

**7ix**  
SERIES



the rules of sound

**RCF**

# RCF NX SERIES



## Touring audio solutions

The NX Series - a new line of active loudspeakers specifically designed to be the everyday tool for rental companies and professional musicians. With its ultra compact design and choice of formats, together with high output levels, NX Series is the answer to a wide variety of production requirements.

The NX is reliable, easy to use and versatile: for every rental company, musician, venue and audio/visual provider, this high-performance self-powered speaker system offers a degree of simplicity unmatched by traditional amp and speaker PA systems.

NX Series is a practical solution for high intelligibility speech and audio applications, covering infill or delay, production studios, presentations and high power music sound reinforcement with or without subwoofers. A key requirement for everyday audio systems, delivering simple 'plug and play' solutions, without compromising performance and portability.

Legendary RCF transducer technology coupled with state of the art digital amplification topology resulting in a perfectly optimized loudspeaker series. The NX Series provides high end audio coverage even at extreme sound pressure levels, unmatched reliability and acoustic compatibility across the whole series.

The NX Series offers a wide range of practical mounting hardware, to cover all aspects of system integration, which assist in the overall simple and effortless system set-up, redefining the high performance portable PA.



# ARRAYS

## NX L23-A

### ACTIVE LINE ARRAY MODULE

The NX L23-A is a very compact, self-powered, 2-way line array loudspeaker module. The 750-watt Class-D amp modules accurately match the high quality analog signal input boards with precise, complex filter responses that result in the natural, detailed reproduction of the best direct radiating designs. NX L23-A is the ideal choice when line-array performance is needed but the venue size doesn't call for the very long-throw characteristics of larger line-arrays and a fast and easy setup is a must. The NX L23-A speaker deliver extraordinary power handling, clarity, flexibility and great sound in a compact, easy to handle and affordable package.

#### Features

- Line array design
- Variable curvature angles
- 3 x 1,75" voice coil, 1" neodymium compression driver
- 3,5" voice coil, 12" neodymium woofer
- 90°x15° constant directivity coverage angle
- 750W digital amplifier: lightweight, compact, multi channel
- High quality analog input board, crossover, dynamic limiting, transducers protection
- Cluster size setup, HF boost switch
- Professional XLR line and 1/4" inputs (Combo) with loop through
- Powercon Input/Output

#### Applications

- Live sound
- Music playback and sound reinforcement in small and mid-size venues.
- Corporate A/V professionals and sound system hire companies.
- Portable PA, clubs, ballrooms, corporate AV, live theatre, houses of worship, theme parks



# MONITORS



## NX M12-A

### TWO-WAY SPEAKER

NX M12-A is the most compact and versatile speaker in the NX Series. It has been designed to deliver maximum performance for its weight and size as both a stage monitor and a front of house main PA. The NX M12-A is a lightweight two-way multipurpose loudspeaker system equipped with a 750W Digital Amplifier and premium transducers components. The low frequency section is a 12" woofer with a 1,75" voice coil diaphragm while the High section is a neodymium compression driver mounted to a constant directivity horn.

#### Features

- 1,75" voice coil, 1" neodymium compression driver
- 3" voice coil, 12" neodymium woofer
- 90°x 40° constant directivity coverage angle, rotatable horn
- 750W digital amplifier: lightweight, compact, multi channel
- Dual angle enclosure for both front-of-house and floor monitor applications
- Optimized EQ for monitor or front-of-house applications
- High quality analog input board, crossover, dynamic limiting, transducers protection
- Professional XLR line and 1/4" inputs (Combo) with loop through
- Powercon Input/Output
- 6 x fly-tracks

#### Applications

- Live sound
- Foreground/background music, infill/delay
- Portable PA, stage monitoring, retail, clubs, ballrooms, corporate AV, live theatre, houses of worship, theme parks

## NX M15-A

### TWO-WAY SPEAKER

The NX M15-A is a high-efficiency, high output, horn-loaded, 2-way, wide-dispersion, active sound reinforcement system. The NX M15-A benefits from the integration of 750 watts of digital amplifier power, control electronics, and premium transducer components such as the 15" neodymium woofer with 3.5" high power voice coil. The NX M15-A is the perfect balance between size and performance and it's smaller and lighter without compromising on performance.

#### Features

- 1,75" voice coil, 1" neodymium compression driver
- 3,5" voice coil, 15" neodymium woofer
- 90°x 40° constant directivity coverage angle, rotatable horn
- 750W digital amplifier: lightweight, compact, multi channel
- Dual angle enclosure for both front-of-house and floor monitor applications
- Optimized EQ for monitor or front-of-house applications
- High quality analog input board, crossover, dynamic limiting, transducers protection
- Professional XLR line and 1/4" inputs (Combo) with loop through
- Powercon Input/Output
- 6 x fly-tracks



# SUBWOOFERS



## NX S25-A

### HIGH POWER SUBWOOFER

The NX S25-A is a vented, high output, active subwoofer system where the solid sound of a dual 15-inch driver is desired, optimally designed for portable or installs applications. It is engineered to complement full-range loudspeakers in a wide range of PA situations.

