

Bass:
6 1/2"

Tweeter:
1"

Enclosure:
22/25mm

Terminals:
Dual gold-plated



DALI 310



DALI 310

Visualising music

The original Dali 310 received the following rave review when it was introduced in Denmark: "Voices and instruments are crystal-clear so that the listener looks into the soundstage and can't help turning to look when a new vocalist or musician takes over" This is the forté of the Dali 310; the ability to visualise the various positions of instruments and vocalists with excellent precision. To achieve this the DALI 310 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 the realistic soundstage. The Linear Directivity crossover ensures linear frequency response even at extreme angles off-axis for the optimum speaker/room interface.

Drivers

The two driver units of the DALI 310 are specially developed for this application to integrate 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 centrecap. The

special low-loss rubber surround offers exceptional linearity and impulse performance at both low and high 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 310 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 310 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 310 has the narrowest possible front made of 25mm 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 310 with the front grilles in place, the frames are carefully designed to minimise any diffraction.

The gold-plated terminals of the DALI 310 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	90 Watt
Crossover frequency	2.5kHz	Peak power handling	120 Watt
Nominal impedance	8 ohms	Sensitivity	88dB (2.83V/1m)
System resonance	39Hz	Dimensions (HxWxD)	50x24x34cm
Frequency response +/- 3dB	35-18,000 Hz	Weight	14 kgs/31 lbs



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