



700

FEATURES:

- Linear Directivity cross-over network for improved off-axis frequency response
- Linear impedance for enhanced amplifier performance
- Absorbent material on front baffle for reduced diffraction
- Bass reflex for enhanced deep bass output
- 8" long throw bass driver with ventilated pole piece, coated pulp diaphragm, special rubber surround and die-cast chassis
- 5" midrange in die-cast basket with ventilated pole piece, coated pulp diaphragm and rubber surround
- 2" ultra-light cone tweeter with exceptional dynamics handling
- 5/8" ribbon super-tweeter with wide dispersion
- Front baffle of 25mm particleboard. Other sides 22mm particleboard with extensive internal bracing
- Dual, gold-plated terminals for bi-wiring/bi-amping
- Mirror-image pairs
- Cabinet available in real wood veneer

The DALI 700 is a floor-standing loudspeaker which offers the serious music lover the opportunity to enjoy new levels of musical realism in the home with sweet and open treble, low coloration levels and unrestrained speed and dynamics.

The DALI 700 achieves these goals through the deployment of original DALI technology such 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 700 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 700 is optimized for an even, frequency-independent impedance curve which allows any amplifier to perform at its best.

Bass and midrange drivers

To achieve the seamless integration of drivers which is so conspicuously absent from the vast majority of multi-way loudspeaker systems, driver diaphragms in the DALI 700 are constructed from materials of similar acoustic character. The ribbon of the super-tweeter, naturally, has no identifiable sonic signature.

The 8" bass driver and the 5" midrange have die-cast magnesium baskets, powerful, linear magnetic systems and ventilated pole pieces to eliminate compression.

Both drivers are based on coated pulp diaphragms with cloth centre caps and a rubber surround with outstanding linear impulse response. Both drivers have ventilated pole pieces to eliminate compression.

The combination of drivers of such consistent design offers the finest possible integration and cohesion across the critical midband.

The 8" woofer has a 40mm long-throw voice coil and, with a crossover point of 700Hz, is only called upon to perform over a small section of its potential frequency range.

Dual tweeter assembly

The ultra-lightweight 2" cone tweeter with a 14mm voice coil in a substantial magnetic assembly takes over above 4kHz. The pulp diaphragm contributes to its seamless cohesion with the other drivers and its large surface area and small moving mass ensure a unique level of resolution and dynamic capability. With four times the surface area of a 1" dome tweeter, this unit offers an additional 12dB of dynamics.

To ensure proper dispersion in the high frequency range, the DALI 700 includes a ribbon tweeter which augments the output of the cone tweeter above 10kHz. The outstanding dispersion and negligible moving mass of the ribbon contribute significantly to the airy, open, detailed treble of the DALI 700.

Cabinet type	Bass reflex
Drivers	
Bass	8"
Midrange	5"
Tweeter	2" cone, ½" ribbon
Crossover frequency	700Hz, 4kHz, cone tweeter active above 10kHz
Nominal impedance	8 ohms
System resonance	32Hz
Frequency response ±3dB	32-30,000Hz
Continuous power handling	120 Watt
Peak power handling	180 Watt
Sensitivity 89dB	(2.83V/1m)
Dimensions (HxWxD)	970x282x340

Crossover network

To extract optimum performance from these fine drivers, the crossover incorporates only the finest components in the signal path, such as metal alloy polypolypropylene capacitors and air-core inductors wound from high purity, heavy-gauge wire.

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 700 has the narrowest possible front of 25mm particleboard for maximum rigidity. Extensive 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 700 with the front grilles in place, the frames are carefully designed to avoid any diffraction which might detract from the precision of the stereo image.

Connections

The gold-plated terminals of the DALI 700 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