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°~90°), 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

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 costumers, 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 1º degree resolution on a 360º 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.
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 heavy-duty power coated steel grilles, the fast integral rigging system and the Neutrik NL4 or NL8 connectors.
The LA212X v2 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.
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 cancellations and distortion. The CPD and the associated horn are optimized to create a high compression ratio which rises conversion efficiency to reach an 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 maintains 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 Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SPEAKER TYPE</strong></td>
<td>Horn-Loaded 3-Way Line Array Element</td>
</tr>
<tr>
<td><strong>FREQ. RESPONSE (-6dB)</strong></td>
<td>60Hz - 19000Hz</td>
</tr>
<tr>
<td><strong>SENSITIVITY</strong></td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>106dB (Full-Space)</td>
</tr>
<tr>
<td>MF</td>
<td>112dB (Full-Space)</td>
</tr>
<tr>
<td>HF</td>
<td>114.5dB (Full-Space)</td>
</tr>
<tr>
<td><strong>Calculated Max. SPL</strong></td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>138dB/144dB (Full-Space)</td>
</tr>
<tr>
<td>MF</td>
<td>139dB/145dB (Full-Space)</td>
</tr>
<tr>
<td>HF</td>
<td>138dB/144dB (Full-Space)</td>
</tr>
<tr>
<td><strong>COVERGE (HxV)</strong></td>
<td>90° (Down to 280Hz) x 8°</td>
</tr>
<tr>
<td><strong>DRIVERS</strong></td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>2 x 12&quot; [300mm]/3&quot; (76mm) VC, Neodymium, B&amp;C custom speaker</td>
</tr>
<tr>
<td>MF</td>
<td>1 x 10&quot; (250mm)/2.5&quot; (65mm) VC, B&amp;C custom speaker</td>
</tr>
<tr>
<td>HF</td>
<td>2 x 1.4&quot; (36mm) exit/3&quot; (75mm) VC, B&amp;C custom compression driver</td>
</tr>
<tr>
<td><strong>POWER</strong></td>
<td></td>
</tr>
<tr>
<td>(Program/Peak)</td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>1600W/3200W (10ms)</td>
</tr>
<tr>
<td>MF</td>
<td>500W/1000W (10ms)</td>
</tr>
<tr>
<td>HF</td>
<td>440W/880W (10ms)</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td></td>
</tr>
<tr>
<td>LF</td>
<td>2 x 8Ω</td>
</tr>
<tr>
<td>MF</td>
<td>16Ω</td>
</tr>
<tr>
<td>HF</td>
<td>16Ω</td>
</tr>
<tr>
<td><strong>CROSSOVER</strong></td>
<td></td>
</tr>
<tr>
<td>(frequency/type)</td>
<td></td>
</tr>
<tr>
<td>LF to MF</td>
<td>350Hz Linkwitz-Riley 24dB/oct</td>
</tr>
<tr>
<td>MF to HF</td>
<td>100Hz Linkwitz-Riley 48dB/oct</td>
</tr>
<tr>
<td><strong>RECOMMENDED HPF</strong></td>
<td>75Hz, 24dB/oct Linkwitz-Riley</td>
</tr>
<tr>
<td><strong>CONNECTORS</strong></td>
<td>2 x Neutrik NL8</td>
</tr>
<tr>
<td><strong>CONSTRUCTION</strong></td>
<td>15mm multi-lamine birch plywood</td>
</tr>
<tr>
<td><strong>FINISH</strong></td>
<td>Textured black semi-matte coating</td>
</tr>
<tr>
<td><strong>PROTECTIVE GRILL</strong></td>
<td>Black perforated steel</td>
</tr>
<tr>
<td><strong>FITTINGS</strong></td>
<td>Adjustable (0° to 8°) rigging system</td>
</tr>
<tr>
<td><strong>HANDES</strong></td>
<td>1 on each side, 2 on the back</td>
</tr>
<tr>
<td><strong>DIMENSIONS (WxHxD)</strong></td>
<td>1020 x 380 x 501mm (40.16 x 14.96 x 19.72in)</td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>66kg (145.5lb)</td>
</tr>
</tbody>
</table>
## 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**

### 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**

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### LA122

#### Passive 2-Way Line Array Element

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

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### LA122W

#### Passive 2-Way Wide Line Array Element

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

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
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
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 Series

#### LA SERIES
**LINE ARRAY SYSTEMS**

**LA Series**

- **LA s118A**
  - **Active Hybrid-Horn Arrayable Subwoofer**
  - | 2960Wprg amplification  |
  - | Small, Versatile, Loud  |
  - | Superior bass impact thanks to horn design  |
  - | Fast, simple Integrated Rigging hardware  |
  - | High SPL and low distortion  |

- **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 s418G**
  - **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 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: 2 x 2200W/2960W/5920W

**CONTROLLER**
- PC controlled Networkable DSP
- 24bit/96kHz

**PC CONTROL**
- Via RS485 and supplied software "SOUNDWARE"

**DSP ADJUSTABLE PARAMETERS**
- 6 Factory and 2 User, selectable via software or rear panel switch
- Via RS485 and supplied software "SOUNDWARE"

**SYSTEM PRESETS**
- 6 Factory and 2 User, selectable via software or rear panel switch
- Via RS485 and supplied software "SOUNDWARE"

**CROSSOVER**
- 80Hz to 180Hz / 24dB/oct Linkwitz/Riley (recommended)

**NOMINAL IMPEDANCE**
- 2 x 8Ω (also available 2 x 4Ω)

**SENSITIVITY (1W@1m)**
- 109dB (Half-space)

**RECOMMENDED HPF**
- 28Hz, 18dB/oct Butterworth

**CONNECTIONS**
- 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**
- 89kg (196.21lb)

---

#### 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 (Program/Peak)**
- LF: 4000W/5650W/8000W

**CONTROLLER**
- PC controlled Networkable DSP
- 24bit/96kHz

**PC CONTROL**
- 6 Factory and 2 User, selectable via software or rear panel switch
- Via RS485 and supplied software "SOUNDWARE"

**DSP ADJUSTABLE PARAMETERS**
- 10 PEQ, Delay, HPF, LPF, Level, Polarity, Mute

**SYSTEM PRESETS**
- 6 Factory and 2 User, selectable via software or rear panel switch
- Via RS485 and supplied software "SOUNDWARE"

**CROSSOVER**
- 80Hz to 180Hz / 24dB/oct Linkwitz/Riley (recommended)

**NOMINAL IMPEDANCE**
- 2 x 8Ω (also available 2 x 4Ω)

**SENSITIVITY (1W@1m)**
- 109dB (Half-space)

**RECOMMENDED HPF**
- 28Hz, 18dB/oct Butterworth

**CONNECTIONS**
- 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**
- 89kg (196.21lb)
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).

