

150



DALI

Danish Audiophile Loudspeaker Industries

DALI 150 Menuet

GREAT AND SMALL

In spite of low frequency limitations, compact loudspeakers possess certain acoustical advantages. Specifically, a small front baffle with closely arrayed drivers more nearly approximates the ideal point source, with low and high frequencies apparently emanating from the same point, so that all frequencies arrive at the ear simultaneously. This is difficult to achieve with larger loudspeakers which have more drivers of different sizes. Because of the different distances between the drivers and from the drivers to the listener, arrival time varies with frequency, reducing the ability of the speaker to soundstage and focus accurately.

At DALI laboratories we set out to create a compact monitor with all the advantages of a small loudspeaker, without sacrificing the lowest octaves. We call it DALI Menuet.

Extension and clarity

In order to achieve deep bass at satisfying levels, DALI Menuet employs a long-throw bass driver capable of maintaining fine clarity and precision in the midrange. The high internal damping of the polypropylene bass/midrange cone's minimizes resonant tendencies for excellent midrange resolution of fine detail, even at loud levels.

When cone excursion beyond

the physical limitations of the driver is demanded, the bass unit is designed to protect the driver and prevent distortion by restricting excursion. Because cone motion is strictly controlled by the motor assembly, soft clipping or limiting occurs discretely and inaudibly.

Creative engineering in the design of the DALI Menuet has made it possible to achieve extended, powerful bass response from modest enclosures without compromising performance in the crucial midrange region.

Super Tweeter

DALI Menuet is a full-range loudspeaker, incorporating a dome tweeter whose high frequency response extends well beyond the limits of human hearing.

Since the bass/midrange driver selected for DALI Menuet does not require additional reinforcement at the upper end of its frequency range, a smaller dome is used for the highest frequencies, where output levels are typically much lower.

The 3/4" cloth dome offers smooth dispersion with a wide stereo listening window. The dome is coated to control resonances for smooth reproduction of high frequencies. Ferro-fluid in the magnet gap eliminates distortion caused by the driver's natural reso-

nance and improves heat dissipation for increased power handling.

Bass reflex enclosure

The elegant woodgrain veneer bass reflex enclosure has a rear-mounted vent. For situations where the speaker is used close to side or rear walls, a foam plug is included to seal the enclosure.

The vent should be open when DALI Menuet is used on stands away from walls. When the speaker is wall-mounted or shelf-mounted, we recommend sealing the vent with the foam plug, to maintain correct bass balance.

The thickness of the side panels is optimized to reduce resonances in the critical midrange region.

Sophisticated crossover

DALI Menuet employs a high quality hard-wired crossover network with custom aircore inductors wound from heavy-gauge copper and a metalized polypropylene series capacitor. This advanced network optimizes the transition between the drivers and constitutes an amplifier-friendly load with minimal electrical phase angle at the 4.2kHz crossover point.

DALI Menuet - it's great to be small.

Specifications:

Cabinet type.....Bass reflex
Crossover frequency.....4200Hz
Nominal impedance.....4 ohms
System resonance.....66Hz
Frequency
response (± 3 db).....70-25000Hz

Recommended
amplifier power.....25-100 Watts
Maximum Sound
Pressure Level.....102dB
Sensitivity..(2.83V/1 meter) 87.5dB
Dimensions
(HxWxD).....25x14x17 cm
Weight.....3kg/6.6 lbs

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