

101



Danish Audiophile Loudspeaker Industries

OFF THE WALL

The smallest member of the distinguished DALI family of loudspeakers is especially designed to provide spacious sound without taking up precious space. While most speakers require placement well away from side or rear walls in order to achieve smooth, tight bass response, DALI 101 has been specifically tuned to offer excellent full-frequency musical performance when placed close to a rear surface in the form of a wall or bookshelf. This is possible because the linear frequency response of the DALI 101 is achieved by taking into account the bass reinforcement provided by nearby surfaces. Speakers not specifically tailored for placement against the wall will typically display bloated, slow bass and imprecise soundstaging, while DALI 101 in the same position offers natural, smooth, tuneful bass and a well-focused soundstage. The compact size of the DALI 101 allows it to fit in discretely in virtually any modern living environment, while the option of situating the speaker in close proximity to adjacent surfaces also contributes to its supreme flexibility without degrading sound quality.

Bass/midrange

The highly efficient 6 1/2" bass/midrange drive unit is built on a newly designed fibreglass

reinforced polycarbonate chassis with exceptional stability and resonance damping. The optimal resonance damping of the coated pulp diaphragm in conjunction with a low-loss surround ensures outstanding resolution of fine detail, excellent midrange clarity and fast, clean dynamics for a lively, involving musical experience. High sensitivity and outstanding transient response are the immediate benefits derived from the combination of the driver's powerful magnet and low-mass diaphragm. DALI 101 utilizes bass reflex loading with a front-mounted port to achieve excellent bass performance from such a compact enclosure.

Tweeter

The 1" dome tweeter employed in the DALI 101 achieves high sensitivity and fine dynamics thanks to its substantial magnetic system. A special coating process which increases both the rigidity of the dome and its internal damping enhances transparency in the reproduction of overtones. Ferro-fluid in the magnetic gap improves resonance damping, eliminating tonal aberrations, and improves heat dissipation, for a significant increase in power handling capability.

Because the dome tweeter has been designed for ideal lateral dispersion at high frequencies,

the DALI 101 has extended frequency response across a wide listening window.

Crossover

Quantity discounts on close-tolerance SCR polypropylene capacitors make it feasible for DALI to use such costly components even in inexpensive compact loudspeaker such as the DALI 101. Along with air core inductors of high-gauge pure copper wound at our own facility, these components integrate seamlessly with the drivers to form a complete linear impedance, phase coherent system. Linear impedance makes the DALI 101 an easy load for any quality amplifier to drive while phase coherence ensures that crucial time domain relationships are reproduced accurately.

Placement

Since the potential for wall-mounting or bookshelf placement is an integral part of the design of the DALI 101, close attention has been paid to optimizing performance in positions high or low upon the wall.

If the DALI 101 is placed low, i.e., if you can see the top of the loudspeaker from your normal listening position, then the speaker with the tweeter to the left of the bass driver should be employed as the left speaker and the speaker with the tweeter to the right of the bass driver should be employed as the right speaker.

If the mirror-image pair of DALI 101's is placed high upon the wall, then the speakers should be reversed.

This unparalleled degree of flexibility means that the DALI 101 provides correct sound coverage at the listening position regardless of practical constraints on the placement of the speakers.

Specifications:

Cabinet type.....Bass reflex
Crossover frequency.....3,100Hz
Nominal impedance.....6 ohms
System resonance.....57Hz
Frequency response \pm 3dB.....75-18000Hz

Recommended amplifier power.....20-75 Watt
Max. sound pressure level..108dB
Sensitivity (2.83V/1 meter)...92dB
Dimensions (HxWxD).....35x21x19cm
Weight.....5 kgs/11 lbs



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