

Bass:
8"

Midrange:
5"

Tweeter:
2" + 5/8"

Enclosure:
22/25 mm

Terminals:
Dual gold-plated



DALI 710



DALI 710

Honest

The DALI 710 is an even-handed speaker which reproduces the signal exactly as it is. With equipment of high quality, the Dali 710 offers 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 710 achieves these goals through the deployment of original DALI technology such as our special low-loss rubber surround and our exclusive Linear Directivity crossover. The lowloss 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.

Bass and midrange drivers

To achieve the seamless integration of drivers, the diaphragms in the DALI 710 are constructed from materials of similar acoustic character. The 8" bass driver has a die-cast magnesium basket, a powerful, linear magnetic system and ventilated pole piece to eliminate compression. The 5" mid-range has a phase plug for smoother sound wave propagation. Both drivers are based on coated paper diaphragms with cloth centre caps. Our special low-loss rubber surround offers outstanding linear impulse response at both high and low levels. The combination of drivers of such consistent design offers the finest

possible integration and cohesion across the critical midband.

Dual tweeter assembly

The ultra-lightweight 2" cone tweeter with a 14mm voice coil in a substantial magnetic assembly takes over above 4kHz. The cone's 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 710 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 710. The cone and the ribbon tweeter are matched for optimum precision.

Crossover network

To achieve optimum performance from the drivers, the crossover incorporates only the finest components in the signal path, such as metal alloy polypropylene capacitors and air-core inductors wound from high purity, heavy-gauge wire. Linear impedance makes the DALI 710 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 710 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. 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 710 has the narrowest possible front made of 25mm particleboard for maximum rigidity. Extensive internal bracing further reinforces the enclosure's immunity to vibration.

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 710 with the front grilles in place, the frames are carefully designed to minimise diffraction which detracts the precision of the stereo image.

Connections

The gold-plated terminals of the DALI 710 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	120 Watt
Crossover frequency		Peak power handling	180 Watt
700Hz, 4kHz, cone tweeter active above 10kHz		Sensitivity	89dB (2.83V/1m)
Nominal impedance	8 ohms	Dimensions (HxWxD)	97x28.2x34cm
System resonance	32Hz	Weight	30 kgs / 66 lbs.
Frequency response +/- 3dB	32-30,000 Hz		



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