mount, the handle, the light weight and small size make this speaker ideal for portable applications. The C3110 can be used as a main speaker in small, near field applications or as a fill/delay element in bigger systems.

The wide coverage angle and the true constant directivity of the newly designed horn makes coverage of large audiences easy, the CMD crossover design guarantees the perfect pattern matching of woofer and compression driver, avoiding secondary lobe creation.

The possibility to rotate the horn optimises both horizontal or vertical installations.

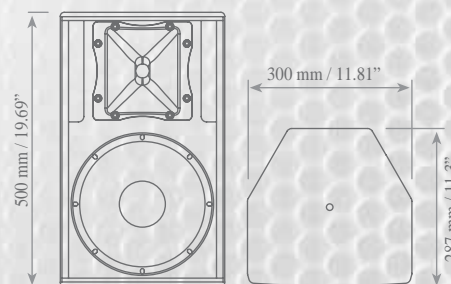
The C3110 features advanced technology, latest generation transducers: the 10" woofer is equipped with a 2" voice coil and the 1" neodymium compression driver is equipped with a 1.5" voice coil.

TECHNICAL SPECIFICATIONS

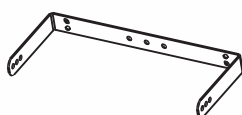
FREQUENCY RESPONSE	70 Hz -20.000 Hz
MAX SPL	127 dB
SENSITIVITY 1W/1M	97 dB
IMPEDANCE	8 ohm
COVERAGE ANGLE	90 x 70
COMPRESSION DRIVER	1" neodymium, 1.5" aluminium voice coil
WOOFER	10" mid-bass, 2" voice coil
POWER HANDLING	300 Watt
CROSSOVER FREQUENCY	2000 Hz
PROTECTIONS	Active Mosfet Compression Driver
CONNECTORS	2 x Neutrik Speakon NL4
FITTINGS	4 x M10 Mounting Points, Pole Mount, Handle
DIMENSIONS	500 H x 300 W x 287 D
WEIGHT	13 Kg

SPECIAL FEATURES

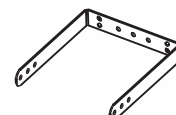
- Very high efficiency
- Active Mosfet Compression Driver Protection
- LICC Crossover
- CMD Design
- 4 M10 mounting points
- Pole Mount and recessed handle
- Rotatable horn



Pair of bracket for mounting C3110 speakers on the wall • Colour: black



AC C10 H-BR
Adjustable
inclination horizontal



AC C10 V-BR
Adjustable
inclination vertical

COMPACT SERIES

PERMANENT INSTALLATIONS · MAIN REINFORCEMENT IN SMALL AND MEDIUM SPACES · PORTABLE SYSTEMS · AV PRESENTATIONS DOWN-FILL FOR FLOWN CLUSTERS · UNDER BALCONY · APPLICATIONS



C5212

The C5212 is an extended full range 2 way passive system, compact and powerful, providing very high output, smooth and dynamic reproduction. Thanks to the accurate sound reproduction and very high max SPL, it is the optimum choice for a variety of fixed or portable applications. The C5212 can be used in full range or bi-amp mode.

It features several M10 mounting points for a variety of mounting methods, including horizontal or vertical U-bracket, for ceiling or wall mount installation. The pole mount, the handles, the light weight and size make this speaker ideal for portable applications.

The C5212 can be used as a main speaker in small and medium systems or as a fill/delay element in bigger systems. The C5212-W offers a wide coverage angle (90x40) with the true constant directivity of the newly designed horn provides excellent coverage of large audiences.

The C5212-L provides a narrower coverage angle (60x40) and is ideal for cluster arrays, offering higher sensitivity for longer distances.

The CMD crossover design guarantee the perfect pattern matching of woofer and compression driver, avoiding secondary lobe creation. The possibility to rotate the horn optimises both horizontal or vertical installations.

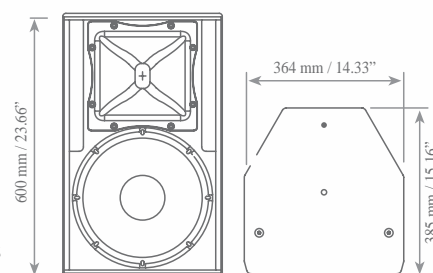
The C5212 features advanced technology, latest generation transducers: the 15" high efficiency woofer is equipped with a 3" voice coil and the 2" neodymium compression driver is equipped with a 2.5" voice coil and titanium dome.