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.
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Spectral Response</th>
<th>Frequency Response</th>
<th>Sensitivity</th>
<th>Power Handling</th>
<th>Impedance</th>
<th>Crossover</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAm114xA</td>
<td>Active Coaxial Stage Monitor</td>
<td>58Hz - 19,000Hz</td>
<td>135dB/144dB (Half-space)</td>
<td>104dB (Half-Space)</td>
<td>1100W/1480W/2960W</td>
<td>8Ω</td>
<td>1250Hz/24dB/oct Linkwitz/Riley</td>
<td>564 x 390 x 475mm</td>
<td>25kg</td>
</tr>
<tr>
<td>LAm112x</td>
<td>Bi-Amp/Full-Range Coaxial Stage Monitor</td>
<td>68Hz - 18,000Hz</td>
<td>105dB (Half-Space)</td>
<td>103dB (Half-Space)</td>
<td>1100W [Full-Space]</td>
<td>8Ω</td>
<td>1250Hz/24dB/oct Linkwitz/Riley</td>
<td>518 x 351 x 478mm</td>
<td>16.7kg</td>
</tr>
<tr>
<td>LAm115</td>
<td>Bi-Amp/Full-Range Stage Monitor</td>
<td>58Hz - 18,000Hz</td>
<td>103dB (Half-Space)</td>
<td>103dB (Half-Space)</td>
<td>1100W [Full-Space]</td>
<td>8Ω</td>
<td>1250Hz/24dB/oct Linkwitz/Riley</td>
<td>44Hz, 18dB/oct Butterworth</td>
<td>30.8kg</td>
</tr>
</tbody>
</table>
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.
**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 (W/1m)**: MF: 103dB (Full-Space)
- **OVERVIEW**:
  - 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
- **NOMINAL IMPEDANCE**: MF: 8Ω
- **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-Loaded Bass Speaker**

- LF: 104dB (Half-space)
- 137.8dB/143.8dB (Half-Space)
- LF: 1 x 18" (460mm)/4" (100mm) VC, high excursion, B&C custom speaker
- 2 cabinets configurations for optimal coupling

**PXL118**

- **FREQ. RESPONSE (-6dB)**: 42Hz - 1800Hz
- **SENSITIVITY**: LF: 104dB (Half-space)
- **OVERVIEW**: LF: 1 x 18" (460mm)/4" (100mm) VC, high excursion, B&C custom speaker
- **POWER (Section)**: 2400W/4800W (10ms)
- **NOMINAL IMPEDANCE**: MF: 8Ω
- **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**: 49.9kg (109.13lb)

**PX A8000**

**PX Power Rack**

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

**PX A8000**

- **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**: 8400Wms
- **OUTPUT POWER (Section)**: LF1: 2100Wms/4Ω
  - 2100Wms/4Ω (processor limited to 1600Wms)
  - 2100Wms/4Ω (processor limited to 320Wms)
- **CONTROLLER**: 24 bit/48kHz 4 channel DSP
- **DIGITAL CROSSOVER**: 160Hz/1200Hz, 24dB/oct L-R
- **SYSTEM PRESETS**: 2 Factory Pset, 28 free Pset memories
- **PC CONTROL**: Real time via USB and supplied software
- **DSP ADJUSTABLE PARAMETERS**: Parametric Eq., 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
- **DIMENSIONS (WxHxD)**: 600 x 182 x 641mm (23.62 x 7.17 x 25.24in)
- **WEIGHT**: 29.3kg (64.6lb)
OVERVIEW

The HFA series are fully powered system solutions (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.
# HFA SERIES

**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
- Excellent 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: 118dB/124dB [Full-Space]
- COVERAGE (HxV): 90° x 40° User Rotatable
- DRIVERS:
  - LF: 1 x 6.5" (170mm)/1.5" (38mm) voice coil, custom speakers
  - HF: 1 x 1" (25mm) exit/1.75" (44mm) voice coil, 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:
- CONNECTIONS: 2 x Neutrik NL4
- DIMENSIONS (WxHxD): 219 x 450 x 259mm (8.63 x 17.71 x 10.2in)
- WEIGHT: 12.7kg (28lb)

**Active 2-Way Full-Range Speaker**
- Active 2-Way Vertical Array
- 2 x 6.5" LF speaker and 1" HF compression driver
- Rotatable, Constant Directivity HF horn
- Excellent directivity control
- Great voice clarity

**HFA206**
- SPEAKER TYPE: Active Two-way Speaker
- FREQ. RESPONSE (-6dB): 80Hz - 19,000Hz
- SENSITIVITY (1W/1m): 120dB/127dB [Full-Space]
- Calculated Max. SPL: 95dB [Full-Space]
- COVERAGE (HxV): 90° x 60° user rotatable
- DRIVERS:
  - 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 compression driver
- RATED POWER: 500W
- NOMINAL IMPEDANCE: 4Ω
- AMPLIFIER:
  - TECHNOLOGY: 2 channel switched mode class D with DSP
  - SECTION POWER (RMS/Program/Peak): LF: 400W/540W/1080W, HF: 100W/135W/270W
  - CONTROLLER:
  - SYSTEM PRESETS:
  - PC CONTROL:
- DSP ADJUSTABLE PARAMETERS:
- AC OPERATING VOLTAGE:
- NOMINAL POWER CONSUMPTION:
- CONNECTIONS: 2 x Neutrik NL4
- DIMENSIONS (WxHxD): 244 x 451 x 288mm (9.61 x 17.76 x 11.34in)
- WEIGHT: 11.9kg (26.24lb)

