



FULL LINE 2018



## DESIGNED AND MANUFACTURED IN PORTUGAL

**NEXT—proaudio is an European brand, based in Portugal - Europe, active in development and manufacturing of professional sound systems for professional audio and concert applications.**

NEXT—proaudio is part of CVA Electronica Group, an European based company, located in Porto, north of Portugal, with a long history of professional audio design and manufacturing. CVA Electronica was founded in 1986 having started with a mere 180 sqm, but thanks to the ambition of all the members of the team, it was successfully expanded to the 2.500 sqm, currently occupied by the state of the art, research and production facilities.

Although the brand NEXT-proaudio has been recently established (2004), this is not a problem on the experience in the pro-audio market because, the team members have, in average, 25+ years experience in the different aspects of development, manufacturing and marketing of professional sound systems.

Over the years NEXT-proaudio has established an outstanding reputation worldwide and is known for the excellence, value and longevity of its products, designed, engineered and produced at our factory in Portugal. Advanced computer aided loudspeaker development tools and electroacoustic measurement systems, prototype building machinery and purpose designed sound rooms all support our highly skilled engineering team that aims to design equipment of the highest quality.

NEXT-proaudio employs a motivated workforce using modern computer-controlled manufacturing machines, producing robust precision-built enclosures.

All components, some of them designed and manufactured exclusively for the brand, are individually tested prior to assembly. Before leaving the factory, each completed product has to pass a comprehensive computerized test before being listened and approved by a trained technician.

The range of loudspeaker products, control electronics and amplified systems has in common one single purpose: to provide the clients with the best solution for their needs in both rental and installation markets.

The main target is not only to develop very high quality sound systems, but also to make sure the systems give maximum performance in the specific application.

From small events, multimedia presentations, musicals, concert halls, theatres, opera houses, nightclubs, conference rooms to the largest stadium concerts, NEXT-proaudio is naturally the solution.

**NEXT-proaudio: Where the sound meets perfection!**



### ■ [AST] ACOUSTICAL SIMULATION TOOL

The new Acoustical Simulation Tool software from NEXT-proaudio is an acoustic simulation software for 2D modelling of either single subwoofer sources or sub-arrays.

Based in a very fast and accurate algorithm, this tool is capable of predicting the acoustical performance of the subwoofers, helping the user to find the best solution for a given venue with a multiple sound sources. The simulator allows the user to simulate in 11 different ISO 266 spacing frequencies (20Hz~200Hz) with a single click.

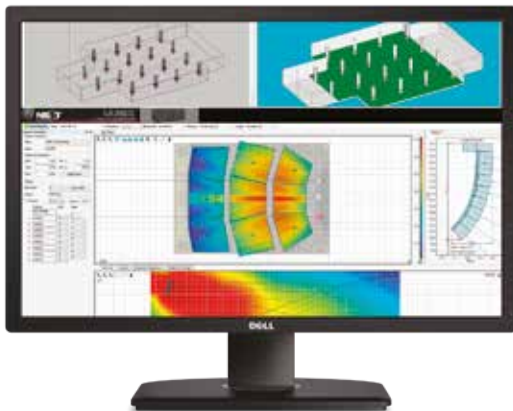
AST includes a NEXT-proaudio's subwoofer models database, containing sensitivity, Max. Power and subwoofer dimensions. The resultant coverage simulation is mapped in a Jet-color graphics with the SPL distribution throughout all the venue. With a listening point, also known as a probe or "virtual microphone", the user can easily predict the frequency and phase response in a desired location. AST provides up to 4 listening points simultaneously. Polar plot is also available in this software tool.



Setting up a subwoofer "Virtual Arc" can be a difficult and time consuming task – However, this is an easy job for AST users. Based on the acoustical beam aperture ( $0^{\circ}$ ~ $90^{\circ}$ ), a provided function called "Virtual Arc" does all the complex math calculations for you and presents the needed data (sub location and delay) to include in your DSP audio processor.

It will save the user a lot of time when setting up a subwoofer array for a show.

### ■ [EASE] ENHANCED ACOUSTIC SIMULATOR FOR ENGINEERS



The EASE software suite provides system designers with an invaluable set of tools for all aspects of professional practice, from detailed, realistic modeling and simulation of venue acoustics and sound system performance to informative and engaging client presentations, as well as professional data assessment and verification.

EASE Standard takes the guesswork out of system design, help eliminate costly mistakes and reduce installation time. It assists designers in learning and growing by graphically displaying accurate predictions of real-world acoustics. EASE models are an ideal way to explore options and to evaluate what works and what doesn't work – before the virtual venue becomes a job site and changes are time-consuming and expensive.

NEXT-proaudio makes available, free of charge to its customers, both EASE and EASE Focus 3D speaker models. Thanks to an intensive in house engineering work, NEXT-proaudio, developed a 3D robotic arm capable of get data out from 129,600 different points to build a very accurate and realistic 3D model for EASE and EASE Focus softwares. This new acquiring method, made in a sophisticated anechoic room, is qualified to collect data with  $1^{\circ}$  degree resolution on a  $360^{\circ}$  complete spheric balloon resulting on 100% realistic data instead of interpolated data.

### ■ [SOUNDWARE] DSP CONTROLLER SOFTWARE

All the Active speakers from NEXT-proaudio use a sophisticated integrated DSP, with A/D-D/A low noise converters, that can be remotely controlled by a PC using SOUNDWARE software. The control is made using a RS-485 cable and a supplied USB-to-RS485 converter that connects to the PC.

The Software allows the user to real-time adjust several parameters such as: input equalization (PEQ, HS, LS), input delay, input gain, input polarity, input High-pass/Low-pass filters and the "Bass Enhancer" function. When the systems consists on an active subwoofer and a passive satellite some more functions are available: satellite delay, satellite level and satellite polarity. Also a monitoring function is present in both version that allows the user to monitorize the internal temperature of the power module and the level attenuatio, if it occurs.





# LA SERIES

## LINE ARRAY SYSTEMS

### OVERVIEW

The LA series line-array systems were developed and produced by NEXT to deliver unprecedented performance in applications ranging from live reinforcement, arenas, and stadiums to big discos, theatres and houses of worship.

Very high quality speakers from the best European manufacturers, and cabinets designed following intensive audio research, are the keys to the outstanding audio performance.

Quality construction is assured by our computer controlled production facility based in Portugal where skilled technicians control all the production stages.

Common to all the elements are: the ICWG (isophasic cylindrical wave generator), the Baltic birch plywood enclosures finished in durable black semi-matt textured paint, the heavyduty power coated steel grilles, the fast integral rigging system and the Neutrik NL4 or NL8 connectors.



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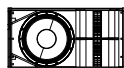
- 04 **LA212Xv2**  
3-Way Fully Horn Loaded  
Line Array Element



- 06 **LA122**  
2-Way Compact  
Line Array Element



- 06 **LA122W**  
2-Way Compact Wide  
Line Array Element



- 07 **LA122A**  
**Active** 2-Way Compact  
Line Array Element

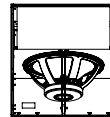


- 07 **LA122WA**  
**Active** 2-Way Compact Wide  
Line Array Element

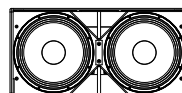


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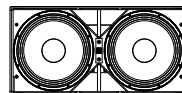
- 08 **LAs118A**  
**Active** Hybrid-Horn  
Arrayable Subwoofer



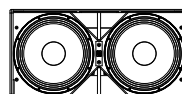
- 08 **LAs418A**  
**Active** Double Bass  
Reflex Subwoofer



- 08 **LAs418**  
Double Bass  
Reflex Subwoofer



- 08 **LAs418G**  
Double Bass Ground Stack  
Reflex Subwoofer



## LA212Xv2

### 3-Way Fully Horn Loaded Line Array Element

- | Fully horn-loaded, axially symmetric, Line array
- | Extreme SPL and throw capability
- | Uniform dispersion and great coverage control
- | Horizontal Coverage maintained down to 280 Hz
- | Easy and fast rigging system with variable splay

The LA212Xv2 is a 3-Way fully horn-loaded, axially symmetric, line array element, capable of producing crystal clear, detailed and extremely powerful audio performance over distance, with an exceptional 90° horizontal constant dispersion control. Being completely symmetric this line array is capable of generating virtually identical acoustic sound patterns on the right and left which allows for an easy, accurate and symmetric alignment.

It incorporates a number of technologies to produce a coherent vertical wave front, extreme sound pressure levels with exceptional accuracy and specially consistent horizontal coverage over a wide frequency range, kept down to 280 Hz. Maintaining directionality control over this wide bandwidth raises the ratio of direct-to-reflected energy, thereby increasing system intelligibility.

The bass section makes use of two 12 inch speakers with 3 inch voice coils strategically placed on either side of the speaker in a dipolar horn arrangement.

The also horn-loaded mid and high frequency sections are coaxially mounted in the center of the cabinet, dramatically extending lower vocal directivity control and providing extremely smooth mid/high transition.

The generously dimensioned mid frequency horn uses a 10 inch driver, while the high frequency section consists of two 1.4 inch exit HF compression drivers with 3 inch voice coils mounted to a dedicated wave-shaping device. To preserve the acoustical integrity and the natural warmth, all the horns, wave guides and phase correctors are made of low resonance plywood or acoustically neutral polymers.

The speaker transducers employed are exclusively made by the reference european manufacturer B&C. The LA212X cabinet is constructed from genuine Baltic birch plywood and has a black textured finish. The front of the loudspeaker cabinet is protected by a rigid metal grill and the side and rear panels incorporate four handles. Two Neutrik NL8 connectors wired in parallel are mounted at the rear.





# LA SERIES

## LINE ARRAY SYSTEMS

The Low Frequency Section consists on two 12" neodymium low frequency drivers that are loaded by two proprietary hybrid-horns. The horn mouths are horizontally separated by a "tuned" distance that uses the Tuned Dipolar Array (TDA) effect to achieve an exceptional low frequency horizontal dispersion control with the nominal angle being maintained down to 250Hz. With TDA effect is possible to keep the LF signals away from the stage revealing it to be more immune to low frequencies feedback.

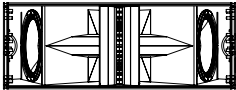
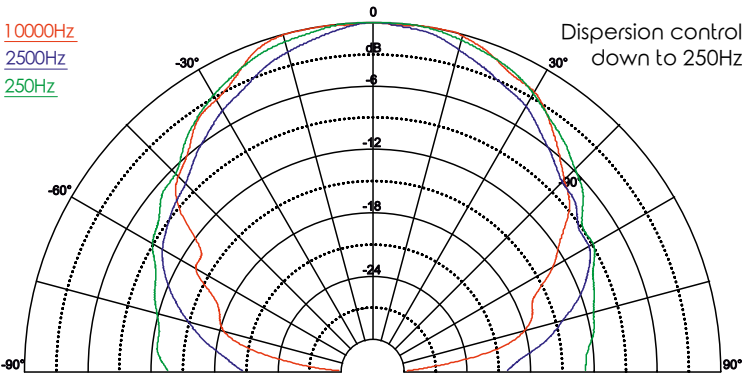
The Mid Frequency Section is equipped with one high-performance 10" speaker, mounted coaxially behind the HF drivers, loaded by a, mathematically complex, directivity control device that cleverly eliminates the HF section acoustic shadow.

To couple the mid frequencies, reproduced by the 10", NEXT-proaudio developed a proprietary WAVE SPLITTER device. The device splits the generated wave into two smaller waves that coherently couples on the vertical plane. As the summation is much more perfect, the Line Source behavior is effective down to lower frequencies.

In addition, the LA212Xv2 mid frequency section employs a Correction Phase Device (CPD) which equalizes speaker's cone acoustical path lengths and thereby minimizes HF cancelations and distortion. The CPD and the associated horn are optimized to create a high compression ratio which rises conversion efficiency to reach na incredible output sensitivity.

The High Frequency Section is composed by two 1.4" HF neodymium compression drivers mounted on a dedicated wave shaping device.

Knowing that our ear is particularly sensitive to detail on mid/high frequencies, NEXT-proaudio was highly focused in optimizing the HF section. This unit was carefully designed to precisely match all the path lengths from the throat to the mouth of the device. The generated sound wave has a flat and isophasic wavefront that meets a diffraction slot which mantains a constant horizontal directivity. By vertically limiting and spreading on the horizontal plane, the LA212Xv2, creates a cylindrical wave with minimal lobing when coupling with other units.



