

Bass:
Two 6 1/2"

Tweeter:
1"

Enclosure:
22/25mm

Terminals:
Dual gold-plated



DALI 400



DALI 400

Elegance

The DALI 400 is a slim and elegant floor-standing loudspeaker, capable of neutral reproduction of both popular and classical music at realistic levels. Specific areas in which the DALI 400 excels, includes the precise reproduction of dynamics and the rendering of a large realistic soundstage.

To achieve these goals the DALI 400 incorporates such essential DALI technology as our special low-loss surround, and our exclusive Linear Directivity crossover. The low-loss surround enables the units to reproduce the tiny details that are of crucial importance, if the speaker is to visualise a realistic soundstage. The Linear Directivity crossover ensures linear frequency response even at extreme angles off-axis for the optimum speaker/room interface.

Drivers

The three driver units of the DALI 400 are specially developed for this application to integrate and perform almost as a single unit.

The two 6 1/2" mid/bass units are built on a substantial non-resonant die-cast magnesium chassis and a powerful magnetic system with a 32 mm 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 at both high and low levels. The musical performance of this driver strikes a perfect balance between fundamentals and overtones.

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

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 400 an easy load for any amplifier. Research has shown that as impedance varies with frequency, most amplifiers tend to sound aggressive and edgy. For these reasons, the crossover in the DALI 400 is optimized for an even, frequency-independent 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 400 has the narrowest possible front of 25mm particle-board 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 400 with the front grilles in place, the frames are carefully designed to minimise any diffraction.

The gold-plated terminals of the DALI 400 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.

Specifications:

Cabinet type	Bass reflex	Continuous power handling	140 Watt
Crossover frequency	2.5kHz	Peak power handling	180 Watt
Nominal impedance	4 ohms	Sensitivity	93dB (2.83V/1m)
System resonance	39Hz	Dimensions (HxWxD)	97x24x34cm
Frequency response +/- 3dB	35-18,000 Hz	Weight	24 kgs/53 lbs



Danish Audiophile Loudspeaker Industries

Grynderupvejen 12 . DK-9610 Nørager . Tel. +45 98 55 18 56 . Fax +45 98 55 17 08