**Passive 2-Way Full-Range Speaker**
- HFA206p

**Active 2-Way Full-Range Speaker**
- HFA206p

**Passive 2-Way Full-Range Speaker**
- HFA108

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

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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 2220Wpg Class-D power amp
- Networkable DSP with control software

**Specifications**

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active High Power 2-Way Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE ([-6dB])</td>
<td>55Hz - 19.000Hz</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>127dB/133dB (Full-Space)</td>
</tr>
<tr>
<td>COVERAGE (HxV)</td>
<td>50°-100° x 50° User Rotatable, Tailored Dispersion Technology</td>
</tr>
</tbody>
</table>
| 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 |
| SECTION POWER (RMS/Program/Peak) | LF: 1100W/1480W/2960W  
HF: 550W/740W/1480W |
| 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 | 28kg (61.73lb) |

**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 2200Wpg Class-D power amp
- Networkable DSP with control software

**Specifications**

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active High Power 2-Way Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE ([-6dB])</td>
<td>47Hz - 18.000Hz</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>127.5dB/133.5dB [Full-Space]</td>
</tr>
<tr>
<td>COVERAGE (HxV)</td>
<td>50° to 100° x 50° User Rotatable, Tailored Dispersion Technology</td>
</tr>
</tbody>
</table>
| 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 |
| SECTION POWER (RMS/Program/Peak) | LF: 1100W/1480W/2960W  
HF: 550W/740W/1480W |
| 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° [80º x 60º] User Rotatable Tailored Disp.
- High efficiency 2200Wpg Class-D power amp
- 2 x 12” LF and LF-MF speakers, 1.4” HF driver
- Networkable DSP with control software

**Specifications**

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active High Power 2.5-Way [Wide] Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE ([-6dB])</td>
<td>45Hz - 19.000Hz</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>130.5dB/136.5dB [Full-Space]</td>
</tr>
<tr>
<td>COVERAGE (HxV)</td>
<td>60° x 40° [80º x 60º] User Rotatable</td>
</tr>
</tbody>
</table>
| 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 |
| SECTION POWER (RMS/Program/Peak) | LF: 550W/740W/1480W  
HF: 550W/740W/1480W  
LF-MF: 550W/740W/1480W |
| 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
- 740Wpg output to power external satellite

HFA115s [HP]
Active Reflex Subwoofer

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

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

HFA SERIES
HIGH DEFINITION SPEAKERS

HFA112s
2-Channel Active Band-Pass Subwoofer

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active Band-Pass Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE</td>
<td>40Hz - X-over</td>
</tr>
<tr>
<td>Calculated Max. SPL</td>
<td>130dB/136dB (Half-space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>1 x 12&quot; (300mm)/3.5&quot; (88mm) VC, Neodymium, long excursion, B&amp;C custom speaker</td>
</tr>
<tr>
<td>AMP Levelop TECHNOLOGY</td>
<td>2 channel switched mode class D with DSP</td>
</tr>
<tr>
<td>SECTION POWER</td>
<td>Subwoofer (internal): 1000W/1480/2960W</td>
</tr>
<tr>
<td></td>
<td>Satellite (external): 550W/740W/1480W (4Ω)</td>
</tr>
<tr>
<td>CONTROLLER</td>
<td>PC controlled Networkable DSP 24bit/48kHz</td>
</tr>
<tr>
<td>SYSTEM PRESETS</td>
<td>6 Factory and 2 User, selectable via software or rear panel switch</td>
</tr>
<tr>
<td>DSP ADJUSTABLE PARAMETERS</td>
<td>Via RS485 and supplied software “SOUNDWARE”</td>
</tr>
<tr>
<td>AC OPERATING VOLTAGE</td>
<td>180V - 245VAC</td>
</tr>
<tr>
<td>NOMINAL POWER CONSUMPTION</td>
<td>770W</td>
</tr>
<tr>
<td>CONNECTORS</td>
<td>Signal: 2 x XLR ; Power: 2 x powerCON</td>
</tr>
<tr>
<td></td>
<td>Output to external satellite: 1 x NL4 (only on HFA115s)</td>
</tr>
<tr>
<td>DIMENSIONS (WxHxD)</td>
<td>349 x 512 x 550mm (13.74 x 20.16 x 21.65in)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>25.2kg (55.56lb)</td>
</tr>
</tbody>
</table>

HFA115s [HP]
Active Reflex Subwoofer

<table>
<thead>
<tr>
<th>Active Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>32Hz - X-over</td>
</tr>
<tr>
<td>130.7dB/136.7dB [132dB/138dB] (Half-space)</td>
</tr>
<tr>
<td>1 x 15&quot; (380mm)/4&quot; (100mm) VC, high excursion</td>
</tr>
<tr>
<td>B&amp;C custom speaker</td>
</tr>
<tr>
<td>2 channel switched mode class D with DSP</td>
</tr>
<tr>
<td>Subwoofer (internal): 1100W/1480/2960W</td>
</tr>
<tr>
<td>Satellite (external): 550W/740W/1480W (4Ω)</td>
</tr>
<tr>
<td>PC controlled Networkable DSP 24bit/48kHz</td>
</tr>
<tr>
<td>6 Factory and 2 User, selectable via software or rear panel switch</td>
</tr>
<tr>
<td>Via RS485 and supplied software “SOUNDWARE”</td>
</tr>
<tr>
<td>6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute</td>
</tr>
<tr>
<td>180V - 245VAC</td>
</tr>
<tr>
<td>770W</td>
</tr>
</tbody>
</table>

HFA118sHP
Active Hybrid-Horn High Power Subwoofer

<table>
<thead>
<tr>
<th>Active Hybrid-Horn Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>38Hz - X-over</td>
</tr>
<tr>
<td>135dB/141dB (Half-space)</td>
</tr>
<tr>
<td>1 x 18&quot; (460mm)/4&quot; (100mm) VC, high excursion</td>
</tr>
<tr>
<td>B&amp;C custom speaker</td>
</tr>
<tr>
<td>Switched mode class D with DSP</td>
</tr>
<tr>
<td>LF: 2200W/2960W/5920W</td>
</tr>
<tr>
<td>Via RS485 and supplied software “SOUNDWARE”</td>
</tr>
<tr>
<td>6 PEQ, Delay, HPF, LPF, Bass Enhancer, Level, Polarity, Mute</td>
</tr>
<tr>
<td>180V - 245VAC</td>
</tr>
<tr>
<td>770W</td>
</tr>
</tbody>
</table>