### LA212Xv2

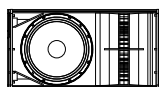
SPEAKER TYPE	Horn-Loaded 3-Way Line Array Element
FREQ. RESPONSE (-6dB)	60Hz - 19.000Hz
SENSITIVITY (1W@1m)	LF: 106dB (Full-Space) MF: 112dB (Full-Space) HF: 114.5dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	LF: 138dB/144dB (Full-Space) MF: 139dB/145dB (Full-Space) HF: 138dB/144dB (Full-Space)
COVERAGE (HxV)	90° (Down to 280Hz) x 8°
DRIVERS	LF: 2 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker MF: 1 x 10" (250mm)/2.5" (65mm) VC, B&C custom speaker HF: 2 x 1.4" (36mm) exit/3" (75mm) VC, B&C custom compression driver
POWER (Program/Peak)	LF: 1600W/3200W (10ms) MF: 500W/1000W (10ms) HF: 440W/880W (10ms)
NOMINAL IMPEDANCE	LF: 2 x 8Ω MF: 16Ω HF: 16Ω
CROSSOVER (Frequency/Type)	LF to MF: 350Hz Linkwitz-Riley 24dB/oct MF to HF: 1050Hz Linkwitz-Riley 48dB/oct
RECOMMENDED HPF	75Hz, 24dB/oct Linkwitz-Riley
CONNECTORS	2 x Neutrik NL8
CONSTRUCTION	15mm multi-laminate birch plywood
FINISH	Textured black semi-matte coating
PROTECTIVE GRILL	Black perforated steel
FITTINGS	Adjustable (0° to 8°) rigging system
HANDLES	1 on each side, 2 on the back
DIMENSIONS (WxHxD)	1020 x 380 x 501mm (40.16 x 14.96 x 19.72in)
WEIGHT	66kg (145.5lb)



## LA122

2-Way Compact  
Line Array Element

- | Very smooth and clear sound
- | 12" and 2 x 1.4" neodymium drivers
- | Extremely smooth horizontal and vertical coverage
- | Extremely versatile
- | Integrated hardware for flying or ground stack



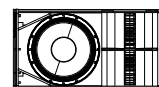
## LA122

SPEAKER TYPE	Passive 2-Way Line Array Element
FREQ. RESPONSE (-6dB)	58Hz - 19.000Hz
SENSITIVITY (1W@1m)	LF: 100dB (Full-Space) HF: 108dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	LF: 129dB/135dB (Full-Space) HF: 133dB/139dB (Full-Space)
COVERAGE (HxV)	90° x 8°
DRIVERS	LF: 1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker HF: 2 x 1.4" (36mm) exit/2.5" (65mm) VC, B&C custom compression driver
POWER (Program/Peak)	LF: 800W/1600W (10ms) HF: 320W/640W (10ms)
NOMINAL IMPEDANCE	LF: 8Ω HF: 16Ω
CROSSOVER (Frequency/Type)	1150Hz Linkwitz/Riley 48dB/oct
RECOMMENDED HPF	45Hz, 18dB/oct Butterworth
CONNECTORS	2 x Neutrik NL4
CONSTRUCTION	15mm multi-laminate birch plywood
FINISH	Semi-Matte Black Textured Coating
PROTECTIVE GRILL	Black Perforated Steel
FITTINGS	Adjustable (0° to 8°) rigging system
HANDLES	1 on each side
DIMENSIONS (WxHxD)	677 x 350 x 450mm (26.65 x 13.78 x 17.72in)
WEIGHT	32.8kg (72.31lb)

## LA122W

2-Way Compact Wide  
Line Array Element

- | Wide dispersion (120° x 15°)
- | Very smooth and clear sound
- | 1 x 12" and 2 x 1.4" neodymium drivers
- | Extremely smooth horizontal and vertical coverage
- | Integrated hardware for flying or ground stack



## LA122W

SPEAKER TYPE	Passive 2-Way Wide Line Array Element
FREQ. RESPONSE (-6dB)	58Hz - 19.000Hz
SENSITIVITY (1W@1m)	LF: 100dB (Full-Space) HF: 108dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	LF: 129dB/135dB (Full-Space) HF: 133dB/139dB (Full-Space)
COVERAGE (HxV)	120° x 15°
DRIVERS	LF: 1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker HF: 2 x 1.4" (36mm) exit/2.5" (65mm) VC, B&C custom compression driver
POWER (Program/Peak)	LF: 800W/1600W (10ms) HF: 320W/640W (10ms)
NOMINAL IMPEDANCE	LF: 8Ω HF: 16Ω
CROSSOVER (Frequency/Type)	1150Hz Linkwitz/Riley 48dB/oct
RECOMMENDED HPF	45Hz, 18dB/oct Butterworth
CONNECTORS	2 x Neutrik NL4
CONSTRUCTION	15mm multi-laminate birch plywood
FINISH	Semi-Matte Black Textured Coating
PROTECTIVE GRILL	Black Perforated Steel
FITTINGS	15° rigging system
HANDLES	1 on each side
DIMENSIONS (WxHxD)	677 x 353 x 450mm (26.65 x 13.9 x 17.72in)
WEIGHT	31.4kg (69.23lb)



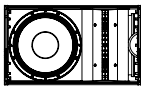
# LA SERIES

## LINE ARRAY SYSTEMS

### LA122A

#### Active 2-Way Compact Line Array Element

- | 2200Wprg, 2-Way amplification
- | Small, Versatile, Loud
- | 90° x 8° (120° x 8° optionally) Coverage
- | 12" and 2 x 1.4" neodymium drivers
- | Integrated hardware for flying or ground stack



#### LA122A

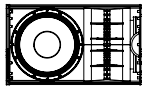
SPEAKER TYPE	Active 2-Way Line Array Element
FREQ. RESPONSE (-6dB)	58Hz - 19.000Hz
Calculated Max. SPL (Continuous/Peak)	129dB/135dB (Full-Space)
COVERAGE (HxV)	90° x 8° or 120° x 8° with optional accessory
DRIVERS	LF: 1 x 12" (300mm), 3" (76mm) VC, Neodymium, B&C custom speaker HF: 2 x 1.4" (36mm) exit, 2.5" (65mm) VC, B&C custom compression driver
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 1100W/1480W/2960W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and suplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
OPERATING VOLTAGE	180V - 245VAC
POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	602 x 350 x 465mm (23.7 x 13.78 x 18.31in)
WEIGHT	36kg (79.37lb)



### LA122WA

#### Active 2-Way Compact Wide Line Array Element

- | 2200Wprg, 2-Way amplification
- | Small, Versatile, Loud
- | Precise wide coverage (120° x 15°)
- | Very smooth and clear sound
- | 12" and 2 x 1.4" neodymium drivers



#### LA122WA

SPEAKER TYPE	Active 2-Way Line Array Element
FREQ. RESPONSE (-6dB)	58Hz - 19.000Hz
Calculated Max. SPL (Continuous/Peak)	128.5dB/134.5dB (Full-Space)
COVERAGE (HxV)	120° x 15°
DRIVERS	LF: 1 x 12" (300mm), 3" (76mm) VC, Neodymium, B&C custom speaker HF: 2 x 1.4" (36mm) exit, 2.5" (65mm) VC, B&C custom compression driver
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 1100W/1480W/2960W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and suplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
OPERATING VOLTAGE	180V - 245VAC
POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	602 x 350 x 465mm (23.7 x 13.78 x 18.31in)
WEIGHT	35.6kg (78.48lb)

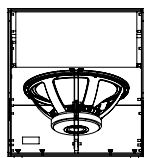




## LA s118A

### Active Hybrid-Horn Arrayable Subwoofer

- | 2960W prg amplification
- | Small, Versatile, Loud
- | Superior bass impact thanks to horn design
- | Fast, simple Integrated Rigging hardware
- | High SPL and low distortion



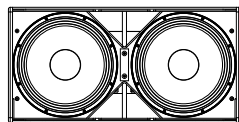
### LA s118A

SPEAKER TYPE	Active Hybrid-Horn Subwoofer
FREQ. RESPONSE (-6dB)	38Hz - 160Hz
SENSITIVITY (1W@1m)	-
Calculated Max. SPL (Continuous/Peak)	132.5dB/138.5dB (Half-space)
DRIVERS	LF: 1 x 18" (460mm), 4" (100mm) VC, B&C custom speaker
AMPLIFIER TECHNOLOGY	Switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 2200W/2960W/5920W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
OPERATING VOLTAGE	180V - 245VAC
POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	602 x 664 x 750mm (23.7 x 26.14 x 29.53in)
WEIGHT	67.3kg (148.37lb)

## LA s418A

### Active Double Bass Reflex Subwoofer

- | Dual long excursion 18" speaker
- | High dynamic and extended response
- | PFC Switched Mode Power Supply
- | Large port areas for reduced distortion
- | 24bit/96kHz Digital Signal Processor



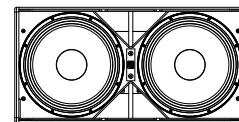
### LA s418A

SPEAKER TYPE	Active High Power Reflex Subwoofer
FREQ. RESPONSE (-6dB)	28Hz - 250Hz
SENSITIVITY (1W@1m)	-
Calculated Max. SPL (Continuous/Peak)	141dB/143dB (Half-space)
DRIVERS	LF: 2 x 18" (460mm)/4" (100mm) VC, high excursion, B&C custom speaker
AMPLIFIER TECHNOLOGY	PFC switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 4000W/5650W/8000W
CONTROLLER	PC controlled Networkable DSP 24bit/96kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	10 PEQ, Delay, HPF, LPF, Level, Polarity, Mute
OPERATING VOLTAGE	90V - 260VAC
POWER CONSUMPTION	1150W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ; Control: USB
DIMENSIONS (WxHxD)	1030 x 516 x 920mm (40.55 x 20.31 x 36.22in)
WEIGHT	89kg (196.21lb)

## LA s418[G]

### Double Bass [Ground Stack] Reflex Subwoofer

- | Dual very long excursion 18" speakers
- | Optionally arrayable
- | High maximum pressure
- | High dynamic and extended response
- | Large port areas for reduced distortion



### LA s418[G]

SPEAKER TYPE	Passive Very High Power [Ground Stack] Reflex Subwoofer
FREQ. RESPONSE (-6dB)	28Hz - 250Hz
SENSITIVITY (1W@1m)	109dB (Half-space)
Calculated Max. SPL (Continuous/Peak)	143.8dB/149.8dB (Half-space)
DRIVERS	2 x 18" (460mm)/4.5" (116mm) VC, very high excursion, B&C custom speaker
POWER (Program/Peak)	6000W/12000W (10ms)
NOMINAL IMPEDANCE	2 x 8Ω (also available 2 x 4Ω)
CROSSOVER (Frequency, Type)	80Hz to 180Hz / 24dB/oct Linkwitz/Riley (recommended)
REC. AMPLIFIER	MA3800, MA6000, MD14000
RECOMMENDED HPF	28Hz, 18dB/oct Butterworth
CONNECTORS	2 x Neutrik NL4 on back + 1 x Neutrik NL4 on front, parallel wired
FITTINGS	16 x M8 threaded inserts for optional wheel kit, 8 replaceable feet, 20 x M8 threaded inserts for optional rigging system (only available on LA s418)
DIMENSIONS (WxHxD)	1030 x 516 x 920mm (40.55 x 20.31 x 36.22in)
WEIGHT	94kg (207.23lb) [90kg (198.42lb)]





# LAm SERIES

## PROFESSIONAL STAGE MONITORS

### OVERVIEW

Stage monitoring is very important for the artist's successful performance. To fulfil all the needs the LAm series aimed to provide the musicians a perfect listening on the most demanding situations.

The LAm series are capable of generating high SPL's with a low distortion, neutral sound reproduction, well defined dispersion and high feedback stability at the most extreme levels maintaining a linear response and an impressive punch.

All the models (**LAm112x**, **LAm114xA**, **LAm115**) of this series combine compact dimensions, high performance, and a very functional design.

Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik NL connectors (on LAm112x and LAm115).

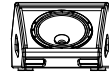


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### LAm114xA

Active Coaxial  
Stage Monitor



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### LAm112x

Bi-Amp/Full-Range Coaxial  
Stage Monitor

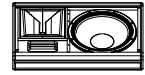
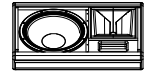


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### LAm115

Bi-Amp/Full-Range  
Stage Monitor



For more flexibility this series has an active model, **LAm114xA**, that incorporates a very high performance class D amplifier with DSP. The integration with high efficiency DPAmplifier modules, with 1650Wrms, and the advanced digital processing, set a new standard for distortion, noise and thermal efficiency. The DPA amplifier module delivers an impressive sonic punch with perfectly balanced, rich and transparent sound at any volume.

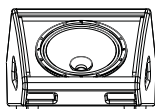
With the supplied SOUNDWARE software and a PC, it is possible to edit each one of the 6 pre-loaded Presets and store it in any of the 2 free memories.

Editable parameters are: input equalization, input delay, input Highpass/Low-pass filters and the "Bass Enhancer" function. A total of 255 units can be controlled simultaneously by the software.