#### Features

- 2 x 3" voice coil high power 15" woofer
- 1000W digital amplifier: lightweight and compact
- Large port area for reduced distortion
- Stereo professional XLR line and 1/4" inputs (Combo) with loop through
- Powercon Input/Output
- Pole mount, stacking ready, wheels, aluminium side handles

#### Applications

- Live sound
- Music playback and sound reinforcement in mid-size venues.
- Live performance systems and sound system rental.
- Portable PA, clubs, ballrooms, corporate AV, live theatre, houses of worship, theme parks

## NX S21-A

### HIGH POWER SUBWOOFER

Compact and powerful, the NX S21-A offers the performance of a 21" subwoofer in a package not much larger than a typical 18" sub.

The NX S21-A is a compact, high power active subwoofer system containing a neodymium magnet 21" woofer in a front-loaded, vented enclosure

#### Features

- 4.5" voice coil high power 21" neodymium woofer
- 1000W digital amplifier: lightweight and compact
- Large port area for reduced distortion
- Stereo professional XLR line and 1/4" inputs (Combo) with loop through
- Powercon Input/Output
- Pole mount, stacking ready, wheels, aluminium side handles



# SPECIFICATIONS

	<b>NX L23-A</b>	<b>NX M12-A</b>	<b>NX M15-A</b>	<b>NX S25-A</b>	<b>NX S21-A</b>
<b>ACOUSTICAL SPECIFICATIONS</b>					
Frequency Response	60 Hz - 20 kHz	50 Hz - 20 Khz	50 Hz - 20 Khz	40 Hz - 120 Hz	30 Hz - 80 Hz
Max SPL	133 dB	130 dB	132 dB	136 dB	135 dB
Horizontal coverage angle	100°	90°	90°	x	x
Vertical coverage angle	15° max, depending on config	40°	40°	x	x
Compression Driver	3 x 1.0" neo, 44 mm voice coil	1" neo, 44 mm voice coil	1" neo, 44 mm voice coil	x	x
Midrange	x	x	x	x	x
Woofer	12" neo, 87 mm voice coil	12" neo, 75 mm voice coil	15" neo, 87 mm voice coil	2 x 15", 75 mm voice coil	21" neo, 115 mm voice coil
<b>INPUT SECTION</b>					
Input connector	combo xlr-jack	combo xlr-jack	combo xlr-jack	stereo combo xlr-jack	stereo combo xlr-jack
Output connector	xlr	xlr	xlr	stereo xlr	stereo xlr
Input sensitivity	+ 4 dBu	+ 4 dBu	+ 4 dBu	+ 4 dBu	+ 4 dBu
<b>PROCESSOR SECTION</b>					
Crossover frequencies	1300 Hz	1500 Hz	1500 Hz	80 Hz /110 Hz	60 Hz /80 Hz
Protections	thermal, rms	thermal, rms	thermal, rms	thermal, rms	thermal, rms
Sensitivity control	yes	yes	yes	yes	yes
Limiter	soft peak limiter	soft peak limiter	soft peak limiter	soft peak limiter	soft peak limiter
Phase switch	x	x	x	yes	yes
Controls	hf correction, cluster size	side/floor, contour	side/floor, contour	Xover/link, frq. cut	Xover/link, frq. cut
<b>AMPLIFIER</b>					
Total power	750 Watt	750 Watt	750 Watt	1000 Watt	1000 Watt
High frequencies	250 Watt	250 Watt	250 Watt	-	-
Low frequencies	500 Watt	500 Watt	500 Watt	1000 Watt	1000 Watt
Cooling	convection	convection	convection	convection	convection
Connection	powercon in/out	powercon in/out	powercon in/out	powercon in/out	powercon in/out
<b>PHISICAL SPECIFICATIONS</b>					
Height	346 mm	646 mm	736 mm	750 mm	750 mm
Width	659 mm	385 mm	430 mm	660 mm	660 mm
Depth	415 mm	375 mm	395 mm	700 mm	700 mm
Weight	28.5 Kg	21,2 Kg	23,8 Kg	60,5 Kg	53,2 Kg
Cabinet	baltic birch	baltic birch	baltic birch	baltic birch	baltic birch
Hardware	array side fittings	6 x fly tracks	6 x fly tracks	stacking fittings	stacking fittings
Handles	2 on side	2 on side	2 on side	4 on side	4 on side
Pole Mount/Cap	yes	yes	yes	yes	yes



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