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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.
X SERIES
PROFESSIONAL VERSATILE SPEAKERS

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

Passive High Performance Full-Range Speaker/Monitor

Freq. Response (-6dB) 72Hz - 20.000Hz
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

Passive High Performance Full-Range Speaker/Monitor

Freq. Response (-6dB) 57Hz - 20.000Hz
Nominal Impedance 8Ω
Dimensions (WxHxD) 422 x 657 x 361mm (16.61 x 25.87 x 14.21in)
Weight 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

Passive High Performance Full-Range Speaker/Monitor

Freq. Response (-6dB) 53Hz - 18.000Hz
Nominal Impedance 8Ω
Dimensions (WxHxD) 460 x 733 x 404mm (18.11 x 28.86 x 15.91in)
Weight 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

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Passive High Performance Full-Range Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE (±3dB)</td>
<td>52Hz - 20,000Hz</td>
</tr>
<tr>
<td>SENSITIVITY (1W/1m)</td>
<td>102dB [Full-Space]</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>130.5dB/139.5dB [Full-Space]</td>
</tr>
<tr>
<td>COVERAGE (HxV)</td>
<td>60° x 40° Constant Directivity</td>
</tr>
</tbody>
</table>
| 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 14.21 in) |
| WEIGHT | 49.2kg (108.39lb) |

**Xh18**

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

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Passive Hybrid Horn Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQ. RESPONSE (±3dB)</td>
<td>38Hz - X-over</td>
</tr>
<tr>
<td>SENSITIVITY (1W/1m)</td>
<td>105dB (Half-space)</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>139dB/145dB (Half-space)</td>
</tr>
<tr>
<td>DRIVER</td>
<td>1 x 18&quot; (460mm)/4&quot; (100mm) VC, long excursion B&amp;C custom speaker</td>
</tr>
<tr>
<td>POWER (Program/Peak)</td>
<td>2400W/4800W (10ms)</td>
</tr>
<tr>
<td>NOMINAL IMPEDANCE</td>
<td>8Ω</td>
</tr>
<tr>
<td>DIMENSIONS (WxHxD)</td>
<td>796 x 610 x 630mm (31.34 x 24.02 x 24.80 in)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>55.8kg (123.02lb)</td>
</tr>
</tbody>
</table>
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!

www.next-proaudio.com
PFA SERIES
MULTI-PURPOSE SPEAKERS

PFA8

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

PFA8p

Active / Passive Full-Range Speaker
8" LF speaker and 1" HF compression driver
User Rotatable, Constant Directivity HF horn

PFA12

Active / Passive 2-Way Speaker/Monitor
12" LF speaker and 1" HF compression driver
60 degrees monitor angle

PFA12p

Active / Passive Full-Range Speaker
12" LF speaker and 1" HF compression driver

PFA15

Active / Passive Speaker/Monitor
15" LF speaker and 1" HF compression driver
60 degrees monitor angle

PFA15p

Active / Passive Full-Range Speaker
15" LF speaker and 1" HF compression driver

PFA SPEAKER TYPE | Active Two-way Speaker | Passive Two-way Speaker
---|---|---
FREQUENCY RESPONSE (-4dB) | 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 | 90° x 60° user rotatable

PFA8 DRIVERS
LF: 1 x 8" (210mm)/2" (50.5mm) Voice Coil, custom speaker
HF: 1 x 1" (25mm)/1.75" (44mm) Voice Coil, custom compression driver

PFA8p DRIVERS
LF: 1 x 8" (210mm)/2" (50.5mm) Voice Coil, custom speaker
HF: 1 x 1" (25mm)/1.75" (44mm) Voice Coil, custom compression driver

PFA12 DRIVERS
LF: 1 x 12" (300mm)/3" (76mm) Voice Coil, custom speaker
HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Coil, custom compression driver

PFA12p DRIVERS
LF: 1 x 12" (300mm)/3" (76mm) Voice Coil, custom speaker
HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Coil, custom compression driver

PFA15 DRIVERS
LF: 1 x 15" (380mm)/3" (76mm) Voice Co, custom speaker
HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Co, custom compression driver

PFA15p DRIVERS
LF: 1 x 15" (380mm)/3" (76mm) Voice Co, custom speaker
HF: 1 x 1" (25mm) exit/1.75" (44mm) Voice Co, custom compression driver

RATED POWER | 300W | 500W
IMPEDANCE | 8Ω | 8Ω
AMPLIFIER TECHNOLOGY | 2 channel switched mode class D with DSP | 2 channel switched mode class D with DSP
SECTION POWER (RMS/Program/Peak) | LF: 400W/540W/1080W | LF: 400W/540W/1080W
HF: 100W/155W/272W | HF: 100W/155W/272W
CONTROLLER | PC controlled Networkable DSP 24bit/48kHz | PC controlled Networkable DSP 24bit/48kHz
SYSTEM PRESETS | 6 Factory and 2 User selectable via software or rear panel switch | 6 Factory and 2 User selectable via software or rear panel switch
PC CONTROL | Via RS485 and supplied software “SOUNDWARE” | Via RS485 and supplied software “SOUNDWARE”
DSP ADJUSTABLE PARAMETERS | 6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Multi | 6 PEQ, delay, HPF, LPF, Polarity, Bass Enhancer, Level, Multi
AC OPERATING VOLTAGE | 90V - 245VAC | 90V - 245VAC
MAX POWER CONSUMPTION | 550W | 550W
CONNECTORS | Signal: 2 x XLR : Power: 2 x powerCON | Signal: 2 x XLR : Power: 2 x powerCON
DIMENSIONS (WxHxD) | 254 x 415 x 301mm (10 x 16.33 x 11.85in) | 356 x 554 x 410mm (14.02 x 21.81 x 16.14in)
WEIGHT | 11.8kg (26lb) | 20.6kg (45.42lb)