## LAm114xA

### Active Coaxial Stage Monitor

- | 2200Wprg 2-Way amplifier
- | Highly coherent coaxial design
- | Very smooth and clear sound
- | 14" LF and 2" HF neodymium drivers
- | Compact low profile



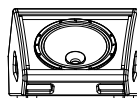
### LAm114xA

SPEAKER TYPE	Active Coaxial Stage Monitor
FREQ. RESPONSE (-6dB)	58Hz - 19.000Hz
Calculated Max. SPL (Continuous/Peak)	135dB/141dB (Half-space)
COVERAGE (HxV)	80° Conical
DRIVERS	LF: 1 x 14" (355mm), 3" (76mm) VC, Neodymium, B&C custom speaker HF: 1 x 2" (50.5mm) exit, 3" (76mm) VC, Neodymium, B&C custom speaker
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
TOTAL OUTPUT POWER	2200Wprg
SECTION POWER (RMS/Program/Peak)	LF: 1100W/1480W/2960W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or near panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJ. PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
POWER CONSUMPTION (Nominal)	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	564 x 390 x 475mm (22.2 x 15.35 x 18.7in)
WEIGHT	25kg (55.12lb)

## LAm112x

### Bi-Amp/Full-Range Coaxial Stage Monitor

- | Switchable Full-Range/Bi-Amp Operation
- | Highly coherent coaxial design
- | Very smooth and clear sound
- | 12" LF and 1.4" HF neodymium drivers
- | Compact low profile



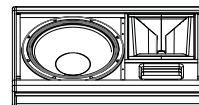
### LAm112x

SPEAKER TYPE	Bass Reflex Coaxial Full-Range Monitor
FREQ. RESPONSE (-6dB)	68Hz - 18.000Hz
SENSITIVITY (1W@1m)	FR: 104dB (Half-Space) LF: 105dB (Half-Space) HF: 111dB (Full-Space)
Calculated Maximum SPL (Continuous/Peak)	FR: 132.5dB/138.5dB (Half-Space) LF: 133.5dB/139.5dB (Half-Space) HF: 133dB/139dB (Full-Space)
COVERAGE (HxV)	80° conical
DRIVERS	LF: 1 x 12" (300mm)/3" (76mm) VC, B&C custom speaker HF: 1 x 1.4" (36mm) exit/3" (75mm) VC, B&C custom compression driver
POWER (Program/Peak)	FR: 700W/1400W LF: 700W/1400W HF: 160W/320W
NOMINAL IMPEDANCE	FR: 8Ω LF: 8Ω HF: 8Ω
CROSSOVER (Frequency/Type)	1250Hz/asymmetrical (internal) or 1250Hz/24dB/oct Linkwitz/Riley (external)
RECOMMENDED HPF	52Hz, 18dB/oct Butterworth
CONNECTORS	2 x Neutrik NL4 parallel wired
DIMENSIONS (WxHxD)	518 x 351 x 478mm (20.39 x 13.82 x 18.82in)
WEIGHT	16.7kg (36.82lb)

## LAm115

### Bi-Amp/Full-Range Stage Monitor

- | Very high SPL and discreet low profile
- | Optimized tailored dispersion HF waveguide
- | Switchable Full-Range/Bi-Amp Operation
- | Left and right versions available
- | 15" LF neodymium speaker, 1.4" neodymium HF driver



### LAm115

SPEAKER TYPE	Full-Range/Bi-Amp Tailored Dispersion Stage Monitor
FREQ. RESPONSE (-6dB)	58Hz - 18.000Hz
SENSITIVITY (1W@1m)	FR: 102dB (Half-Space) LF: 103dB (Half-Space) HF: 110dB (Full-Space)
Calculated Maximum SPL (Continuous/Peak)	FR: 135dB/141dB (Half-Space) LF: 136dB/142dB (Half-Space) HF: 133dB/139dB (Full-Space)
COVERAGE (HxV)	60° to 100° x 60° Tailored dispersion technology
DRIVERS	LF: 1 x 15" (380mm)/4" (100mm) VC, long excursion B&C custom speaker HF: 1 x 1.4" (36mm) exit/3" (75mm) VC, custom compression driver
POWER (Program/Peak)	FR: 1000W/2000W LF: 2000W/4000W HF: 230W/460W
NOMINAL IMPEDANCE	FR: 8Ω LF: 8Ω HF: 8Ω
CROSSOVER (Frequency/Type)	1250Hz/asymmetrical (internal) or 1250Hz/24dB/oct Linkwitz/Riley (external)
RECOMMENDED HPF	44Hz, 18dB/oct Butterworth
CONNECTORS	2 x Neutrik NL4 parallel wired
DIMENSIONS (WxHxD)	746 x 385 x 532mm (29.37 x 15.16 x 20.94in)
WEIGHT	30.8kg (67.9lb)





# PX SERIES

PLUG N' PLAY SOLUTION

## OVERVIEW

The PX system is a complete plug 'n' play, processor-controlled, hornloaded stacking P.A. optimized for flexible, high power, modular array configurations, for use in festival tents, clubs and at open-air events.

Setting the highest standards in audio performance and reliability for situations where line arrays do not present themselves as the best solution in terms of complexity and flexibility, the PX system presents itself as a perfect alternative, offering easier set up, less cabling, and simpler operation.

Very high sound pressure, extreme reliability, simple transportation, fast setting-up times and easy cabling are just some of the important practical advantages of PX system complete systems.

The components of the PX system can be quickly and easily configured to cover an enormous range of different sound reinforcement applications in venues of all shapes and sizes without any need for complex calculations, controller adjustments and limiter settings.

If extreme sub levels are needed for an open air DJ event, just add another sub on each side. If the brass band in the beer tent wants ultrawide coverage, just use two subs and two angled tops per side. If a Top 40 band suddenly finds itself playing to an audience of 3000, the same system amp can drive four subs and two tops per side. There is an hardware to adjust the top angle, allowing positive and negative angles on the PXH64 (PXH95).

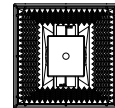
Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik NL connectors.



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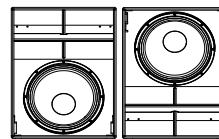
### 12 PXH64 [PXH95]

2-Way Horn-Loaded  
Mid/High Speaker



### 12 PXL118

Hybrid-Horn  
Subwoofer



### 12 PXA8000

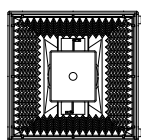
PX Power  
Rack



## PXH64 [PXH95]

### 2-Way Horn-Loaded Mid/High Speaker

- | Point source, long throw performance
- | Perfect rotatable 60° x 40° directivity (PHX64)
- | Rotatable 90° x 50° directivity (PHX95)
- | Low distortion, very high SPL
- | Extremely smooth and natural response



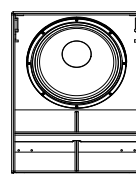
## PXH64 [PXH95]

SPEAKER TYPE	Coaxial Horn-Loaded Mid/High Speaker
FREQ. RESPONSE (-6dB)	136Hz - 18000Hz
SENSITIVITY (1W@1m)	MF: 103dB (Full-Space) HF: 110dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	MF: 132dB/138dB (Full-Space) HF: 132dB/138dB (Full-Space)
COVERAGE (HxV)	60° x 40° Rotatable [90° x 50° Rotatable]
DRIVERS	MF: 1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker HF: 1 x 1.4" (36mm) exit/2.5" (65mm) VC B&C custom compression driver
POWER (Program/Peak)	MF: 800W/1600W HF: 160W/320W
NOMINAL IMPEDANCE	MF: 8Ω HF: 16Ω
RECOMMENDED AMPLIFIER	PXA8000 (Dedicated power rack)
CONNECTORS	2 x Neutrik NL8 parallel wired
DIMENSIONS (WxHxD)	616 x 612 x 641mm (24.25 x 24.09 x 25.24in)
WEIGHT	43.3kg (95.46lb)

## PXL118

### Hybrid-Horn Subwoofer

- | High SPL with good Low End
- | Stunning impulse response accuracy
- | Dynamic bass even under high SPL loads
- | Long excursion 18"/100mm VC speaker
- | 2 cabinets configurations for optimal coupling



## PXL118

Hybrid Horn-Loaded Bass Speaker
42Hz - 180Hz
LF: 104dB (Half-space)
137.8dB/143.8dB (Half-Space)
-
LF: 1 x 18" (460mm)/4" (100mm) VC, high excursion, B&C custom speaker
2400W/4800W (10ms)
8Ω
PXA8000 (Dedicated power rack)
2 x Neutrik NL8 parallel wired
600 x 766 x 641mm (23.62 x 30.16 x 25.24in)
49.5kg (109.13lb)

## PXA8000

### PX Power Rack

- | 4 Channel digital amplifier
- | Full function DSP
- | Lightweight
- | Perfectly integrated with PX cabinets



## PXA8000

TYPE		4-Channel PX System Power Rack
AMPLIFIER TECHNOLOGY		SMPS Class H, 4 channels Amplifier
COOLING		Temperature Controlled Internal Fans
AVERAGE EFFICIENCY		80%
TOTAL OUTPUT POWER		8400Wrms
OUTPUT POWER (Section)	LF1	2100Wrms/4Ω
	LF2	2100Wrms/4Ω
	MF	2100Wrms/4Ω (processor limited to 1600Wrms)
	HF	2100Wrms/4Ω (processor limited to 320Wrms)
CONTROLLER		24 bit/48kHz 4 channel DSP
DIGITAL CROSSOVER		160Hz/1200Hz, 24dB/oct L-R
SYSTEM PRESETS		2 Factory Preset 28 free Preset memories
PC CONTROL		Real time via USB and supplied software
DSP ADJUSTABLE PARAMETERS		Parametric Eqs, HPF, LPF, Delay, Limiters, Polarity, Gain
AC OPERATING VOLTAGE		175 - 265VAC, 50 - 60Hz
NOMINAL POWER CONSUMPTION		2300W (10A)
MAINS CONNECTOR		Neutrik Powercon
CONSTRUCTION		15mm Multi-Laminate Birch Ply
FINISH		Textured Black Semi-Matte Coating
PROTECTIVE GRILL		Black Perforated Steel
FITTINGS		12 x M8 for : Optional Rigging/Tilt System
HANDLES		1 on Each Side
DIMENTIONS (WxHxD)		600 x 182 x 641mm (23.62 x 7.17 x 25.24in)
WEIGHT		29.3kg (64.6lb)





# HFA SERIES

## HIGH DEFINITION SPEAKERS

### OVERVIEW

The HFA series are fully powered system solution (the HFA106p is passive and the HFA206 also has a passive version), designed to deliver high output and dynamics, extreme linearity and fidelity for unrivalled performance.

The integration with high efficiency DPAmplifier modules, with up to 1650Wrms, and the advanced digital processing, set a new standard for distortion, noise and thermal efficiency. A surprisingly simple handling concept lets you plug in and play straightaway.

Configure the system by selecting the right Preset and let the system do the rest. Of course, as in the other series, the Presets can be edited and stored in 2 USER memories.

Versatile enclosure designs, combined with a wide range of mounting options and associated hardware, provide unrestricted flexibility for both portable and installed applications.

To further simplify creating active 2-way systems the HFA112s, HFA115s, use an integrated 2-channel digital amplifier to power external full-range passive speakers, for example the HFA106p, HFA206p or X-line.

On this series there are several color combinations available as standard, please choose your color!

Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use and the heavy-duty power coated steel grilles.

PAGE

14 **HFA106p**  
Passive 2-Way  
Full-Range Speaker



14 **HFA206**  
Active 2-Way Full-Range  
Vertical Array

14 **HFA206p**  
Passive 2-Way Full-Range  
Vertical Array

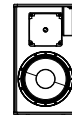


14 **HFA108**  
Active 2-Way  
Full-Range Speaker

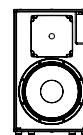


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15 **HFA112**  
Active 2-Way  
Full-Range Speaker



15 **HFA115**  
Active 2-Way  
Full-Range Speaker



15 **HFA212**  
Active 2.5-Way  
Full-Range Speaker

**HFA212W**  
Active 2.5-Way Wide  
Full-Range Speaker



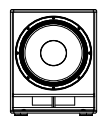
PAGE

16 **HFA112s**  
2-Channel Active  
Band-Pass Subwoofer



16 **HFA115s**  
2-Channel Active  
Reflex Subwoofer

16 **HFA115sHP**  
Active Reflex  
High Power Subwoofer



16 **HFA118sHP**  
Active Hybrid-Horn  
High Power Subwoofer





### HFA106p

#### Passive 2-Way Full-Range Speaker

- | Passive 2-Way Full-Range Speaker
- | 1 x 6.5" LF speaker and 1" HF compression driver
- | Rotatable, Constant Directivity HF horn
- | Excelent directivity control
- | Great voice clarity



### HFA106p

SPEAKER TYPE	Passive Two-way Speaker
FREQ. RESPONSE (-6dB)	82Hz - 18.000Hz
SENSITIVITY (1W@1m)	92dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	118dB/124dB (Full-Space)
COVERAGE (HxV)	90° x 40° User Rotatable
DRIVERS	LF: 1 x 6.5" (170mm)/1.5" (38mm) VC, custom speakers HF: 1 x 1" (25mm) exit/1.75" (44mm) VC, custom compression driver
RATED POWER	250W
NOMINAL IMPEDANCE	8Ω
AMPLIFIER TECHNOLOGY	-
SECTION POWER (RMS/Program/Peak)	-
CONTROLLER	-
SYSTEM PRESETS	-
PC CONTROL	-
DSP ADJUSTABLE PARAMETERS	-
AC OPERATING VOLTAGE	-
NOMINAL POWER CONSUMPTION	-
CONNECTORS	2 x Neutrik NL4
DIMENSIONS (WxHxD)	219 x 450 x 259mm (8.62 x 17.71 x 10.2in)
WEIGHT	12.7kg (28lb)

### HFA206

#### Active 2-Way

#### Full-Range Speaker

- | 2-Way Vertical Array
- | 2 x 6.5" LF speaker and 1" HF compression driver
- | Rotatable, Constant Directivity HF horn
- | Excelent directivity control
- | Great voice clarity



### HFA206

Active Two-Way Vertical Array	Passive Two-way Vertical Array
80Hz - 19.000Hz	80Hz - 18.000Hz
-	95dB (Full-Space)
121dB/127dB (Full-Space)	
90° x 40° User Rotatable	
LF: 2 x 6.5" (170mm)/1.5" (38mm) voice coil, custom speakers	
HF: 1 x 1" (25mm) exit/1.75" (44mm) voice coil, custom compress driver	
-	500W
-	4Ω
2 channel switched mode class D with DSP	-
LF: 400W/540W/1080W	-
HF: 100W/135W/270W	-
PC controlled Networkable DSP 24bit/48kHz	-
6 Factory and 2 User, selectable via software or rear panel switch	-
Via RS485 and supplid software "SOUNDWARE"	-
6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute	-
90V - 245VAC	-
550W	-
Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
219 x 625 x 259mm (8.62 x 24.61 x 10.2in)	
15.7kg (34.61lb)	14.4kg (31.75lb)

