

# 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.

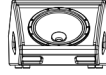
Common to all the elements are: the Baltic birch plywood enclosures finished with a resistant black semi-matt textured paint for an extensive use, the heavy-duty power coated steel grilles and the Neutrik NL connectors (on LAm112x and LAm115).



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### 10 **LAm114xA**

Active Coaxial Stage Monitor



### 10 **LAm112x**

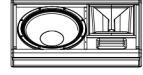
Bi-Amp/Full-Range Coaxial Stage Monitor



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### 10 **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.



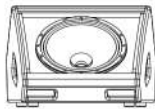
# LAm SERIES

PROFESSIONAL STAGE MONITORS

## 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



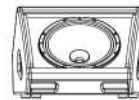
### LAm114xA

|                                       |   |
|---------------------------------------|---|
| 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<br>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<br>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 suplied 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



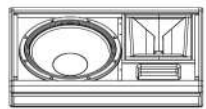
### LAm112x

|  |  |
|--|--|
| SPEAKER TYPE                             | Bass Reflex Coaxial Full-Range Monitor   |
| FREQ. RESPONSE (-6dB)                    | 68Hz - 18.000Hz  |
| SENSITIVITY (1W@1m)                      | FR: 104dB (Half-Space)<br>LF: 105dB (Half-Space)<br>HF: 111dB (Full-Space)   |
| Calculated Maximum SPL (Continuous/Peak) | FR: 132.5dB/138.5dB (Half-Space)<br>LF: 133.5dB/139.5dB (Half-Space)<br>HF: 133dB/139dB (Full-Space)                         |
| COVERAGE (HxV)                           | 80° conical  |
| DRIVERS                                  | LF: 1 x 12" (300mm)/3" (76mm) VC, B&C custom speaker<br>HF: 1 x 1.4" (36mm) exit/3" (75mm) VC, B&C custom compression driver |
| POWER (Program/Peak)                     | FR: 700W/1400W<br>LF: 700W/1400W<br>HF: 160W/320W  |
| NOMINAL IMPEDANCE                        | FR: 8Ω<br>LF: 8Ω<br>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         | 58Hz - 18.000Hz  |
| SENSITIVITY            | FR: 102dB (Half-Space)<br>LF: 103dB (Half-Space)B<br>HF: 110dB (Full-Space)  |
| Calculated Maximum SPL | FR: 135dB/141dB (Half-Space)<br>LF: 136dB/142dB (Half-Space)<br>HF: 133dB/139dB (Full-Space)   |
| COVERAGE               | 60° to 100° x 60° Tailored dispersion technology   |
| DRIVERS                | LF: 1 x 15" (380mm)/4" (100mm) VC, long excursion B&C custom speaker<br>HF: 1 x 1.4" (36mm) exit/3" (75mm) VC, custom compression driver |
| POWER                  | FR: 1000W/2000W<br>LF: 2000W/4000W<br>HF: 230W/460W  |
| NOMINAL IMPEDANCE      | FR: 8Ω<br>LF: 8Ω<br>HF: 8Ω   |
| CROSSOVER              | 1250Hz/asymmetrical (internal) or 1250Hz/24dB/oct Linkwitz/Riley (external)  |
| RECOMMENDED HPF        | 44Hz, 18dB/oct Butterworth   |
| CONNECTORS             | 2 x Neutrik NL4 parallel wired   |
| DIMENSIONS             | 746 x 385 x 532mm (29.37 x 15.16 x 20.94in)  |
| WEIGHT                 | 30.8kg (67.9lb)  |