PFA8p SPEAKER TYPE | Active Two-way Speaker/Monitor
---|---
FREQUENCY RESPONSE (-4dB) | 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 | 90° x 60° user rotatable

PFA12p SPEAKER TYPE | Active Two-way Speaker/Monitor
---|---
FREQUENCY RESPONSE (-4dB) | 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 | 90° x 60° user rotatable

PFA15p SPEAKER TYPE | Active Two-way Speaker/Monitor
---|---
FREQUENCY RESPONSE (-4dB) | 54Hz - 18,000Hz | 54Hz - 18,000Hz
SENSITIVITY (1W/1m) | - | 99dB (Full-Space)
Calc. Max. SPL (Continuous/Peak) | 127dB/133dB (Full-Space) | 127dB/133dB (Full-Space)
COVERAGE (HxV) | 90° x 60° user rotatable | 90° x 60° user rotatable

WEB: www.next-proaudio.com
# PFA Series

## 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

### Specifications

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (-6dB)</td>
<td>38Hz - X-over</td>
</tr>
<tr>
<td>SENSITIVITY (1W@1m)</td>
<td>-</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>133dB/139dB (Half-space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>LF: 1 x 18&quot; (450mm)/4&quot; (100mm) VC, long excursion, custom speaker</td>
</tr>
<tr>
<td>POWER (Program/Peak)</td>
<td>-</td>
</tr>
<tr>
<td>IMPEDANCE</td>
<td>-</td>
</tr>
<tr>
<td>AMPLIFIER TECHNOLOGY</td>
<td>2 channel switched mode class D with DSP</td>
</tr>
<tr>
<td>SECTION POWER (RMS/Program/Peak)</td>
<td>Subwoofer (internal): 1100W/1480W/2960W Satellite (external): 550W/740/1480W (4Ω)</td>
</tr>
<tr>
<td>CONTROLLER</td>
<td>PC controlled Networkable DSP 24bit/48kHz</td>
</tr>
<tr>
<td>SYSTEM PRESETS</td>
<td>6 Factory and 2 User, selectable via software or rear panel switch</td>
</tr>
</tbody>
</table>

### PC Control

- Via RS485 and supplied software "SOUNDWARE"

### Dimensions

- 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

- 2960Wpg 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

### Specifications

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (-6dB)</td>
<td>36Hz - X-over</td>
</tr>
<tr>
<td>SENSITIVITY (1W@1m)</td>
<td>-</td>
</tr>
<tr>
<td>Calculated Max. SPL (Continuous/Peak)</td>
<td>136dB/142dB (Half-space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>LF: 1 x 18&quot; (450mm)/4&quot; (100mm) VC, long excursion, B&amp;C custom speaker</td>
</tr>
<tr>
<td>POWER (Program/Peak)</td>
<td>-</td>
</tr>
<tr>
<td>IMPEDANCE</td>
<td>-</td>
</tr>
<tr>
<td>AMPLIFIER TECHNOLOGY</td>
<td>Switched mode class D with DSP</td>
</tr>
<tr>
<td>SECTION POWER (RMS/Program/Peak)</td>
<td>Subwoofer: 2200W/2960W/5920W</td>
</tr>
<tr>
<td>CONTROLLER</td>
<td>PC controlled Networkable DSP 24bit/48kHz</td>
</tr>
<tr>
<td>SYSTEM PRESETS</td>
<td>6 Factory and 2 User, selectable via software or rear panel switch</td>
</tr>
</tbody>
</table>

### PC Control

- Via RS485 and supplied software "SOUNDWARE"

### Dimensions

- 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

### Specifications

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Passive Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE (-6dB)</td>
<td>36Hz - X-over</td>
</tr>
<tr>
<td>SENSITIVITY (1W@1m)</td>
<td>-</td>
</tr>
<tr>
<td>IMPEDANCE</td>
<td>-</td>
</tr>
<tr>
<td>AMPLIFIER TECHNOLOGY</td>
<td>Switched mode class D with DSP</td>
</tr>
<tr>
<td>SECTION POWER (RMS/Program/Peak)</td>
<td>Subwoofer: 2400W/4800W (10ms)</td>
</tr>
<tr>
<td>CONTROLLER</td>
<td>PC controlled Networkable DSP 24bit/48kHz</td>
</tr>
<tr>
<td>SYSTEM PRESETS</td>
<td>6 Factory and 2 User, selectable via software or rear panel switch</td>
</tr>
</tbody>
</table>

### PC Control

- Via RS485 and supplied software "SOUNDWARE"

### Dimensions

- 525 x 703 x 735mm (20.67 x 27.68 x 28.94in)

### Weight

- 44.8kg (98.8lb)
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.
**M3**

**Passive Column Array**

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

**M8**

**Passive Column Array**

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

---

**Matrix Series**

**Column Array Series**
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.
### KUBIX SERIES

#### TIME COHERENT SPEAKERS

<table>
<thead>
<tr>
<th>Model</th>
<th>TYPE</th>
<th>Passive Coaxial Reflex Speaker</th>
<th>Active Coaxial Reflex Speaker</th>
<th>Passive Coaxial Reflex Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>K5</strong></td>
<td>Full-Range Coaxial Speaker</td>
<td>5&quot; LF Speaker and 1&quot; HF Compression Driver</td>
<td>8&quot; LF Speaker and 1&quot; HF Compression Driver</td>
<td>12&quot; LF Speaker and 1.4&quot; HF Compression Driver</td>
</tr>
<tr>
<td><strong>K5+</strong></td>
<td>Passive 2-way Loudspeaker</td>
<td>Microphone Stand U-Bracket</td>
<td>Several U-Bracket Applications</td>
<td>Extended Low Frequency Response</td>
</tr>
<tr>
<td><strong>K8A</strong></td>
<td>High-Sensitivity Coaxial Speaker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>K8</strong></td>
<td>Active Full-Range Coaxial Speaker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>K12A</strong></td>
<td>Passive Full-Range Coaxial Speaker</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>K12</strong></td>
<td>Active Full-Range Coaxial Speaker</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Passive Coaxial Reflex Speaker</th>
<th>Active Coaxial Reflex Speaker</th>
<th>Passive Coaxial Reflex Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE</td>
<td>112Hz - 18,000Hz</td>
<td>67Hz - 18,000Hz</td>
<td>53Hz - 18,000Hz</td>
</tr>
<tr>
<td>LOW FREQUENCY EXTENSION</td>
<td>-40Hz (-6dB)</td>
<td>LF: 1 x 1.7&quot; (44mm) Voice Coil, B&amp;C custom speaker</td>
<td>LF: 1 x 1.4&quot; (36mm) exit/1.7&quot; (44mm) Voice Coil, B&amp;C custom compression driver</td>
</tr>
<tr>
<td>RECOMMENDED HIGH-PASS FILTER SENSITIVITY (W/m²)</td>
<td>91dB (Full-Space)</td>
<td>120dB (Full-Space)</td>
<td>96dB (Full-Space)</td>
</tr>
<tr>
<td>Calculated Max SPL (Continuous/Peak)</td>
<td>116dB (Full-Space)</td>
<td>123dB/128dB (Full-Space)</td>
<td>124dB/129dB (Full-Space)</td>
</tr>
<tr>
<td>COVERAGE (HxV)</td>
<td>80° Conical</td>
<td>100° Conical</td>
<td>80° Conical</td>
</tr>
</tbody>
</table>

