



DALI



102

FEATURES:

- **Linear Directivity cross-over network for improved off-axis frequency response**
- **Absorbent material on front baffle for reduced diffraction**
- **3/4" tweeter with coated cloth dome and ferro-fluid cooling**
- **Crossover with metal alloy polypropylene capacitors and air-core inductors**
- **Bass reflex for enhanced deep bass output**
- **Enclosure of 19mm particleboard**
- **Linear impedance for easy amplifier load**
- **6 1/2" mid/bass driver with polypropylene diaphragm and damped rubber suspension**
- **Gold-plated terminals**
- **Mirror-image pairs**

Even though the compact DALI 102 is our smallest high fidelity loudspeaker, it 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 102 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-independent impedance curve which allows any amplifier to perform at its best.

Drivers

The carefully designed crossover in the DALI 102 deserves no less than the best available drivers.

The 6 1/2" mid-bass unit has a mineral-doped polypropylene diaphragm and damped rubber edge suspension which combine to yield flat frequency response. The high moving mass of the system and bass reflex tuning allow considerable bass extension, even from the modest 12 liter enclosure.

The motion of the mid/bass driver is well-controlled over its entire frequency range, making it highly compatible with a 3/4" tweeter, which offers exemplary dispersion across its assigned frequency range.

The coated cloth diaphragm of the 3/4" dome offers improved damping in comparison with various polymer materials as well as extended frequency response up to 30kHz. Combined with ferro-fluid, these characteristics make possible high resolution, airy, 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.

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 102 has the narrowest possible front and employs 19mm particleboard for maximum rigidity.

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

Cabinet type	Bass reflex
Drivers	
Bass/mid	6 1/2" (16.5cm)
Tweeter	3/4" (1.9cm)
Crossover frequency	4kHz
Nominal impedance	8 ohms
System resonance	40Hz
Frequency response ±3dB	60-30,000Hz
Continuous power handling	60 Watt
Peak power handling	100 Watt
Sensitivity	88dB (2.83V/1m)
Dimensions (HxWxD)	315x210x255mm

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 102 accept banana plugs as well as heavy-gauge bare wire.

The DALI 102 is a carefully designed loudspeaker with a superior musical performance which places it top of its class.

Dealer



DALI

**HIGH FIDELITY LOUDSPEAKERS
MADE IN DENMARK**