



Danish Audiophile Loudspeaker Industries

LIVE

The way the DALI 104 reproduces music can be summed up in one word: "Live"; the sensation of being there when the show is on.

To achieve this the DALI 104 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.

Drivers

The carefully designed crossover in the DALI 104 deserves no less than the best available drivers.

The twin 6 1/2" mid/bass units incorporate lightweight, yet rigid pulp diaphragms with a resonance damping coating. With the foam suspension this construction offers non-resonant reproduction with excellent impulse response.

The two drivers are mounted in a 30 liter bass reflex enclosure for detailed bass and midrange performance with fine transient response.

With a high performance 1" tweeter with a coated cloth dome and ferry-fluid cooling,

the DALI 104 is a cohesive, neutral system from top to bottom with dynamics to live up to the demands of the CD medium. The coated cloth diaphragm of the tweeter dome offers exemplary dispersion across its assigned frequency range with improved damping as well as extended frequency response up to 25kHz. Combined with ferrofluid, these characteristics make possible high resolution, airy and open high frequency reproduction with high power handling capability.

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.

Linear impedance makes the DALI 104 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 crossover in every DALI loudspeaker is optimized for an even, frequency-indepen-

dent impedance curve which allows any amplifier to perform at its best.

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. One important factor is the rigidity of the front baffle. For this reason the DALI 104 has the narrowest possible front and employs 19M particleboard for maximum rigidity. 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. The gold-plated terminals of the DALI 104 accept banana plugs as well as heavy-gauge bare wire.

The DALI 104 is an efficient amplifier-friendly loudspeaker with the ability to reproduce both popular and classical music at high levels.

Specifications:

Cabinet type.....	Bass reflex	Continuous power handling.....	120 Watt
Crossover frequency.....	3kHz	Peak power handling.....	150 Watt
Nominal impedance.....	4 ohms	Sensitivity.....	93dB(2.83V/1m)
System resonance.....	43Hz	Dimensions (HxWxD).....	86x21.6x27cm
Frequency response +/- 3dB.....	43-25,000Hz	Weight.....	14 kgs/31 lbs



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