### 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

### Power Specifications

- **RATED POWER**: 200W
- **IMPEEDANCE**: 8Ω
- **RECOMMENDED AMPLIFIER**: MA900

### Additional Features

- **AMPLIFIER TECHNOLOGY**: 2 channel switched mode class D with DSP
- **SECTION POWER (RMS/Program/Peak)**
- **CONTROLLER**: PC controlled Networkable
- **PC CONTROL**: 6 factory and 2 user, selectable via software or rear panel switch
- **DSP ADJUSTABLE PARAMETERS**: Via RS485 and supplied software "SOUNDWARE"
- **AC OPERATING VOLTAGE**: 90V - 245VAC
- **NOMINAL POWER CONSUMPTION**: 550W
- **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)

---

**www.next-proaudio.com**
KUBIX SERIES
TIME COHERENT SPEAKERS

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10sA</td>
<td>Active</td>
<td>Front-Loaded Subwoofer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bass Reflex Subwoofer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ultra-compact design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Discreet design for fixed installation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended Low Frequency Response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10” Long excursion custom speaker</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active Reflex Subwoofer</th>
<th>Passive Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE</td>
<td>44Hz - X-over</td>
<td>44Hz - 500Hz</td>
</tr>
<tr>
<td>LOW FREQUENCY EXTENSION (-10dB)</td>
<td>37Hz</td>
<td>37Hz</td>
</tr>
<tr>
<td>RECOMMENDED HIGH-PASS FILTER SENSITIVITY (1W/1m)</td>
<td>-</td>
<td>99dB (Half-Space)</td>
</tr>
<tr>
<td>Calculated Max SPL (Continuous/Peak)</td>
<td>125dB/128dB (Half-Space)</td>
<td>126dB/129dB (Half-Space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>LF: 1 x 10” (250mm)/2.5” (65.5mm) VC, Long Excursion custom speaker</td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>15.9kg (35lb)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>K10s</td>
<td>Passive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>K12sA</td>
<td>Active</td>
<td>Front-Loaded Subwoofer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bass Reflex Subwoofer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ultra-compact design</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Discreet design for fixed installation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Extended Low Frequency Response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12” Long excursion custom speaker</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPEAKER TYPE</th>
<th>Active Reflex Subwoofer</th>
<th>Passive Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE</td>
<td>43Hz - X-over</td>
<td>43Hz - 500Hz</td>
</tr>
<tr>
<td>LOW FREQUENCY EXTENSION (-10dB)</td>
<td>-</td>
<td>38Hz</td>
</tr>
<tr>
<td>RECOMMENDED HIGH-PASS FILTER SENSITIVITY (1W/1m)</td>
<td>-</td>
<td>42Hz</td>
</tr>
<tr>
<td>Calculated Max SPL (Continuous/Peak)</td>
<td>-</td>
<td>101dB (Half-Space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>LF: 1 x 12” (300mm)/3.5” (88mm) VC, Neodymium Long Excursion B&amp;C custom speaker</td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>12.9kg (28.44lb)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>K12s</td>
<td>Passive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
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<tr>
<td></td>
<td></td>
<td>Extended Low Frequency Response</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12” Long excursion custom speaker</td>
</tr>
</tbody>
</table>

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<th>SPEAKER TYPE</th>
<th>Active Reflex Subwoofer</th>
<th>Passive Reflex Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RESPONSE</td>
<td>43Hz - X-over</td>
<td>43Hz - 500Hz</td>
</tr>
<tr>
<td>LOW FREQUENCY EXTENSION (-10dB)</td>
<td>-</td>
<td>38Hz</td>
</tr>
<tr>
<td>RECOMMENDED HIGH-PASS FILTER SENSITIVITY (1W/1m)</td>
<td>-</td>
<td>42Hz</td>
</tr>
<tr>
<td>Calculated Max SPL (Continuous/Peak)</td>
<td>-</td>
<td>131.5dB/134.5dB (Half-Space)</td>
</tr>
<tr>
<td>DRIVERS</td>
<td>LF: 1 x 12” (300mm)/3.5” (88mm) VC, Neodymium Long Excursion B&amp;C custom speaker</td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>18.1kg (39.9lb)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>K12s</td>
<td>Passive</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| CONNECTORS | 2 x XLR : Power: 2 x power/CON : Output to external satellite: 1 x Neutrik NL4 |
| DIMENSIONS (WxHxD) | 350 x 436 x 389mm (13.77 x 17.16 x 15.31in) |
| WEIGHT | 22kg (48.5lb) | 18.1kg (39.9lb) |

www.next-proaudio.com
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.

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

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

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 (Hz) 60º x 40º
DRIVERS MF/HF: 1 x 2” (50mm) two-way custom coaxial driver
POWER (Program/Peak) 160W/320W
NORMAL IMPEDANCE 8Ω
RECOMMENDED AMPIFIER 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 Speaker

48Hz - 1000Hz
104dB (HAF-space)
134dB/140dB (HAF-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)

360º 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.

