



DALI

300

FEATURES:

- **Linear Directivity cross-over network for improved off-axis frequency response**
- **Absorbent material on front baffle for reduced diffraction**
- **1" tweeter with phase-compensation grill, damped cloth diaphragm and anti-compression chamber**
- **Crossover with metal alloy polypropylene capacitors and air-core inductors**
- **Bass reflex for enhanced deep bass output**
- **Enclosure of 22mm particleboard with extensive internal bracing**
- **Linear impedance for easy amplifier load**
- **6 1/2" mid/bass driver with mineral-loaded polypropylene diaphragm, special rubber suspension, 32mm voice coil and powerful magnetic system**
- **Dual, gold-plated terminals for bi-wiring/bi-amping**
- **Mirror-image pairs in real wood veneer**

The design goal of the DALI 300 was to create a quality loudspeaker of relatively modest dimensions capable of accurate, neutral reproduction without sacrificing the indefinable quality of "musicality" in the DALI 300.

Specific areas in which the DALI 300 excels include the neutral tonal balance, the reproduction of ambient information and good dynamics for an effortless expansiveness, whenever the musical signal calls for it.

To achieve these goals the DALI 300 incorporates such essential DALI technology as the Linear Directivity crossover to ensure linear frequency response even at extreme angles off-axis for the optimum speaker-room interface.

Linear impedance makes the DALI 300 an easy load for any amplifier. Research has shown that as impedance varies with frequency, amplifiers with low current capability tend to sound aggressive and edgy. The performance of high-current amplifiers may also be affected adversely by fluctuating impedance. For these reasons, the crossover in the DALI 300 is optimized for an even, frequency-independent impedance curve which allows any amplifier to perform at its best.

Drivers

The two driver units of the DALI 300 are specially developed for this application to integrate seamlessly and perform almost as a single unit.

The 6 1/2" mid-bass unit is built on a substantial non-resonant die-cast magnesium chassis and a powerful magnetic system with a 32mm long-throw voice coil which drives a mineral-filled polypropylene diaphragm with a heavily damped rubber centre cap. The special rubber surround offers exceptional linearity and impulse performance. The musical performance of this driver strikes a perfect balance between fundamentals and overtones.

The high performance 1" tweeter incorporates a specially coated cloth dome to minimize "ringing," a ventilated pole piece and an anti-compression chamber.

The DALI 300 is a cohesive, well-integrated two-way system with open, lively, clear and transparent musical performance.

Crossover network

To extract optimum performance from these fine drivers, the crossover incorporates only the finest components in the signal path, such as polypropylene capacitors and air-core inductors.

Enclosure

The influence of loudspeaker cabinets on musical performance has come under close scrutiny in recent years. As the final transducer of electrical energy to acoustic energy loudspeaker enclosures play a crucial role. Extensive use of modal analysis in the DALI laboratories has documented the need for damping of resonances from enclosure surfaces.

Cabinet type	Bass reflex
Drivers	
Bass/mid	6 1/2" (16.5cm)
Tweeter	1" (2.5cm)
Crossover frequency	2.5kHz
Nominal impedance	8 ohms
System resonance	34Hz
Frequency response $\pm 3dB$	46-20,000Hz
Continuous power handling	90 Watt
Peak power handling	120 Watt
Sensitivity	88dB (2.83V/1m)
Dimensions (HxWxD)	460x230x310

One important factor is the rigidity of the front baffle. For this reason the DALI 300 has the narrowest possible front and employs 22mm particleboard for maximum rigidity. Internal bracing further reinforces the enclosure's immunity to vibration.

The narrow baffle also minimizes diffraction due to the reduced surface area. The inevitable diffraction effects that do arise are effectively absorbed by a layer of felt. The absence of diffraction allows a significant improvement in the stability and focus of the stereo image.

For listeners who prefer to use the DALI 102 with the front grilles in place, the frames are carefully designed to avoid any diffraction.

The gold-plated terminals of the DALI 300 accept banana plugs as well as heavy-gauge bare wire. Two sets of terminals are provided for easy bi-wiring or bi-amping for a further enhancement of musical performance. Gold-plated clamps are provided, should you choose not to avail yourself of the bi-wiring/bi-amping option.

Dealer



DALI

**HIGH FIDELITY LOUDSPEAKERS
MADE IN DENMARK**