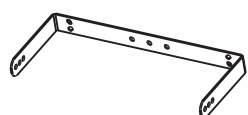
TECHNICAL SPECIFICATIONS	C5212-W	C5212-L
FREQUENCY RESPONSE	60 Hz – 20.000 Hz	60 Hz – 20.000 Hz
MAX SPL	132 dB	133 dB
SENSITIVITY 1W/1M	99 dB	100 dB
IMPEDANCE	8 ohm	8 ohm
COVERAGE ANGLE	90 x 40	60 x 40
COMPRESSION DRIVER	2" neodymium, 2.5" aluminium voice coil	
WOOFER	12" mid-bass, 3" voice coil	
POWER HANDLING	500 Watt	
CROSSOVER FREQUENCY	1200 Hz	
PROTECTIONS	Active Mosfet Compression Driver Protection	
CONNECTORS	2 x Neutrik Speakon NL4	
FITTINGS	9 x M10 Mounting Points, Pole Mount, Handles	
DIMENSIONS	600 H x 364 W x 385 D	
WEIGHT	23 Kg	

SPECIAL FEATURES

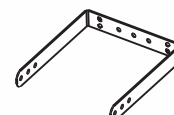
- Very high efficiency
- Very High Power Handling
- Active Mosfet Compression Driver Protection
- LICC Crossover
- CMD Design
- Full Range/ Bi-Amp Switch
- 9 M10 mounting points
- Pole Mount and recessed handles
- Rotatable horn



Pair of bracket for mounting C5212W – 5212L speakers on the wall • Colour: black



AC C12 H-BR
Adjustable
inclination horizontal



AC C12 V-BR
Adjustable
inclination vertical

COMPACT SERIES

PERMANENT INSTALLATION · MAIN REINFORCEMENT IN SMALL AND MEDIUM SPACES · PORTABLE SYSTEMS · AV PRESENTATIONS FLOWN CLUSTERS · UNDER BALCONY APPLICATIONS



C5215

The C5215 is a full range 2 way passive system, compact and powerful, providing very high output, smooth and dynamic reproduction. Thanks to the accurate voice and sound reproduction and very high max SPL, is the optimum choice for a variety of fixed or portable applications.

The C5215 can be used in full range or bi-amp mode.

The C5215 features several M10 mounting points for a variety of mounting methods, including horizontal or vertical U-bracket, for ceiling or wall mount installation. The pole mount, the handles, the light weight and small size make this speaker ideal for portable applications.

The C5215 can be used as a main speaker in small and medium systems or as a fill/delay element in bigger systems.

The C5215-W offers a wide coverage angle (90x40) and the true constant directivity of the newly designed horn makes coverage of large audiences easy. The C5215-L presents a narrower coverage angle (60x40) and is the ideal element of a cluster, easy to array, offering higher sensitivity for longer distances.

The CMD crossover design guarantees the perfect pattern matching of woofer and compression driver, avoiding secondary lobe creation. The possibility to rotate the horn optimises both horizontal or vertical installations.

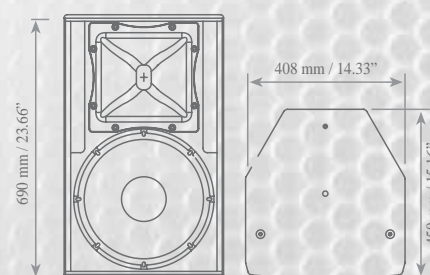
The C5215 features advanced technology, latest generation transducers: the 15" woofer is equipped with a 3" voice coil and the 2" neodymium compression driver is equipped with a 2.5" voice coil and titanium dome.



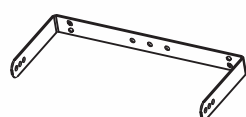
TECHNICAL SPECIFICATIONS	C5215-W	C5215-L
FREQUENCY RESPONSE	60 Hz–20.000 Hz	60 Hz –20.000 Hz
MAX SPL	133 dB	134 dB
SENSITIVITY 1W/1M	100 dB	101 dB
IMPEDANCE	8 ohm	8 ohm
COVERAGE ANGLE	90 x 40	60 x 40
COMPRESSION DRIVER	2" neodymium, 2.5" aluminium voice coil	
WOOFER	15" mid-bass, 3" voice coil	
POWER HANDLING	500 Watt	
CROSSOVER FREQUENCY	1200 Hz	
PROTECTIONS	Active Mosfet Compression Driver Protection	
CONNECTORS	2 x Neutrik Speakon NL4	
FITTINGS	9 x M10 Mounting Points, Pole Mount, Handles	
DIMENSIONS	690 H x 408 W x 450 D	
WEIGHT	30 Kg	

SPECIAL FEATURES

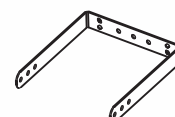
- Very high efficiency
- Very High Power Handling
- Active Mosfet Compression Driver Protection
- LICC Crossover
- CMD Design
- Full Range/ Bi-Amp Switch
- 9 M10 mounting points
- Pole Mount and recessed handles
- Rotatable horn