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.
MA900 MA1700 MA2300 MA3200

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

<table>
<thead>
<tr>
<th>POWER (Stereo)</th>
<th>MA900</th>
<th>MA1700</th>
<th>MA2300</th>
<th>MA3200</th>
</tr>
</thead>
<tbody>
<tr>
<td>8Ω</td>
<td>2 x 200W</td>
<td>2 x 400W</td>
<td>2 x 600W</td>
<td>2 x 800W</td>
</tr>
<tr>
<td>4Ω</td>
<td>2 x 325W</td>
<td>2 x 850W</td>
<td>2 x 1150W</td>
<td>2 x 1600W</td>
</tr>
<tr>
<td>2Ω</td>
<td>2 x 475W</td>
<td>1750W</td>
<td>2300W</td>
<td>3200W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>POWER (Bridge)</th>
<th>MA900</th>
<th>MA1700</th>
<th>MA2300</th>
<th>MA3200</th>
</tr>
</thead>
<tbody>
<tr>
<td>8Ω</td>
<td>650W</td>
<td>1250W</td>
<td>1750W</td>
<td>2300W</td>
</tr>
<tr>
<td>4Ω</td>
<td>950W</td>
<td>1700W</td>
<td>2300W</td>
<td>3200W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY RESPONSE (Half-Power)</th>
<th>MA900</th>
<th>MA1700</th>
<th>MA2300</th>
<th>MA3200</th>
</tr>
</thead>
<tbody>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&lt;0.03%</td>
<td>&lt;0.03%</td>
<td>&lt;0.03%</td>
<td>&lt;0.035%</td>
</tr>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&lt;0.01%</td>
<td>&lt;0.01%</td>
<td>&lt;0.01%</td>
<td>&lt;0.02%</td>
</tr>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&gt;102dB</td>
<td>&gt;102dB</td>
<td>&gt;105dB</td>
<td>&gt;105dB</td>
</tr>
<tr>
<td>40V/µs</td>
<td>&gt;400.1</td>
<td>&gt;400.1</td>
<td>&gt;400.1</td>
<td>&gt;400.1</td>
</tr>
</tbody>
</table>

MA3800 MA6000

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

<table>
<thead>
<tr>
<th>POWER (Stereo)</th>
<th>MA3800</th>
<th>MA6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>8Ω</td>
<td>2 x 1000W</td>
<td>2 x 1400W</td>
</tr>
<tr>
<td>4Ω</td>
<td>2 x 1500W</td>
<td>2 x 2100W</td>
</tr>
<tr>
<td>2Ω</td>
<td>2 x 1900W</td>
<td>2 x 3000W</td>
</tr>
<tr>
<td>8Ω</td>
<td>3000W</td>
<td>3850W</td>
</tr>
<tr>
<td>4Ω</td>
<td>3800W</td>
<td>6000W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY RESPONSE (Half-Power)</th>
<th>MA3800</th>
<th>MA6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&lt;0.03%</td>
<td>&lt;0.025%</td>
</tr>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&lt;0.02%</td>
<td>&lt;0.04%</td>
</tr>
<tr>
<td>15Hz - 25.000Hz (+0/-1dB)</td>
<td>&gt;105dB</td>
<td>&gt;105dB</td>
</tr>
<tr>
<td>40V/µs</td>
<td>&gt;400.1</td>
<td>&gt;400.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INPUT IMPEDANCE</th>
<th>Selectable (0.77V / 1.0V / 1.44V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTPUT CIRCUITRY</td>
<td>Class AB, Class AB, Class AB, Class H</td>
</tr>
<tr>
<td>OUTPUT CONNECTORS</td>
<td>4 pole Speakon and binding posts</td>
</tr>
<tr>
<td>PROTECTIONS</td>
<td>Full short circuit, open circuit, thermal, soft start, DC, Sub/Ultrasonic and RF</td>
</tr>
<tr>
<td>LED INDICATORS (Per Channel)</td>
<td>Active, signal, limit, protect</td>
</tr>
<tr>
<td>PANEL CONTROLS</td>
<td>Front: 2 input attenuators</td>
</tr>
<tr>
<td>COOLING</td>
<td>Front to back via 2 variable speed fans</td>
</tr>
<tr>
<td>POWER REQUIREMENTS</td>
<td>230VAC, 50Hz-60Hz (others by request)</td>
</tr>
<tr>
<td>DIMENSIONS (WxHxD)</td>
<td>483mm x 88.8mm x 465mm (19.02 x 3.51 x 1.82)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>17.4kg (38.36lb)</td>
</tr>
</tbody>
</table>

www.next-proaudio.com
### Amplifiers

**MQ10000**

- **Power (Stereo)**
  - 4 x 1250W
  - 4 x 2100W
  - 4 x 2200W
  - 2 x 2350W
  - 2 x 4400W
  - 2 x 7000W

- **Power (Bridge)**
  - 2 x 2500W
  - 2 x 4200W
  - 2 x 4440W
  - 4700W
  - 8800W
  - 14000W

- **Number of Channels**: 4
- **Crosstalk**: -70dB
- **THD@1kHz (1dB below Clipping)**: <0.05%
- **Signal to Noise Ratio (SNR)**: >112dB
- **Input Impedance**: >20kΩ balanced
- **Gain**: 35dB
- **Dimensions (WxHxD)**: 483mm x 44mm x 495mm (19.02 x 1.73 x 19.49in)
- **Weight**: 13.5kg (29.76lb)

**MD14000**

- **Power (Stereo)**
  - 4 x 1250W
  - 4 x 2100W
  - 4 x 2200W
  - 2 x 2350W
  - 2 x 4400W
  - 2 x 7000W

- **Power (Bridge)**
  - 2 x 2500W
  - 2 x 4200W
  - 2 x 4440W
  - 4700W
  - 8800W
  - 14000W

- **Number of Channels**: 2
- **Crosstalk**: -70dB
- **THD@1kHz (1dB below Clipping)**: <0.01%
- **Signal to Noise Ratio (SNR)**: >112dBA
- **Input Impedance**: 20kΩ balanced
- **Gain**: 35dB
- **Dimensions (WxHxD)**: 483mm x 88mm x 343mm (19.02 x 3.46 x 13.5in)
- **Weight**: 12.5kg (27.56lb)

