

# LAm112x

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



### TECHNICAL SPECIFICATIONS



- 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

### OVERVIEW

The NEXT LAm112x is a compact switchable passive / biamped, coaxial, low-profile floor monitor designed to bring out the important voices and instruments while being particularly feedback-resistant.

The heart of this monitor is a powerful 12", 3" voice coil, neodymium driver coaxially coupled to a, 3" Polyester/Titanium diaphragm, compression driver loaded to a 80° conical waveguide.

The coaxial approach allows all frequencies to be emanated from the exact same point generating a coherent single spherical wave front with a perfect dispersion control, eliminating crossover region problems and time/phase irregularities, as well as optimizing coherency, for a perfect listening in every position.

Both HF and LF coils utilize the same neodymium magnet assembly, which gives better efficiency and reduced weight.

The LAm112X comes with switch for a easy selection between the passive crossover and the zero resistant bi-amp mode of operation.

It comes with 2 Neutrik NL-4 connectors discreetly mounted on the enclosure bottom.

Cabinets are made in Baltic Birch plywood, finished with an extremely resistant paint for an extensive use on the road.

Its front is protected by a rigid metal grill with acoustically-transparent foam. Two ergonomic side handles, are provided for an easier transport.

#### Technical Data

Speaker Type: Bass Reflex Coaxial Full-Range Monitor

#### Acoustical Data

Frequency Response (-6dB): 68Hz - 18kHz

Low Frequency Extension (-10dB): 59Hz

Sensitivity (1W@1m) FR: 104dB (Half-Space)

Sensitivity (1W@1m) LF: 105dB (Half-Space)

Sensitivity (1W@1m) HF: 111dB (Half-Space)

Calculated Max. SPL (Cont/Peak) FR: 132.5dB/138.5dB (Half-Space)

Calculated Max. SPL (Cont/Peak) LF: 133.5dB/139.5dB (Half-Space)

Calculated Max. SPL (Cont/Peak) HF: 133dB/139dB (Half-Space)

Coverage Angle -6dB (HxV): 80° conical

#### Drivers

Low Frequency: 1 x 12" (300mm)/3" (76mm) VC, B&C custom speaker

High Frequency: 1 x 1.4" (36mm) exit/3" (75mm) VC, B&C custom compression driver

#### Electrical Data

Program/Peak Power FR: 700W/1400W

Program/Peak Power LF: 700W/1400W

Program/Peak Power HF: 160W/320W

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: 52Hz, 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): 518 x 351 x 478 mm

Net Weight: 16.7 kg