### HFA206p

#### Passive 2-Way

#### Full-Range Speaker

### HFA108

#### Active 2-Way

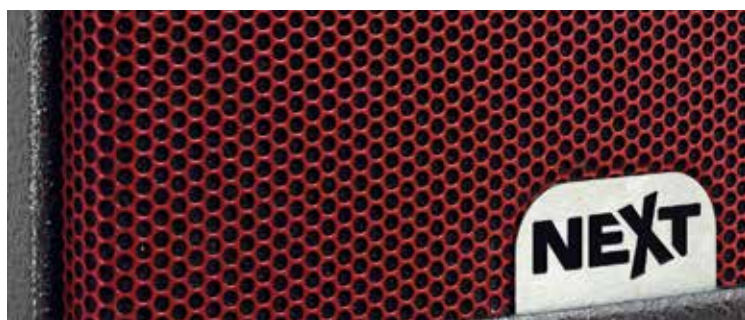
#### Full-Range Speaker

- | Powered 2-Way loudspeaker
- | 8" LF speaker and 1" HF compression driver
- | Rotatable, constant directivity HF horn
- | High efficiency 500 W Class-D power amplifier
- | Networkable DSP with control software



### HFA108

Active Two-Way Speaker
68Hz - 19.000Hz
-
122dB/128dB (Full-Space)
90° x 60° user rotatable
LF: 1 x 8" (200mm)/2" (51mm) voice coil, B&C custom speaker
HF: 1 x 1" (25mm) exit/1.75" (44mm) voice coil, custom compression driver
-
-
2 channel switched mode class D with DSP
LF: 400W/540W/1080W
HF: 100W/135W/270W
PC controlled Networkable DSP 24bit/48kHz
6 Factory and 2 User, selectable via software or rear panel switch
Via RS485 and supplid software "SOUNDWARE"
6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
90V - 245VAC
550W
Signal: 2 x XLR ; Power: 2 x powerCON
244 x 451 x 288mm (9.61 x 17.76 x 11.34in)
11.9kg (26.24lb)



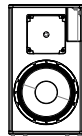
# HFA SERIES

## HIGH DEFINITION SPEAKERS

### HFA112

#### Active 2-Way Full-Range Speaker

- | Active high power 2-Way loudspeaker
- | 12" LF speaker and 1" HF compression driver
- | Rotatable, tailored dispersion technology
- | High efficiency 2220Wprg Class-D power amp
- | Networkable DSP with control software



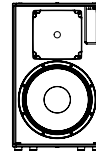
HFA112

SPEAKER TYPE	Active High Power 2-Way Speaker
FREQ. RESPONSE (-6dB)	55Hz - 19.000Hz
Calculated Max. SPL (Continuous/Peak)	127dB/133dB (Full-Space)
COVERAGE (HxV)	50-100° x 50° User Rotatable, Tailored Dispersion Technology
DRIVERS	LF: 1 x 12" (300mm)/3" (76mm) VC, high excursion B&C custom speaker HF: 1 x 1" (25mm) exit/1.7" (44mm) VC, B&C custom compression driver
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 1100W/1480W/2960W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	365 x 653 x 378mm (14.37 x 25.71 x 14.88in)
WEIGHT	25kg (55.12lb)

### HFA115

#### Active 2-Way Full-Range Speaker

- | Active high power 2-Way loudspeaker
- | 15" LF speaker and 1.4" HF compression driver
- | Rotatable, Tailored Dispersion Technology
- | High efficiency 2200Wprg Class-D power amp
- | Networkable DSP with control software



HFA115

SPEAKER TYPE	Active High Power 2-Way Speaker
FREQ. RESPONSE	47Hz - 18.000Hz
Calculated Max. SPL (Full-Space)	127.5dB/133.5dB (Full-Space)
COVERAGE	50° to 100° x 50° User Rotatable, Tailored Dispersion Technology
DRIVERS	LF: 1 x 15" (300mm)/3.5" (88mm) VC, high excursion B&C custom speaker HF: 1 x 1.4" (36mm) exit/2.5" (65mm) voice coil, custom compression driver
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 1100W/1480W/2960W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	437 x 703 x 430mm (17.2 x 27.68 x 16.93in)
WEIGHT	28kg (61.73lb)

### HFA212[W]

#### Active 2.5-Way [Wide] Full-Range Speaker

- | Active high power 2.5-way [wide] loudspeaker
- | 60° x 40° [80° x 60°] User Rotatable Tailored Disp.
- | High efficiency 2200Wprg Class-D power amp
- | 2 x 12" LF and LF-MF speakers, 1.4" HF driver
- | Networkable DSP with control software



HFA212[W]

SPEAKER TYPE	Active High Power 2.5-way [Wide] Speaker
FREQ. RESPONSE	45Hz - 18.000Hz
Calculated Max. SPL (Full-Space)	130.5dB/136.5dB (Full-Space)
COVERAGE	60° x 40° [80° x 60°] User Rotatable
DRIVERS	LF: 2 x 12" (300mm)/3" (76mm) VC, B&C custom speaker HF: 1 x 1.4" (36mm) exit/2.5" (65mm) voice coil, B&C custom compression driver
AMPLIFIER TECHNOLOGY	3 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: LF-MF: 550W/740W/1480W; 550W/740W/1480W HF: 550W/740W/1480W
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	365 x 938 x 378mm (14.37 x 36.93 x 14.88in)
WEIGHT	33kg (72.75lb)



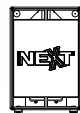
# HFA SERIES

HIGH DEFINITION SPEAKERS

## HFA112s

### 2-Channel Active Band-Pass Subwoofer

- | 2-Channel Powered Subwoofer
- | 12"/3.5" voice coil, long excursion, speaker
- | High efficiency 2220W Class-D power amp.
- | Networkable DSP with control software
- | 740Wprg output to power external satellite



### HFA112s

SPEAKER TYPE	Active Band-Pass Subwoofer
FREQ. RESPONSE (-6dB)	40Hz - X-over
Calculated Max. SPL (Continuous/Peak)	130dB/136dB (Half-space)
DRIVERS	1 x 12" (300mm)/3.5" (88mm) VC, Neodymium, long excursion, B&C custom speaker
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	Subwoofer (internal): 1100W/1480/2960W Satellite (external): 550W/740W/1480W (4Ω)
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ; Output to external satellite: 1 x NL4
DIMENSIONS (WxHxD)	349 x 512 x 550mm (13.74 x 20.16 x 21.65in)
WEIGHT	25.2kg (55.56lb)

## HFA115s[HP]

### Active Reflex Subwoofer

- | Flared Ports for Less Power Compression
- | 15"/4" voice coil, long excursion, speaker
- | High efficiency 2200Wprg Class-D power amp.
- | Networkable DSP with control software
- | Extremely compact design



### HFA115s[HP]

SPEAKER TYPE	Active Reflex Subwoofer
FREQ. RESPONSE (-6dB)	32Hz - X-over
Calculated Max. SPL (Continuous/Peak)	130.7dB/136.7dB [132dB/138dB] (Half-space)
DRIVERS	1 x 15" (380mm)/4" (100mm) VC, high excursion B&C custom speaker
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	Subwoofer (internal): 1100W/1480/2960W [2200W/2960W/5920W] Satellite (external): 550W/740W/1480W (4Ω) [-]
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ; Output to external satellite: 1 x NL4 (only on HFA115s)
DIMENSIONS (WxHxD)	448 x 556 x 511mm (17.6 x 21.89 x 20.11in)
WEIGHT	37.1kg (81.8lb)

## HFA118sHP

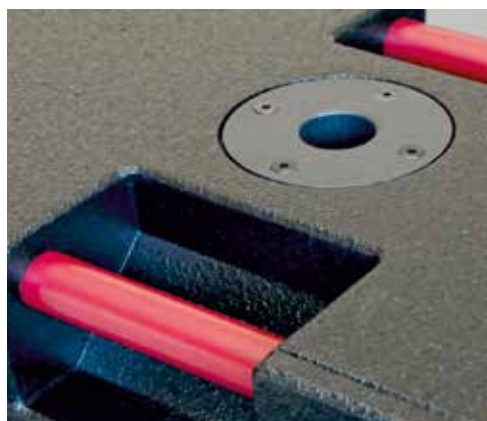
### Active Hybrid-Horn High Power Subwoofer

- | 2960Wprg Powered Subwoofer
- | 138.5dB maximum SPL
- | 18"/4" voice coil, long excursion, speaker
- | Superior bass impact thanks to horn design
- | Networkable DSP with control software



### HFA118sHP

SPEAKER TYPE	Active Hybrid-Horn Subwoofer
FREQ. RESPONSE (-6dB)	38Hz - X-over
Calculated Max. SPL (Continuous/Peak)	135dB/141dB (Half-space)
DRIVERS	1 x 18" (460mm)/4" (100mm) VC, high excursion B&C custom speaker
AMPLIFIER TECHNOLOGY	Switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	LF: 2200W/2960W/5920W -
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON
DIMENSIONS (WxHxD)	602 x 662 x 746mm (23.7 x 26.06 x 29.37in)
WEIGHT	57.4kg (126.55lb)





# X SERIES

## PROFESSIONAL VERSATILE SPEAKERS

### OVERVIEW

Audiences demand the kind of experience that simply can't be duplicated at home. Operators demand tools that deliver astonishing performance in many different applications. Designers demand solutions that perfectly merge with the venues' architecture.

These compact loudspeakers are designed for virtually any application where size is critical and high output and outstanding sonic performance are required. Natural sounding music and intelligible speech are the result not only of a careful system design, but mainly the selection and matching of the components.

To assure maximum performance and reliability, the X series incorporates only high quality speakers from one of the leading European loudspeakers manufacturer, B&C.

The constant directivity horns used in the full-range speakers are user rotatable (except X212) to allow the multi-angle enclosures to be used in either their vertical or horizontal orientation, depending on the application.

These versatile speakers work equally well as floor monitor (except X212), on tripod stands or as a flying system with a wide range of rigging points.

The series' subwoofer is an high-power 18" loudspeaker mounted on a hybrid-horn enclosure providing high SPL output with the necessary punch

Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik NL connectors.

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#### X8

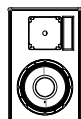
Full-Range  
Speaker/Monitor



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#### X12

Full-Range  
Speaker/Monitor



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#### X15

Full-Range  
Speaker/Monitor



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#### X212

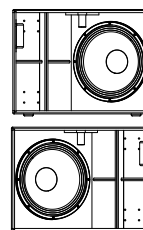
Full-Range  
Speaker



19

#### Xh18

Hybrid-Horn  
Subwoofer



### X8

#### Full-Range Speaker/Monitor

- | High Performance Loudspeaker/Stage Monitor
- | 2-Way Internal passive processor
- | 8" LF speaker and 1" HF compression driver
- | Rotatable, constant directivity HF horn
- | 45 degrees monitor angle



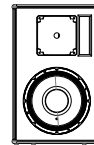
### X8

SPEAKER TYPE	Passive High Performance Full-Range Speaker/Monitor
FREQ. RESPONSE (-6dB)	72Hz - 20.000Hz
SENSITIVITY (1W@1m)	94dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	120dB/126dB (Full-Space)
COVERAGE (HxV)	90° x 60° rotatable, constant directivity
DRIVERS	LF: 1 x 8" (200mm)/2" (50mm) VC, B&C custom speaker HF: 1 x 1" (25mm) exit/1.4" (36mm) VC, B&C custom compression driver
POWER (Program/Peak)	400W/800W
NOMINAL IMPEDANCE	8Ω
DIMENSIONS (WxHxD)	254 x 451 x 238mm (10 x 17.76 x 9.37in)
WEIGHT	8.9kg (19.62lb)

### X12

#### Full-Range Speaker/Monitor

- | High Performance Loudspeaker/Stage Monitor
- | 2-Way Internal passive processor
- | 12" LF speaker and 1" HF compression driver
- | 50° to 100° x 50° Rotatable, Tailored Dispersion
- | 45 degrees monitor angle



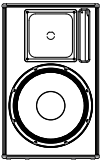
### X12

Passive High Performance Full-Range Speaker/Monitor
57Hz - 20.000Hz
99dB (Full-Space)
127.5dB/133.5dB (Full-Space)
50-10° x 50° rotatable, tailored dispersion technology
LF: 1 x 12" (300mm)/3" (76mm) VC, B&C custom speaker HF: 1 x 1" (25mm) exit/1.7" (44mm) VC, B&C custom compression driver
700W/1400W
8Ω
422 x 657 x 361mm (16.61 x 25.87 x 14.21in)
23.6kg (52.03lb)

### X15

#### Full-Range Speaker/Monitor

- | High Performance Loudspeaker/Stage Monitor
- | 2-Way Internal passive processor
- | 15" LF speaker and 1.4" HF compression driver
- | 50° to 100° x 50° Rotatable, Tailored Dispersion
- | 45 degrees monitor angle



### X15

Passive High Performance Full-Range Speaker/Monitor
53Hz - 18.000Hz
100dB (Full-Space)
129dB/135dB (Full-Space)
50-10° x 50° Rotatable, Tailored Dispersion Tech.
LF: 1 x 15" (380mm)/3" (76mm) VoiceCoil, B&C custom speaker HF: 1 x 1.4" (36mm) exit/3" (75mm) VoiceCoil, B&C custom compression driver
800W/1600W
8Ω
460 x 733 x 404mm (18.11 x 28.86 x 15.91in)
31.4 kg (69.23 lb)