Pair of bracket for mounting C5215w – 5215L speakers on the wall • Colour: black



AC C15 H-BR
Adjustable
inclination horizontal



AC C15 V-BR
Adjustable
inclination vertical

S8018

**PERMANENT INSTALLATIONS · MAIN REINFORCEMENT
FROM SMALL TO BIG SIZE SPACES · PORTABLE SYSTEMS
AV PRESENTATIONS · "ADD-ON" TO EXISTING PA SYSTEMS**

The S8018 is a compact, high output, bass reflex subwoofer system delivering extended and controlled bass response. The new high power 18" inch woofer is the result of the latest refinement in years of RCF experience in compact active and passive subwoofer design. Resulting in a fast and controlled reproduction of the bass frequency range. Featuring a 4" inside/outside voice coil to minimize power compression and extend the life of this product. The Baltic birch plywood enclosure is painted with black, heavy duty, textured epoxy. The front is protected from a strong, powder coated, metal grille. The cabinet features two Neutrik Speakon connectors in a recessed input plate, a 35 mm pole mount socket, two recessed side handles.

S4012

**PERMANENT INSTALLATIONS · MAIN REINFORCEMENT
IN SMALL SPACES · PORTABLE SYSTEMS
AV PRESENTATIONS · "ADD-ON" TO EXISTING PA SYSTEMS**

The S4012 is an extremely compact, high output, bandpass subwoofer system delivering tight and fast controlled bass response. The new high power 12" inch woofer is the result of the latest refinement in years of RCF experience in compact active and passive subwoofer design and manufacture. Resulting in a fast and controlled reproduction of the bass frequency range. Featuring a 3" inside/outside voice coil to minimize power compression extending the life of this product. The Baltic birch plywood enclosure is painted with black, heavy duty, textured epoxy. The cabinet features two Neutrik Speakon connectors in a recessed input plate, a 35 mm pole mount socket, two recessed side handles.

DX4008

LOUDSPEAKER MANAGEMENT SYSTEM

The DX 4008 is a complete 4 input - 8 output digital loudspeaker management system designed for the touring or fixed sound installation markets. The absolute latest in available technology is utilized with 32-bit (40-bit extended) floating point processors and high performance 24-bit Analog Converters. Sampling rate can be set to 96kHz. The high-bit DSP prevents noise and distortion induced by truncation errors of the commonly used 24-bit fixed-point devices. A complete set of parameters include I/O levels, delay, polarity, 6 bands of parametric EQ per channel, multiple crossover selections and full function limiters. Precise frequency control is achieved with its 1 Hz resolution.

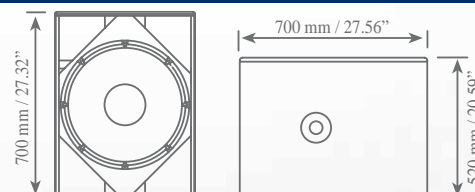
SUBWOOFER SERIES

TECHNICAL SPECIFICATIONS

FREQUENCY RESPONSE	40 Hz - 200 Hz
MAX SPL	134 dB
SENSITIVITY 1W/1M	98 dB
IMPEDANCE	8 ohm
WOOFER	18" woofer, 4" inside/outside voice coil
POWER HANDLING	1000 Watt
CONNECTORS	2 x Neutrik Speakon NL4
FITTINGS	Pole Mount, Side Handles
DIMENSIONS	700 H x 520 W x 700 D
WEIGHT	48 Kg

SPECIAL FEATURES

- Very high efficiency
- 133 dB max SPL
- 18" high power woofer, 100 mm inside/outside copper coil
- Response down to 40 Hz
- Pole Mount and recessed handles

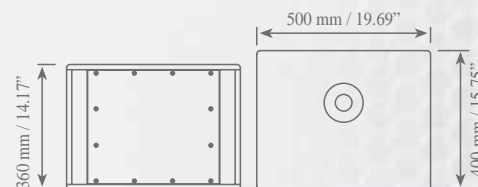


TECHNICAL SPECIFICATIONS

FREQUENCY RESPONSE	45 Hz - 200 Hz
MAX SPL	128 dB
SENSITIVITY	1W/1M 96 dB
IMPEDANCE	8 ohm
WOOFER	12" woofer, 3" inside/outside voice coil
POWER HANDLING	400 Watt
CONNECTORS	2 x Neutrik Speakon NL4
FITTINGS	Pole Mount, Side Handles
DIMENSIONS	360 H x 500 W x 400 D
WEIGHT	20 Kg

SPECIAL FEATURES

- Very high efficiency
- 128 dB max SPL
- 12" high power woofer, 75 mm inside/outside copper coil
- Response down to 45 Hz
- Pole Mount and recessed handles



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



cod. 10116041

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