**Powersoft X4**

- **1U Amplifier with DSP**
  - 4 Channel (X4) and 8 Channel (X8) configuration
  - High level DSP
  - Active Damping Control
  - Peak and RMS limiters
  - Switching mode power supply with PFC

- **Peak Total Power**: 20800W
  - 4 x 1600W
  - 4 x 3000W
  - 4 x 5200W
  - 4 x 6000W
  - 4 x 104000W

- **Dimensions (WxHxD)**: 483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
- **Weight**: 15kg (33.07lb)

**Powersoft X8**

- **2U Amplifier with DSP**
  - 4 Channel (X4) and 8 Channel (X8) configuration
  - High level DSP
  - Active Damping Control
  - Peak and RMS limiters
  - Switching mode power supply with PFC

- **Peak Total Power**: 41600W
  - 4 x 1600W
  - 4 x 3000W
  - 4 x 5200W
  - 4 x 104000W

- **Dimensions (WxHxD)**: 483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
- **Weight**: 24kg (52.91lb)

---

**MQ10000**

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

- 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

**MD14000**

- **Number of Channels**: 2
- **Crosstalk**: -70dB
- **THD@1kHz (1dB below Clipping)**: <0.01%
- **Signal to Noise Ratio (SNR)**: >112dBA
- **Input Impedance**: 20kΩ balanced
- **Gain**: 35dB
- **Dimensions (WxHxD)**: 483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
- **Weight**: 12.5kg (27.56lb)

---

**Powersoft X4**

- **1U Amplifier with DSP**
  - 4 Channel (X4) and 8 Channel (X8) configuration
  - High level DSP
  - Active Damping Control
  - Peak and RMS limiters
  - Switching mode power supply with PFC

- **Peak Total Power**: 20800W
  - 4 x 1600W
  - 4 x 3000W
  - 4 x 5200W
  - 4 x 6000W
  - 4 x 104000W

- **Dimensions (WxHxD)**: 483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
- **Weight**: 15kg (33.07lb)

---

**Powersoft X8**

- **2U Amplifier with DSP**
  - 4 Channel (X4) and 8 Channel (X8) configuration
  - High level DSP
  - Active Damping Control
  - Peak and RMS limiters
  - Switching mode power supply with PFC

- **Peak Total Power**: 41600W
  - 4 x 1600W
  - 4 x 3000W
  - 4 x 5200W
  - 4 x 104000W

- **Dimensions (WxHxD)**: 483mm x 88mm x 495mm (19.02 x 3.46 x 19.49in)
- **Weight**: 24kg (52.91lb)
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 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.

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.
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 |
| 31 band graphic equalizer per input |

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, 48 dB/Oct |
| Adjustable threshold, attack and release times |
| Phase invert switch per output |

DP260

2 IN 6 OUT Loudspeaker Management System

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

LMS242

INPUT/OUTPUT TYPE
Balanced 10kΩ/50Ω
MAXIMUM LEVEL +20dBu
FREQUENCY RESPONSE ± 0.1dB (20Hz to 20.000Hz)
DYNAMIC RANGE 95dB (unweighted)
DISTORTION <100dB (50Hz to 10.000Hz)
CROSSOVER DELAY 1.5ms
GAIN -40dB to +15dB in 0.1dB steps
POLARITY +/−
PHASE 1st and 2nd order
EQUALIZER GAIN -30dB to +15dB in 0.25dB steps
BANDWIDTH 0.021 to 3.61 Oct.
GRAPHIC EQUALIZER 8 PEQ per Input, 31 band GEQ per Input
COMPRESSORS 1 Compressor per input channel
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) Ratio: 1:1 to 1:100 | Attack: 3 to 100ms
REL: 2x to 32x
Nº 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 – 250VAC (50Hz – 60Hz) – 20VA
DIMENSIONS (WxHxD) 483mm x 44.5mm x 168mm
WEIGHT 3.6kg (6.61lb)

DP240

INPUT/OUTPUT TYPE Balanced 10kΩ/50Ω
MAXIMUM LEVEL +20dBu
± 0.5dB (20Hz to 20.000Hz)
95dB (unweighted)
>102dB (50Hz to 10.000Hz)
≤100dB
0.005% (1.000Hz at +4dBu)
40Bit floating point
24Bit
1.5ms
-40dB to +6dB in 0.1dB steps
+/−
Up to 6.979ms (2.397m) per output
7 output or 3 input and 5 output (selectable)
PARAMETRIC
-30dB to +15dB in 0.1dB steps
0.011 to 2.54 Octaves (Q=0.5 to 128)
2 individual filters per output
BUTTERWORTH, LINIWITZ-RILEY, BESSEL and Variable Q
6dB to 48dB per octave
1 Limiter per output channel
-10dBu to +15dBu
0.3ms to 90ms
2x to 32x the attack time
30
ms, m
Password
2x16 characters backlit LCD
6 mute/channel controls, 6 system menu controls
3 speed-sensitive rotary encoder
USB, RS-232
90 – 250VAC (50Hz – 60Hz) – 18VA
482mm x 44.5mm x 168mm
3.6kg (6.61lb)

DP260

INPUT/OUTPUT TYPE Balanced 10kΩ/50Ω
MAXIMUM LEVEL +20dBu
± 0.5dB (20Hz to 20.000Hz)
95dB (unweighted)
>102dB (50Hz to 10.000Hz)
≤100dB
0.005% (1.000Hz at +4dBu)
40Bit floating point
48kHz
24Bit
1.5ms
-40dB to +6dB in 0.1dB steps
+/−
Up to 6.979ms (2.397m) per output
7 output or 3 input and 5 output (selectable)
PARAMETRIC
-30dB to +15dB in 0.1dB steps
0.011 to 2 octaves (Q=0.5 to 128)
2 individual filters per output
BUTTERWORTH, LINIWITZ-RILEY, BESSEL and Variable Q
6dB to 48dB per octave
2 Limiter per output channel
-10dBu to +15dBu
0.3ms to 90ms
2x to 32x the attack time
30
ms, m
Password
2x16 characters backlit LCD
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