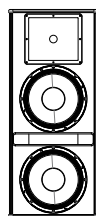
# X SERIES

PROFESSIONAL VERSATILE SPEAKERS

## X212

### Full-Range Speaker

- | Passive High Performance Loudspeaker
- | 2 x 12" LF speaker and 2" HF compression driver
- | 2-Way Internal passive crossover
- | Constant directivity HF horn



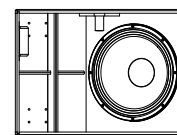
## X212

SPEAKER TYPE	Passive High Performance Full-Range Speaker
FREQ. RESPONSE (-6dB)	52Hz - 20.000Hz
SENSITIVITY (IW@1m)	102dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	133.5dB/139.5dB (Full-Space)
COVERAGE (HxV)	60° x 40° Constant Directivity
DRIVERS	LF: 2 x 12" (300mm)/3" (76mm) VC, B&C custom speaker HF: 1 x 2" (50mm) exit/3" (75mm) VC, B&C custom compression driver
POWER (Program/Peak)	1400W/2800W
NOMINAL IMPEDANCE	4Ω
DIMENSIONS (WxHxD)	424 x 985 x 361mm (16.69 x 38.78 x 14.21in)
WEIGHT	40.2kg (88.63lb)

## Xh18

### Hybrid-Horn Subwoofer

- | High SPL compact design
- | Left and Right versions available
- | Dual Technology (reflex/horn)
- | Long excursion 18"/100mm VC speaker



## Xh18

Passive Hybrid Horn Subwoofer
38Hz - X-over
105dB (Half-space)
139dB/145dB (Half-space)
-
1 x 18" (460mm)/4" (100mm) VC, long excursion B&C custom speaker
-
2400W/4800W (10ms)
8Ω
796 x 610 x 630mm (31.34 x 24.02 x 24.8in)
55.8kg (123.02lb)





# PFA SERIES

MULTI-PURPOSE SPEAKERS

## OVERVIEW

NEXT-proaudio engineered the PFA line of self-powered and passive speakers, specifically for installations, musicians and DJs who want state-of-the-art acoustics and electronics at a limited budget.

This speaker's line employs fully rotatable constant directivity horns, to adjust HxV angle coverage and custom made speaker drivers.

A powered subwoofers (PFA18s) with satellite output was designed to simplify the process of creating active 2-Way systems.

Two other high-performance subwoofers were designed to match the most demanding venues. There are both active and passive versions, PFA18sHP and PFA18spHP respectively.

To further simplify creating active 2-Way systems the PFA18s uses an integrated 2-channel digital amplifier to power external full-range passive speakers, for example the PFA8p, PFA12p or PFA15p.

Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik NL connectors on the passive versions.

It has never been so easy to enjoy professional audio performance, entirely made in Europe, at such low price!

PAGE

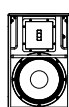
21 **PFA8**  
Active Full-Range  
Speaker

21 **PFA8p**  
Passive Full-Range  
Speaker



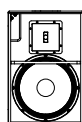
21 **PFA12**  
Active Full-Range  
Speaker

21 **PFA12p**  
Passive Full-Range  
Speaker



21 **PFA15**  
Active Full-Range  
Speaker

21 **PFA15p**  
Passive Full-Range  
Speaker



PAGE

22 **PFA18s**  
Active Front-Loaded  
Subwoofer

22 **PFA18sHP**  
Active Front-Loaded  
High Power Subwoofer

22 **PFA18spHP**  
Passive Front-Loaded  
High Power Subwoofer



# PFA SERIES

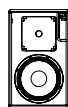
## MULTI-PURPOSE SPEAKERS

### PFA8

Active

Full-Range Speaker

- | Active / Passive 2-Way Speaker
- | 8" LF speaker and 1" HF compression driver
- | User Rotatable, Constant Directivity HF horn
- | Wall Mounting Ready



### PFA8p

Passive

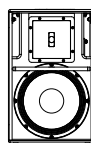
### PFA8p

### PFA12

Active

Full-Range Speaker

- | Active / Passive 2-Way Speaker/Monitor
- | 12" LF speaker and 1" HF compression driver
- | User Rotatable, Constant Directivity HF horn
- | 60 degrees monitor angle



### PFA12

### PFA12p

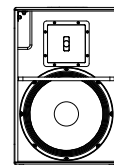
Passive

### PFA15

Active

Full-Range Speaker

- | Active / Passive Speaker/Monitor
- | 15" LF speaker and 1" HF compression driver
- | User Rotatable, Constant Directivity HF horn
- | 60 degrees monitor angle



### PFA15

### PFA15p

Passive

### PFA8

SPEAKER TYPE	Active Two-way Speaker	Passive Two-way Speaker
FREQUENCY RESPONSE (-6dB)	60Hz - 18.000Hz	60Hz - 18.000Hz
SENSITIVITY (1W@1m)	-	93.5dB (Full-Space)
Calc. Max. SPL (Continuous/Peak)	118dB/124dB (Full-Space)	118dB/124dB (Full-Space)
COVERAGE (HxV)	90° x 60° user rotatable	
DRIVERS	LF: 1 x 8" (210mm)/2" (50.5mm) Voice Coil, custom speaker	
	HF: 1 x 1" (25mm)/1.75" (44mm) Voice Coil, compression driver	
RATED POWER	-	300W
IMPEDANCE	-	8Ω
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP	-
SECTION POWER (RMS/Program/Peak)	LF: 400W/540W/1080W HF: 100W/135W/270W	-
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz	-
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch	-
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"	-
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
AC OPERATING VOLTAGE	90V - 245VAC	-
NOMINAL POWER CONSUMPTION	550W	-
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
DIMENSIONS (WxHxD)	254 x 415 x 301mm (10 x 16.33 x 11.85in)	
WEIGHT	11.8kg (26lb)	10.2kg (22.5lb)

SPEAKER TYPE	Active Two-way Speaker/Monitor	Passive Two-way Speaker/Monitor
FREQUENCY RESPONSE (-6dB)	58Hz - 18.000Hz	58Hz - 18.000Hz
SENSITIVITY (1W@1m)	-	96dB (Full-Space)
Calc. Max. SPL (Continuous/Peak)	122dB/128dB (Full-Space)	123dB/129dB (Full-Space)
COVERAGE (HxV)	90° x 60° user rotatable	
DRIVERS	LF: 1 x 12" (300mm)/2.5" (65mm) Voice Coil, custom speaker	
	HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Coil, custom compression driver	
RATED POWER	-	500W
IMPEDANCE	-	8Ω
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP	-
SECTION POWER (RMS/Program/Peak)	LF: 400W/540W/1080W HF: 100W/135W/270W	-
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz	-
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch	-
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"	-
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
AC OPERATING VOLTAGE	90V - 245VAC	-
NOMINAL POWER CONSUMPTION	550W	-
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
DIMENSIONS (WxHxD)	356 x 554 x 410mm (14.02 x 21.81 x 16.14in)	
WEIGHT	20.6kg (45.42lb)	19.6kg (43.21lb)

SPEAKER TYPE	Active Two-way Speaker/Monitor	Passive Two-way Speaker/Monitor
FREQUENCY RESPONSE (-6dB)	54Hz - 18.000Hz	54Hz - 18.000Hz
SENSITIVITY (1W@1m)	-	99dB (Full-Space)
Calc. Max. SPL (Continuous/Peak)	127dB/133dB (Full-Space)	
COVERAGE (HxV)	90° x 60° user rotatable	
DRIVERS	LF: 1 x 15" (380mm)/3" (76mm) Voice Coil, custom speaker	
	HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Coil, custom compression driver	
RATED POWER	-	600W
IMPEDANCE	-	8Ω
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP	-
SECTION POWER (RMS/Program/Peak)	LF: 400W/540W/1080W HF: 100W/135W/270W	-
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz	-
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch	-
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"	-
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
AC OPERATING VOLTAGE	90V - 245VAC	-
NOMINAL POWER CONSUMPTION	550W	-
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
DIMENSIONS (WxHxD)	431 x 654 x 440mm (16.97 x 25.75 x 17.32in)	
WEIGHT	25.7kg (56.66lb)	24.5kg (54.01lb)

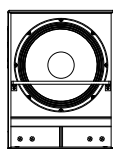




### PFA18s

#### Active Front-Loaded Subwoofer

- | 2-Channel Powered Subwoofer
- | 18" /4" voice coil, long excursion, speaker
- | High efficiency 1650 W Class-D power amplifier
- | Networkable DSP with control software
- | 550W output to power external satellite



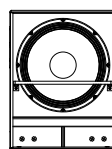
#### PFA18s

SPEAKER TYPE	Active Reflex Subwoofer
FREQUENCY RESPONSE (-6dB)	38Hz - X-over
SENSITIVITY (1W@1m)	-
Calculated Max. SPL (Continuous/Peak)	133dB/139dB (Half-space)
DRIVERS	LF: 1 x 18" (450mm)/4" (100mm) VC long excursion, custom speaker
POWER (Program/Peak)	-
IMPEDANCE	-
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	Subwoofer (internal): 1100W/1480W/2960W Satellite (external): 550W/740/1480W (4Q)
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ; Output to external satellite: 1 x NL4
DIMENSIONS (WxHxD)	525 x 703 x 735mm (20.67 x 27.68 x 28.94in)
WEIGHT	47.1kg (103.84lb)

### PFA18sHP

#### Active Front-Loaded High Power Subwoofer

- | 2960Wprg Powered Subwoofer
- | 18"/4" voice coil, long excursion, speaker
- | Large Port Areas for Low Distortion
- | Compatible with All PFA Series Speakers
- | Networkable DSP with control software



#### PFA18sHP

SPEAKER TYPE	Active Reflex Subwoofer
FREQUENCY RESPONSE (-6dB)	36Hz - X-over
SENSITIVITY (1W@1m)	-
Calculated Max. SPL (Continuous/Peak)	136dB/142dB (Half-space)
DRIVERS	LF: 1 x 18" (450mm)/4" (100mm) VC, long excursion, B&C custom speaker
POWER (Program/Peak)	-
IMPEDANCE	-
AMPLIFIER TECHNOLOGY	Switched mode class D with DSP
SECTION POWER (RMS/Program/Peak)	Subwoofer: 2200W/2960W/5920W -
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute
AC OPERATING VOLTAGE	180V - 245VAC
NOMINAL POWER CONSUMPTION	770W
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ;
DIMENSIONS (WxHxD)	525 x 703 x 735mm (20.67 x 27.68 x 28.94in)
WEIGHT	47.9kg (105.6lb)

### PFA18spHP

#### Passive Front-Loaded High Power Subwoofer

- | Bass Reflex Subwoofer
- | 18" Long Excursion Custom Speaker
- | Large Port Areas for Low Distortion
- | Compatible with All PFA Series Speakers
- | High Maximum SPL



#### PFA18spHP

SPEAKER TYPE	Passive Reflex Subwoofer
FREQUENCY RESPONSE (-6dB)	36Hz - X-over
SENSITIVITY (1W@1m)	103dB (Half-space)
Calculated Max. SPL (Continuous/Peak)	136.8dB/142.8dB (Half-space)
DRIVERS	LF: 1 x 18" (450mm)/4" (100mm) VC, long excursion, B&C custom speaker
POWER (Program/Peak)	2400W/4800W (10ms)
IMPEDANCE	8Ω
AMPLIFIER TECHNOLOGY	-
SECTION POWER (RMS/Program/Peak)	-
CONTROLLER	-
SYSTEM PRESETS	-
PC CONTROL	-
DSP ADJUSTABLE PARAMETERS	-
AC OPERATING VOLTAGE	-
NOMINAL POWER CONSUMPTION	-
CONNECTORS	2 x Neutrik NL4
DIMENSIONS (WxHxD)	525 x 703 x 735mm (20.67 x 27.68 x 28.94in)
WEIGHT	44.8kg (98.8lb)



# MATRIX SERIES

## COLUMN ARRAY SERIES

### OVERVIEW

The MATRIX passive column arrays are composed of closely-spaced state of the art, 3" neodymium transducers housed in a stylish and yet sturdy aluminum/wood chassis for excellent Architectural Integration.

These speaker arrays have been developed in order to offer the highest intelligibility at high SPL and wider frequency response while providing constant beam-width over a user selectable vertical coverage. This accurate beam control extends up to 10kHz, well beyond the benchmark of 4kHz of traditional single-driver loudspeakers.

To better control the lower frequencies, the Tuned Dipolar Technology was developed by NEXT-proaudio engineers to provide much more consistent low frequency pattern control than other similar size systems.

A user selectable Music / Vocal mode switch is incorporated to allow quick and easy system optimization. Music mode provides a flat, balanced frequency response, while Vocal mode adds a mid-range presence for enhanced speech intelligibility.

NEXT MATRIX column arrays are able to focus the acoustical energy where it is needed, the listening area, leading to significant improvements to speech intelligibility and musical clarity even in critical acoustic environments.

For even greater versatility, the vertical dispersion pattern can be switched for Wide or Narrow coverage.

Small conventional column loudspeakers arrays provide no significant vertical directivity control at lower frequencies due to their physical size.

To better control the lower frequencies, the Tuned Dipolar Technology was developed to provide more consistent low frequency pattern control than other similar size systems. This can be useful in reducing the stimulation of resonant room modes at low frequencies.

