

LAm115

Bi-Amp/Full-Range Stage Monitor



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

OVERVIEW

The NEXT LAm115 is a compact, high performance 2-Way stage monitor combining high output and controlled dispersion with a discreet low height cabinet. It features a custom 15" LF ultra-long excursion high power driver and a 75mm (3") diaphragm neodymium HF compression driver on an asymmetric dispersion horn.

The optimized constant directivity asymmetrical dispersion HF horn offers a realistic artist listening, with constant SPL and consistent frequency response, inside an area starting directly above the cabinet and reaching quite far upstage, enabling the performer to move around more freely. The result is a loudspeaker system with remarkable vocal presence, clarity and neutral, balanced sound.

Operated in active mode, these monitors are best used with the NEXT proprietary, DSP based, audio signal processor to provide the most appropriate crossover, limiting and EQ settings.

The LAm115 enclosure is constructed from 12 layers Birch plywood and is fitted with flush handles, recessed Speakon connector plates on The back panel and wrap-around perforated steel grille. Finished in black semi-matt impact resistant textured paint.

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Full-Range/Bi-Amp Tailored Dispersion Stage Monitor
Acoustical Data	
Frequency Response (-6dB):	58Hz - 18.000Hz
Low Frequency Extension (-10dB):	52Hz
Sensitivity (1W@1m) FR:	102dB (Half-Space)
Sensitivity (1W@1m) LF:	103dB (Half-Space)
Sensitivity (1W@1m) HF:	110dB (Full-Space)
Calculated Max. SPL (Cont/Peak) FR:	135dB/141dB (Half-Space)
Calculated Max. SPL (Cont/Peak) LF:	136dB/142dB (Half-Space)
Calculated Max. SPL (Cont/Peak) HF:	133dB/139dB (Full-Space)
Coverage Angle -6dB (HxV):	60° to 100° x 60° Tailored dispersion technology
Drivers	
Low Frequency:	1 x 15" (380mm)/4" (100mm) VC, long excursion B&C custom speaker
High Frequency:	1 x 1.4" (36mm) exit/3" (75mm) VC, custom compression driver
Electrical Data	
Program/Peak Power FR:	1000W/2000W
Program/Peak Power LF:	2000W/4000W
Program/Peak Power HF:	230W/460W
Nominal Impedance FR:	8
Nominal Impedance LF:	8
Nominal Impedance HF:	8
Recommended Amplifier:	MA3200 / MA2300
Crossover frequency/Type:	1250Hz/asymmetrical (internal) or 1250Hz/24dB/oct Linkwitz/Riley (external)
Recommended High-Pass Filter:	44Hz, 18dB/oct Butterworth
Connectors:	2 x Neutrik NL4 parallel wired
Enclosure	
Construction:	15mm multi-laminate birch ply
Monitor Angle:	50°
Finish:	Textured black semi-matte coating
Protective grill:	Black perforated steel
Handles:	1 on each side
Dimensions (WxHxD):	746 x 385 x 532 mm
Net Weight:	30.8 Kg
Shipping Weight:	33.3 Kg