The heart of the NEXT MATRIX column arrays is the internal processing board. This proprietary special circuitry takes care of the array optimization and allows the user to easily adjust the system behavior to meet the application requirements.

For an architectural integrated installation, a 16mm cavity in the back of the speaker provides ample space for hidden speaker wiring, even when the speaker is mounted flat against a wall.

Removable Input screw connector offers reliable, easier and more efficient wiring.

A variety of accessories is available to provide linking, hanging, and wall or pole mounting.

For high-impedance (100V) operation, an optional multi tap transformer is available.

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**M3**

Passive Column  
Array



PAGE

24

**M8**

Passive Column  
Array





# MATRIX SERIES

## COLUMN ARRAY SERIES

### M3

#### Passive Column Array

- | Variable Beam Shaping
- | Tuned Dipolar Technology
- | Simple and Discreet Install
- | Vocal and Music Selector
- | 100V - 40W Transformer (optional)



#### M3

SPEAKER TYPE	Tuned Dipolar, Variable Beam Straight Line Array
DRIVERS	3 x 3" (70mm)/0.75" (20mm) VC, custom neodymium speaker
FREQ. RESPONSE (-10dB) (with dedicated preset)	140Hz - 20kHz
EQ. OPTIMIZATION MODE	Vocal or Music (User Selectable)
HORIZONTAL COVERAGE	90° (+/-20° 1.5-5kHz)
VERTICAL COVERAGE (Wide/Narrow)	40° (+/-10° 2-16kHz) / 15° (+/-10° 3-16kHz)
SENSITIVITY (1W@1m) (Vocal/Music)	96dB/93dB
Calc. Max. SPL Vocal (Continuous/Peak)	118.6dB/121.6dB
Calc. Max. SPL Music (Continuous/Peak)	115.6dB/118.6dB
PROGRAM POWER	180W
NOMINAL IMPEDANCE	8Ω
RECOMMENDED AMPLIFIER	MA900
RECOMMENDED SUBWOOFER	K12s, K12sA, HFA115s
ENCLOSURE	Aluminum / Wood / Steel / 3D Fabric
STANDARD ENCLOSURE COLOR	Black or White
CONNECTORS	4 Pins Screw Connector (IN/OUT)
DIMENSIONS (WxHxD)	108 x 296 x 152mm (4.25 x 11.65 x 5.98in)
WEIGHT	2.6kg (5.73lb)

### M8

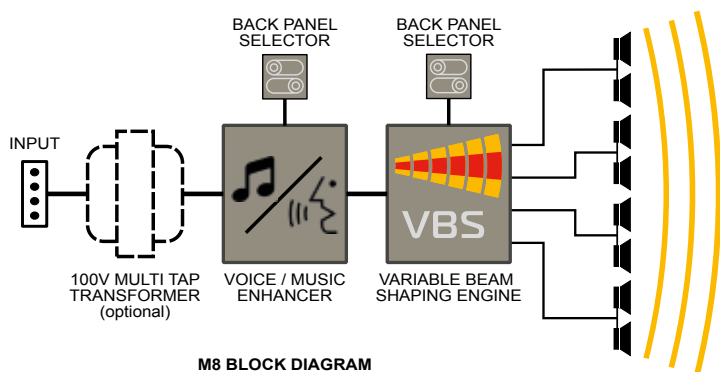
#### Passive Column Array

- | Variable Beam Shaping
- | Tuned Dipolar Technology
- | High intelligibility at high SPL
- | Vocal and Music Selector
- | 100V - 80W Transformer (optional)



#### M8

SPEAKER TYPE	Tuned Dipolar, Variable Beam Straight Line Array
DRIVERS	8 x 3" (70mm)/0.75" (20mm) VC, custom neodymium speaker
FREQ. RESPONSE (-10dB) (with dedicated preset)	135Hz - 20kHz
EQ. OPTIMIZATION MODE	Vocal or Music (User Selectable)
HORIZONTAL COVERAGE	90° (+/-20° 1.5-5kHz)
VERTICAL COVERAGE (Wide/Narrow)	25°(+/-10° 1.2-16kHz) / (+10°/-5° 1.5-16kHz)
SENSITIVITY (1W@1m) (Vocal/Music)	100dB/97dB
Calc. Max. SPL Vocal (Continuous/Peak)	126.1dB/129.1dB
Calc. Max. SPL Music (Continuous/Peak)	123.1dB/126.1dB
PROGRAM POWER	480W
NOMINAL IMPEDANCE	8Ω
RECOMMENDED AMPLIFIER	MA1700
RECOMMENDED SUBWOOFER	HFA115s, HFA115sHP, HFA118sHP
ENCLOSURE	Aluminum / Wood / Steel / 3D Fabric
STANDARD ENCLOSURE COLOR	Black or White
CONNECTORS	4 Pins Screw Connector (IN/OUT)
DIMENSIONS (WxHxD)	108 x 677 x 152mm (4.25 x 26.65 x 5.98in)
WEIGHT	6.2kg (13.7lb)



M8 BLOCK DIAGRAM



# KUBIX SERIES

## TIME COHERENT SPEAKERS

### OVERVIEW

Emerging from the R&D Department and following an extensive engineering work, NEXT-proaudio's new single point source line KUBIX is intended to provide high performance and fidelity as well as a coverage consistency to the venues.

Designed to be included within fixed installations this single point source series were released to create an uniform wave front without hot spots combining high fidelity, transparency, highly accurate and neutral sounding with a compact format to deliver the best sound to every members of the audience.

The family currently consists on 6 models of two-way coaxial loudspeakers: K5 (5", extended LF, passive), K5+ (5", High sensitivity, passive), K8 (8", passive), K8A (8", active 2-way with DSP), K12 (12", passive) and K12A (12", active 2-way with DSP).

The coaxial full-range models are complemented by high-performance subwoofers: K10s (10", passive), K10sA (10", active with DSP), K12s (12", passive) and K12sA (12", active with DSP). Both models are capable to power external passive "Satellites" such as K5, K8 and K12 as well as other units from the NEXT-proaudio range.

With KUBIX is possible to cover practically all install applications including nightclubs, bars, restaurants, convention centres, hotels, museums and houses of worship.

These versatile speakers work equally well as monitor, on a tripod stand or wall/ceiling/corner-mounted using the available range of mounting accessories.

The active enclosures are powered by integrated, lightweight Class-D audio amplifiers, specially engineered to provide high impact, balanced, rich and transparent sound at any volume. The integrated networkable DSP provides extended flexibility allowing the user to adjust several important audio processing parameters, input EQ, Input Level, Satellite Level, Input Delay, Satellite Delay, HP/LP filters and Bass Enhancer. A total of 8 selectable PRESET memories are available, 6 already loaded with factory PRESETS and 2 for user personal adjustments.

The KUBIX Series can be supplied in black or white colour as standard as well as in any RAL colour to special order.

PAGE

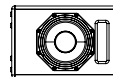
26 **K5**  
Full-Range  
Coaxial Speaker

26 **K5+**  
High-Sensitivity  
Coaxial Speaker



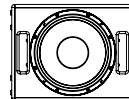
26 **K8A**  
Active Full-Range  
Coaxial Speaker

26 **K8**  
Passive Full-Range  
Coaxial Speaker



26 **K12A**  
Active Full-Range  
Coaxial Speaker

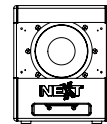
26 **K12**  
Passive Full-Range  
Coaxial Speaker



PAGE

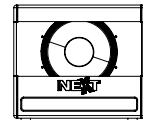
27 **K10sA**  
Active Front-Loaded  
Subwoofer

27 **K10s**  
Passive Front-Loaded  
Subwoofer



27 **K12sA**  
Active Front-Loaded  
Subwoofer

27 **K12s**  
Passive Front-Loaded  
Subwoofer





# KUBIX SERIES

TIME COHERENT SPEAKERS

## K5

Full-Range  
Coaxial Speaker

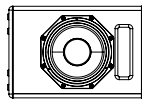
- | Passive 2-way Loudspeaker
- | Ultra-compact Coaxial Design
- | 5" LF Speaker and 1" HF Compression Driver
- | Microphone Stand U-Bracket
- | Full-Range Speaker



## K5+ K8A

Active  
Full-Range Coaxial Speaker

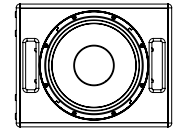
- | 2-way Loudspeaker
- | Ultra-compact Coaxial Design
- | 8" LF Speaker and 1" HF Compression Driver
- | Several U-Bracket Applications
- | Very Smooth and Clear Sound



## K8 K12A

Passive  
Full-Range Coaxial Speaker

- | 2-way Loudspeaker
- | Ultra-compact Coaxial Design
- | 12" LF Speaker and 1.4" HF Compression Driver
- | Several U-Bracket Applications
- | Extended Low Frequency Response



## K12

Passive  
Full-Range Coaxial Speaker

### K5

### K5+

SPEAKER TYPE	Passive Coaxial Reflex Speaker	
FREQUENCY RESPONSE (-6dB)	112Hz - 18.000Hz	150Hz - 18.000Hz
LOW FREQUENCY EXTENSION (-10dB)	70Hz	100Hz
RECOMMENDED HIGH-PASS FILTER	65Hz	125Hz
SENSITIVITY (1W@1m)	91dB (Full-Space)	93dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	114dB/117dB (Full-Space)	116dB/119dB (Full-Space)
COVERAGE (HxV)	80° Conical	
DRIVERS	LF: 1 x 5" (127mm)/1.7" (44mm) Voice Coil, B&C custom speaker	
	HF: 1 x 1" (25mm)/1" (25mm) Voice Coil, B&C compression driver	
RATED POWER	200W	200W
IMPEDANCE	8Ω	8Ω
RECOMMENDED AMPLIFIER	MA900	MA900
AMPLIFIER TECHNOLOGY	-	-
SECTION POWER (RMS/Program/Peak)	-	-
CONTROLLER	-	-
SYSTEM PRESETS	-	-
PC CONTROL	-	-
DSP ADJUSTABLE PARAMETERS	-	-
AC OPERATING VOLTAGE	-	-
NOMINAL POWER CONSUMPTION	-	-
CONNECTORS	2 x Neutrik NL4 2 x Screw Terminal	
DIMENSIONS (WxHxD)	170 x 170 x 187mm (6.70 x 6.70 x 7.36in)	
WEIGHT	3.3kg (7.28lb)	3.3kg (7.28lb)

### K8A

Active Coaxial Reflex Speaker	Passive Coaxial Reflex Speaker
67Hz - 18.000Hz	67Hz - 18.000Hz
59Hz	59Hz
-	55Hz
-	96dB (Full-Space)
122dB/125dB (Full-Space)	123dB/126dB (Full-Space)
100° Conical	
LF: 1 x 8" (210mm)/2" (51mm) Voice Coil, B&C custom speaker	
HF: 1 x 1" (25mm) exit/1.7" (44mm) Voice Coil, B&C custom compression driver	
-	500W
-	8Ω
-	MA1700
2 channel switched mode class D with DSP	-
LF: 400W/540W/1080W	-
HF: 100W/135W/270W	-
PC controlled Networkable DSP 24bit/48kHz	-
6 Factory and 2 User, selectable via software or rear panel switch	-
Via RS485 and supplied software "SOUNDWARE"	-
6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
90V - 245VAC	-
550W	-
Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
397 x 264 x 281mm (15.63 x 10.39 x 11.06in)	
12.2kg (26.9lb)	10.8kg (23.8lb)

### K8

### K12A

Active Coaxial Reflex Speaker	Passive Coaxial Reflex Speaker
53Hz - 18.000Hz	53Hz - 18.000Hz
44Hz	44Hz
-	47Hz
-	98dB (Full-Space)
124dB/127dB (Full-Space)	126.5dB/129.5dB (Full-Space)
80° Conical	
LF: 1 x 12" (300mm)/3" (76mm) Voice Coil, B&C custom speaker	
HF: 1 x 1.4" (36mm) exit/3" (75mm) Voice Coil, B&C custom compression driver	
-	700W
-	8Ω
-	MA2300/MA3200
2 channel switched mode class D with DSP	-
LF: 400W/540W/1080W	-
HF: 100W/135W/270W	-
PC controlled Networkable DSP 24bit/48kHz	-
6 Factory and 2 User, selectable via software or rear panel switch	-
Via RS485 and supplied software "SOUNDWARE"	-
6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
90V - 245VAC	-
550W	-
Signal: 2 x XLR ; Power: 2 x powerCON	2 x Neutrik NL4
450 x 354 x 361mm (17.72 x 13.94 x 14.21in)	
17.2kg (37.9lb)	15.6kg (34.4lb)



# KUBIX SERIES

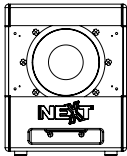
TIME COHERENT SPEAKERS

## K10sA

Active

Front-Loaded Subwoofer

- | Bass Reflex Subwoofer
- | Ultra-compact design
- | Discreet design for fixed installation
- | Extended Low Frequency Response
- | 10" Long excursion custom speaker



### K10sA

SPEAKER TYPE	Active Reflex Subwoofer	Passive Reflex Subwoofer
FREQUENCY RESPONSE (-6dB)	44Hz - X-over	44Hz - 500Hz
LOW FREQUENCY EXTENSION (-10dB)	37Hz	37Hz
RECOMMENDED HIGH-PASS FILTER	-	34Hz
SENSITIVITY (1W@1m)	-	99dB (Half-Space)
Calculated Max. SPL (Continuous/Peak)	125dB/128dB (Half-Space)	126dB/129dB (Half-Space)
DRIVERS	LF: 1 x 10" (250mm)/2.5" (65.5mm) VC, Long Excursion custom speaker	
RATED POWER	-	500W
IMPEDANCE	-	8Ω
RECOMMENDED AMPLIFIER	-	MA900 (bridge)/MA2300
AMPLIFIER TECHNOLOGY	2 channel switched mode class D with DSP	-
SECTION POWER (RMS/Program/Peak)	Subwoofer (int): 400W/540W/1080W Satellite (ext): 100W/135W/270W (8Ω)	-
CONTROLLER	PC controlled Networkable DSP 24bit/48kHz	-
SYSTEM PRESETS	6 Factory and 2 User, selectable via software or rear panel switch	-
PC CONTROL	Via RS485 and supplied software "SOUNDWARE"	-
DSP ADJUSTABLE PARAMETERS	6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
AC OPERATING VOLTAGE	90V - 245VAC	-
NOMINAL POWER CONSUMPTION	550W	-
CONNECTORS	Signal: 2 x XLR ; Power: 2 x powerCON ; Output to external satellite: 1 x Neutrik NL4	2 x Neutrik NL4
DIMENSIONS (WxHxD)	350 x 436 x 389mm (13.77 x 17.16 x 15.31in)	
WEIGHT	15.9kg (35lb)	12.9kg (28.44lb)

## K10s

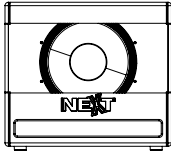
Passive

## K12sA

Active

Front-Loaded Subwoofer

- | Bass Reflex Subwoofer
- | Ultra-compact design
- | Discreet design for fixed installation
- | Extended Low Frequency Response
- | 12" Long excursion custom speaker



### K12sA

Active Reflex Subwoofer	Passive Reflex Subwoofer
43Hz - X-over	43Hz - 500Hz
38Hz	38Hz
-	42Hz
-	101dB (Half-Space)
131.5dB/134.5dB (Half-Space)	132.5dB/135.5dB (Half-Space)
LF: 1 x 12" (300mm)/3.5" (88mm) VC, Neodymium Long Excursion B&C custom speaker	
-	1400W
-	8Ω
-	MA2300 (bridge)/MA3800
2 channel switched mode class D with DSP	-
Subwoofer (internal): 1100W/1480W/2960W Satellite (ext): 550W/740W/1480W (4Ω)	-
PC controlled Networkable DSP 24bit/48kHz	-
6 Factory and 2 User, selectable via software or rear panel switch	-
Via RS485 and supplied software "SOUNDWARE"	-
6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Mute	-
180V - 245VAC	-
770W	-
Signal: 2 x XLR ; Power: 2 x powerCON ; Output to external satellite: 1 x Neutrik NL4	2 x Neutrik NL4
490 x 427 x 370mm (19.29 x 16.81 x 14.56in)	
22kg (48.5lb)	18.1kg (39.9lb)

## K12s

Passive





### OVERVIEW

The NEXT CX loudspeaker series were designed for applications requiring high impact sound reinforcement over large distances with class leading pattern control and outstanding sonic performance such as large corporate AV systems, stadiums, large dance clubs, live concert halls, theatres, houses of worship and open-air venues.

The enclosures are trapezoidal in shape and constructed from multiples hardwood with integrated, angle adjustment system and flying hardware. This cleverly engineered hardware permits an easy adjustment of the vertical angles, both positive and negative, in suspended or ground-stacked applications.

The CXH64 incorporates a unique driver, patent pending technology, to radiate a coherent single point source perfectly time aligned without the associated problems of multi source interference. This is a huge advantage of this system over the traditional solution of an HF compression driver and a separate midrange compression driver each with its own horn, where invariably there are phase problems between the midrange and high frequency at the crossover region, resulting in uneven off axis performance.

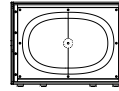
Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik connectors.

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#### CXH64

2-Way Mid/High Speaker

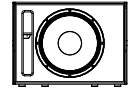


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#### CXL151

Bass Reflex LF Speaker



#### CX Wall

(3x CXH64 + 6x CXL151)

[More Info: [Page 29](#)]



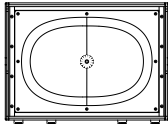
# CX SERIES

## POINT SOURCE SPEAKERS

### CXH64

#### 2-Way Mid/High Speaker

- | Point source, long throw performance
- | 2" horn loaded coaxial design
- | Perfect Dispersion Control
- | Low distortion, very high SPL
- | Extremely smooth and natural response



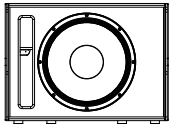
### CXH64

SPEAKER TYPE	2-Way Point Source Horn-Loaded Speaker
FREQ. RESPONSE (-6dB)	350Hz - 17000Hz
SENSITIVITY (1W@1m)	113.5dB (Full-Space)
Calculated Max. SPL (Continuous/Peak)	135.5dB/141.5dB (Full-Space)
COVERAGE (HxV)	60° x 40°
DRIVERS	MF/HF: 1 x 2" (50mm) two-way custom coaxial driver
POWER (Program/Peak)	160W/320W
NOMINAL IMPEDANCE	8Ω
RECOMMENDED AMPLIFIER	MA900
CROSSOVER (Frequency, Type)	8000Hz asymmetrical (internal)
RECOMMENDED FILTER	HP: 400Hz - 24dB/oct active (external) -
CONNECTORS	2 x Neutrik NL4 parallel wired
DIMENSIONS (WxHxD)	654 x 483 x 662mm (25.75 x 19.02 x 26.06in)
WEIGHT	36kg (79.37lb)

### CXL151

#### Bass Reflex LF Speaker

- | High SPL with good End
- | Stunning impulse response accuracy
- | Dynamic bass even under high SPL loads
- | Long excursion 15"/3" VC speaker
- | 2 cabinets configurations for optimal coupling



### CXL151

Bass Reflex Speaker
48Hz - 1000Hz
104dB (Half-space)
134dB/140dB (Half-Space)
-
1 x 15" (380mm)/3" (76mm) VC, high excursion, B&C custom speaker
1000W/2000W
8Ω
MA2300, MA3200
-
HP: 38Hz - 18dB/oct Butterworth LP: 400Hz - 24dB/oct active (external)
2 x Neutrik NL4 parallel wired
654 x 483 x 662mm (25.75 x 19.02 x 26.06in)
36.6kg (80.69lb)



360° CX Cluster  
(6x CXH64 + 12x CXL151 + 6x X8)



### OVERVIEW

The MA series amplifiers are the result of near 25 years of experience of a skilled European team and the adoption of the most recent production technologies. This ends in a product of unsurpassed performance and extreme reliability.

The MA series power supply uses high-current toroidal transformers and a huge capacitor bank to ensure an uncommonly high amount of stored energy. This makes a critical difference in sound quality allowing incredible transient response and speaker's damping control, even when driving 2Ω loads.

To achieve its remarkable sound quality, the NEXT MA series output circuits were engineered as a high bandwidth, very low bias and feedback class AB or H, using the highest grade linear output devices. This approach yields outstanding studio-quality sound accuracy and detail.

The MD14000 and MQ10000 amplifiers were designed for the most demanding live audio users, whether in touring rigs or fixed installations, meeting the needs of sound system designers and contractors of reliable, powerful, light weight and compact power amplifiers.

With power ratings up to 7000W per channel, these amplifiers are capable of providing plenty of clean, undistorted output to the most power hungry speaker systems.

These extremely powerful, 2 or 4 channel power amplifiers use a modern and highly efficient variation of the Class H technology with a sonic performance comparable to the best Class AB designs.

PAGE

31 **MA900**  
2U Professional Power Amplifier

31 **MA1700**  
2U Professional Power Amplifier

31 **MA2300**  
2U Professional Power Amplifier

31 **MA300**  
2U Professional Power Amplifier

31 **MA3800**  
3U Professional Power Amplifier

PAGE

31 **MA6000**  
3U Professional Power Amplifier

32 **MQ10000**  
Professional Class H Amplifier

32 **MD14000**  
Professional Class H Amplifier

32 **Powersoft X4**  
1U Amplifier with DSP

32 **Powersoft X8**  
2U Amplifier with DSP

The highly efficient switching power supply is optimized for maximum power transfer from the AC line, to the Class H output stage and then to the loudspeakers.

Sophisticated micro-processor controlled protection systems continuously monitor all aspects of performance and under extreme or abusive conditions the MD14000 and MQ10000 amplifiers will progressively decrease the audio level while endeavouring to find a stable operating level.



# AMPLIFIERS

## PROFESSIONAL AMPLIFIERS

### MA900 MA1700 MA2300 MA3200 MA3800 MA36000

#### 2U Professional Power Amplifier

- | Calibrated input attenuators
- | Signal present, Maximum power and Protection
- | XLR and 6.35mm TRS jack paralleled balanced inputs
- | Mode selector (Parallel, Stereo or Bridge)
- | Anti-clipping compressor and Earth-lift switches



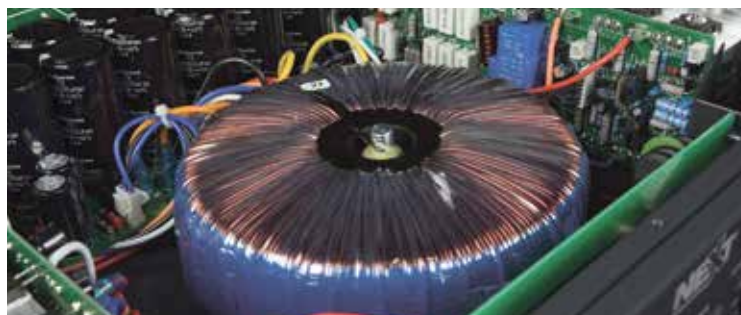
#### 3U Professional Power Amplifier

- | Calibrated input attenuators
- | Signal present, Maximum power and Protection
- | XLR and 6.35mm TRS jack paralleled bal. inputs
- | Mode selector (Parallel, Stereo or Bridge)
- | Anti-clipping compressor and Earth-lift switches



	MA900	MA1700	MA2300	MA3200
POWER (Stereo)	8Ω	2 x 200W	2 x 400W	2 x 600W
	4Ω	2 x 325W	2 x 625W	2 x 875W
	2Ω	2 x 475W	2 x 850W	2 x 1150W
POWER (Bridge)	8Ω	650W	1250W	1750W
	4Ω	950W	1700W	2300W
FREQ. RESPONSE (Half-Power)	15Hz - 25.000Hz (+0/-1dB)			
THD+NOISE@1kHz (Half-Power)	<0.03%			
IMD (60Hz and 7kHz, 4:1)	<0.01%			
SIGNAL TO NOISE RATIO (SNR)	>102dB			
SLEW RATE (Input Filter Limit.)	40V/μs			
DAMPING FACTOR (1kHz@8Ω)	>400:1			
INPUT SENSITIVITY	Selectable (0.77V / 1.0V / 1.44V)			
INPUT IMPEDANCE	10kΩ balanced to ground			
INPUT CONNECTORS	Female XLR-3 and 6.35mm TRS jack			
OUTPUT CIRCUITRY	Class AB	Class AB	Class AB	Class H
OUTPUT CONNECTORS	4 pole Speakon and binding posts			
PROTECTIONS	Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF			
LED INDICATORS (Per Channel)	Active, signal, limit, protect			
PANEL CONTROLS	Front: 2 input attenuators   Rear: Ground lift, mode selection, compressor			
COOLING	Front to back via 2 variable speed fans			
POWER REQUIREMENTS	230VAC, 50Hz-60Hz (others by request)			
DIMENSIONS (WxHxD)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)	483mm x 88.8mm x 465mm (19.02 x 18.31 x 3.5in)
WEIGHT	17.4kg (38.36lb)	20.5kg (45.19lb)	23.3kg (51.37lb)	23.2kg (51.15lb)

MA3800	MA6000
2 x 1000W	2 x 1400W
2 x 1500W	2 x 2100W
2 x 1900W	2 x 3000W
3000W	4200W
3800W	6000W
15Hz - 25.000Hz (+0/-1dB)	
<0.035%	
<0.02%	
>105dB	
40V/μs	
>400:1	
Selectable (0.77V / 1.0V / 1.44V)	
10kΩ balanced to ground	
Female XLR-3 and 6.35mm TRS jack	Female & Male XLR-3
Class H	Class H
4 pole Speakon and binding posts	
Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF	
Active, signal, limit, protect	
Front: 2 input attenuators Rear: Ground lift, mode selection, compressor	
Front to back via 2 variable speed fans	
230VAC, 50Hz-60Hz (others by request)	
483mm x 132mm x 465mm (19.02 x 18.31 x 5.2in)	483mm x 132mm x 465mm (19.02 x 18.31 x 5.2in)
29.4kg (64.82lb)	37.2kg (82.01lb)





# AMPLIFIERS

PROFESSIONAL AMPLIFIERS

## MQ10000

## MD14000

## Powersoft X4

## Powersoft X8

**Professional Class H Amplifier  
with Switch Mode Power Supply**

**1U Amplifier  
with DSP**

**2U Amplifier  
with DSP**

- | 4 Channel (MQ10000) and 2 Channel (MD14000) configuration
- | Unprecedented power density
- | Highly efficient variation of the Class H
- | High Voltage with peak limiter
- | Excessive output current warning

- | 4 Channel (X4) and 8 Channel (X8) configuration
- | High level DSP
- | Active Damping Control
- | Peak and RMS limiters
- | Switching mode power supply with PFC



### MQ10000

### MD14000

### Powersoft X4

### Powersoft X8

PEAK TOTAL POWER	8800W	14000W	20800W	41600W
POWER (Stereo)	8Ω 4 x 1250W	2 x 2350W	4 x 1600W	8 x 1600W
	4Ω 4 x 2100W	2 x 4400W	4 x 3000W	8 x 3000W
	2Ω 4 x 2200W	2 x 7000W	4 x 5200W	8 x 5200W
POWER (Bridge)	16Ω 2 x 2500W	4700W	-	-
	8Ω 2 x 4200W	8800W	2 x 6000W	4 x 6000W
	4Ω 2 x 4440W	14000W	2 x 10400W	4 x 10400W
NUMBER OF CHANNELS	4	2	4	8
THD@1kHz (1dB below Clipping)	<0.05%	<0.05%	<0.01%	<0.01%
SIGNAL TO NOISE RATIO (SNR)	>112dBA	>112dBA	-	-
CROSSTALK	-70dB	-70dB	-70dB	-70dB
GAIN	35dB	35dB	32dB	32dB
INPUT IMPEDANCE	>20kΩ	>20kΩ	20kΩ balanced	20kΩ balanced
INPUT COMMON MODE REJECTION (CMR)	>54dB	>54dB	-	-
DIMENSIONS (WxHxD)	483mm x 88mm x 343mm (19.02 x 3.46 x 13.5in)	483mm x 88mm x 343mm (19.02 x 3.46 x 13.5in)	483mm x 44mm x 495mm (19.02 x 1.73 x 19.49in)	483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
WEIGHT	13.5kg (29.76lb)	12.5kg (27.56lb)	15kg (33.07lb)	24kg (52.91lb)



# PROCESSORS

## DIGITAL SIGNAL PROCESSORS

### OVERVIEW

The NEXT LMS242 loudspeaker management system, brings a new level of audio performance and value to the installers and live sound engineers that are looking for full features high-end audio quality processor.

The "state of the art" 96kHz, 40Bit floating point DSP engine, the high performance 24Bit converters, and the precise algorithms, guarantee high end audio quality.

The NEXT LMS242 has 2 inputs that can be matrix mixed/routed to any or all 4 outputs. Both 2 inputs offer 650ms delay, 31-band graphic and 8 parametric equalizers, a complete Low-pass/High-pass filter section (max 48dB/oct) and a compressor.

All 4 outputs offer 650ms delay, a 8-band parametric EQ, a complete Low-pass/High-pass filter section (max 48dB/oct) and a true RMS limiter. The LMS242 configuration can be accomplished in real time from the front panel or, for ultimate control, with a computer, by using the supplied LMS software control GUI for XP, Vista, Windows 7, Windows 8 and Windows 10.

Connectivity over RS232, USB and Ethernet are standard. That makes the LMS242 wireless ready (through a standard wireless router) and able to be connected to an Ethernet network, with max 16 units, being real time controlled from any location. This processor is an excellent choice among installers and live sound engineers that are looking for full features high-end audio quality processor.

The NEXT DP240 and DP260 are accurate yet affordable sound processors, for professional sound system management, considerably more powerful than similarly priced units, providing a versatile and economical alternative for system designers.

These digital speaker processors deliver excellent sound quality and an impressive variety of processing functions.

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#### 34 LMS242

2 IN 4 OUT

Loudspeaker Management System

#### 34 DP240

2 IN 4 OUT

Loudspeaker Management System

#### 34 DP260

2 IN 6 OUT

Loudspeaker Management System

They feature 2 inputs and 4 outputs on DP240 and 2 inputs and 6 outputs on DP260, and have a 3 parametric equalizers for each input. All the outputs feature crossover filters, 5 parametric equalizers, phase inversion, gain, source selector, delay and fully featured high performance limiter with complete control over attack, release and threshold parameters. Other features include a choice of Low-pass and High-pass filters from 6 to 48dB/Octave roll-off, and Butterworth, Bessel, Linkwitz-Riley or 12dB variable Q responses.

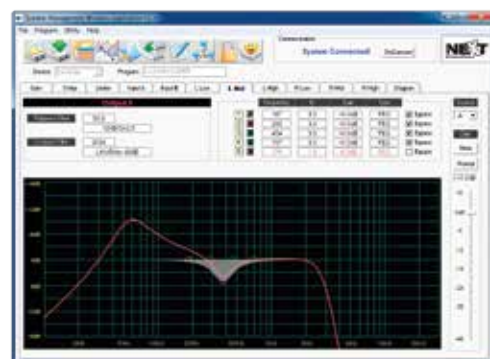
Independent control of each High-pass and Low-pass filters allows asymmetric crossover bands to be created. Inputs and outputs can be routed in multiple configurations to meet any requirement.

Three velocity-sensitive encoders provide a familiar and intuitive control format with all filter information displayed simultaneously on a backlit LCD screen. Full metering is provided for inputs and outputs, with mute/access buttons allowing quick set up and gain adjustment.

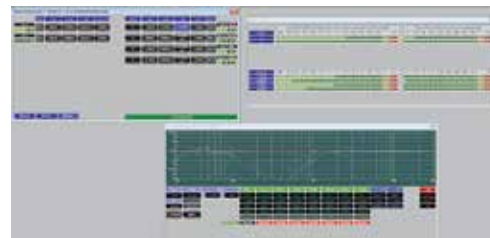
These processors are supplied with PC compatible control software for full system set up and management.



DP240/DP260 User Interface



LMS242 User Interface





## LMS242

## 2 IN 4 OUT Loudspeaker Management System

- | 2 Inputs and 4 Outputs with routing
- | 96kHz, 40 Bit Floating Point DSP Engine
- | Ethernet connection
- | 8 band parametric EQ per input and output
- | 31band graphic equalizer per input



## LMS242

INPUT/OUTPUT TYPE	Balanced 10k $\Omega$ /50 $\Omega$
MAXIMUM LEVEL	+20dBu
FREQUENCY RESPONSE	$\pm$ 0.1dB (20Hz to 30.000Hz)
DYNAMIC RANGE	115dB (unweighted)
CMMR	>100dB (50Hz to 10.000Hz)
CROSSTALK	$\leq$ 100dB
DISTORTION	0.002% (1.000Hz to +4dBu)
PROCESSOR (DSP)	40Bit floating point
SAMPLING RATE	96kHz
ANALOGUE CONVERTERS	Super performance 24Bit
PROPAGATION DELAY	1.5ms
GAIN	-40dB to +15dB in 0.25dB steps
POLARITY	+/-
DELAY	Up to 650ms (225m) per Input / Output
VARIABLE EQUALIZERS	8 PEQ per Input / Output + 31 band GEQ per Input
EQUALIZER TYPE	Parametric, High-Shelf, Low-Shelf and Phase
PHASE	1st and 2nd order
EQUALIZER GAIN	-30dB to +15dB in 0.25dB steps
BANDWIDTH	0.02 to 3.61 Oct. (Q=0.311 to 72)
GRAPHIC EQUALIZER	1 per Input, 31 band 1/3 oct ISO spaced, -30dB/+15dB
AVAILABLE CROSSOVER	2 individual filters per Input / Output
CROSSOVER (Type)	Butterworth, Linkwitz-Riley, Bessel
CROSSOVER (Slopes)	6dB to 48dB per octave
COMPRESSORS	1 Compressor per input channel
LIMITERS	1 Limiter per output channel
LIMITER (Threshold)	-20dBu to +20dBu
LIMITER (Attack)	0.3ms to 100ms
RELEASE	2x to 32x the attack time
COMPRESSOR (Parameters)	Ratio: 1:1 to 1:40   Atk: 3 to 100ms Rel: 2x to 32x
N° OF PROGRAMS	30
DELAY UNITS	ms, ft, m
SECURITY LOCKS	Password
DISPLAY	2x16 characters backlit LCD
BUTTONS	6 mute/channel controls, 6 system menu controls
DIAL ENCODER	1 speed sensitive rotary encoder
PC CONTROL	USB, RS-232, Ethernet
POWER	90 - 265VAC (50Hz - 60Hz) – 20VA
DIMENSIONS (WxHxD)	483mm x 44mm x 229mm (19.02 x 1.73 x 9.02in)
WEIGHT	4.6kg (8.82lb)

## DP240

## 2 IN 4 OUT Loudspeaker Management System

- | 2 Inputs and 4 Outputs with routing
- | Dual 24 bits, 48 kHz sampling rate
- | Crossover slopes of 6, 12, 18, 24, 36 48dB/Oct
- | Adjustable threshold, attack and release times
- | Phase invert switch per output



## DP240

INPUT/OUTPUT TYPE	Balanced 10k $\Omega$ /50 $\Omega$
MAXIMUM LEVEL	+20dBu
FREQUENCY RESPONSE	$\pm$ 0.5dB (20Hz to 20.000Hz)
DYNAMIC RANGE	95dB (unweighted)
CMMR	>102dB (50Hz to 10.000Hz)
CROSSTALK	$\leq$ 100dB
DISTORTION	0.005% (1.000Hz at +4dBu)
PROCESSOR (DSP)	40Bit floating point
SAMPLING RATE	48kHz
ANALOGUE CONVERTERS	24Bit
PROPAGATION DELAY	1.5ms
GAIN	-40dB to +6dB in 0.1dB steps
POLARITY	+/-
DELAY	Up to 6.979ms (2.397m) per output
VARIABLE EQUALIZERS	7 output or 3 input and 5 output (selectable)
EQUALIZER TYPE	Parametric
PHASE	-
EQUALIZER GAIN	-30dB to +15dB in 0.1dB steps
BANDWIDTH	0.011 to 2.54 octaves (Q=0.5 to 128)
GRAPHIC EQUALIZER	-
AVAILABLE CROSSOVER	2 individual filters per output
CROSSOVER (Type)	Butterworth, Linkwitz-Riley, Bessel and Variable Q
CROSSOVER (Slopes)	6dB to 48dB per octave
COMPRESSORS	-
LIMITERS	1 Limiter per output channel
LIMITER (Threshold)	-10dBu to +15dBu
LIMITER (Attack)	0.3ms to 90ms
RELEASE	2x to 32x the attack time
COMPRESSOR (Parameters)	-
N° OF PROGRAMS	30
DELAY UNITS	ms, m
SECURITY LOCKS	Password
DISPLAY	2x16 characters backlit LCD
BUTTONS	6 mute/channel controls, 6 system menu controls
DIAL ENCODER	3 speed-sensitive rotary encoder
PC CONTROL	USB, RS-232
POWER	90 - 250 VAC (50Hz - 60Hz) – 18VA
DIMENSIONS (WxHxD)	482mm x 44.5mm x 168mm (18.98 x 1.75 x 6.61in)
WEIGHT	3.6kg (6.61lb)

## DP260

## 2 IN 6 OUT Loudspeaker Management System

- | 2 Inputs and 6 Outputs with routing
- | Dual 24bit, 48kHz sampling rate
- | Crossover slopes: 6, 12, 18, 14, 36, 48dB/Oct
- | Adjustable threshold, attack and release times
- | Phase invert switch per output



## DP260

INPUT/OUTPUT TYPE	Balanced 10k $\Omega$ /50 $\Omega$
MAXIMUM LEVEL	+20dBu
FREQUENCY RESPONSE	$\pm$ 0.5dB (20Hz to 20.000Hz)
DYNAMIC RANGE	95dB (unweighted)
CMMR	>102dB (50Hz to 10.000Hz)
CROSSTALK	$\leq$ 100dB
DISTORTION	0.005% (1.000Hz at +4dBu)
PROCESSOR (DSP)	40Bit floating point
SAMPLING RATE	48kHz
ANALOGUE CONVERTERS	24Bit
PROPAGATION DELAY	1.5ms
GAIN	-40dB to +6dB in 0.1dB steps
POLARITY	+/-
DELAY	Up to 6.979ms (2.397m) per output
VARIABLE EQUALIZERS	7 output or 3 input and 5 output (selectable)
EQUALIZER TYPE	Parametric
PHASE	-
EQUALIZER GAIN	-30dB to +15dB in 0.1dB steps
BANDWIDTH	0.011 to 2 octaves (Q=0.5 to 128)
GRAPHIC EQUALIZER	-
AVAILABLE CROSSOVER	2 individual filters per output
CROSSOVER (Type)	Butterworth, Linkwitz-Riley, Bessel and Variable Q
CROSSOVER (Slopes)	6dB to 48dB per octave
COMPRESSORS	-
LIMITERS	1 Limiter per output channel
LIMITER (Threshold)	-10dBu to +15dBu
LIMITER (Attack)	0.3ms to 90ms
RELEASE	2x to 32x the attack time
COMPRESSOR (Parameters)	-
N° OF PROGRAMS	30
DELAY UNITS	ms, m
SECURITY LOCKS	Password
DISPLAY	2x16 characters backlit LCD
BUTTONS	6 mute/channel controls, 6 system menu controls
DIAL ENCODER	3 speed-sensitive rotary encoder
PC CONTROL	USB, RS-232
POWER	90 - 250 VAC (50Hz - 60Hz) – 18VA
DIMENSIONS (WxHxD)	482mm x 44.5mm x 168mm (18.98 x 1.75 x 6.61in)
WEIGHT	3.6kg (6.61lb)



[www.next-proaudio.com](http://www.next-proaudio.com)

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