



TYPE 7
HIGH FIDELITY LOUDSPEAKER

MANUAL

DALI 7

Congratulations on your fine judgement. In its class the DALI 7 is one of the very finest loudspeakers on the market. To get the maximum performance from DALI 7 we recommend, that you read this manual before installing your new speakers.

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POSITIONING

DISTANCE FROM WALLS

DALI 7 is a floor speaker system. The best placement of this type of speaker is at a distance of 20 cm (8 in) from the back wall, and at distance of no less than 50 cm (20 in) from the side walls.

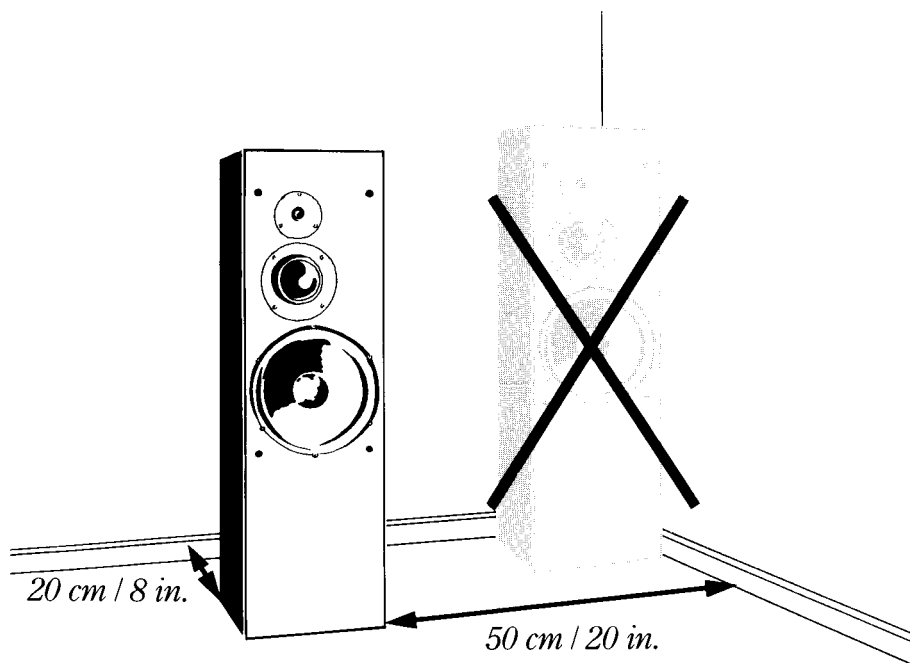
The distance from the back wall is important, as this system is a bassreflex system, where the port is at the back-

side of the speaker, and the port must have "ventilating" room.

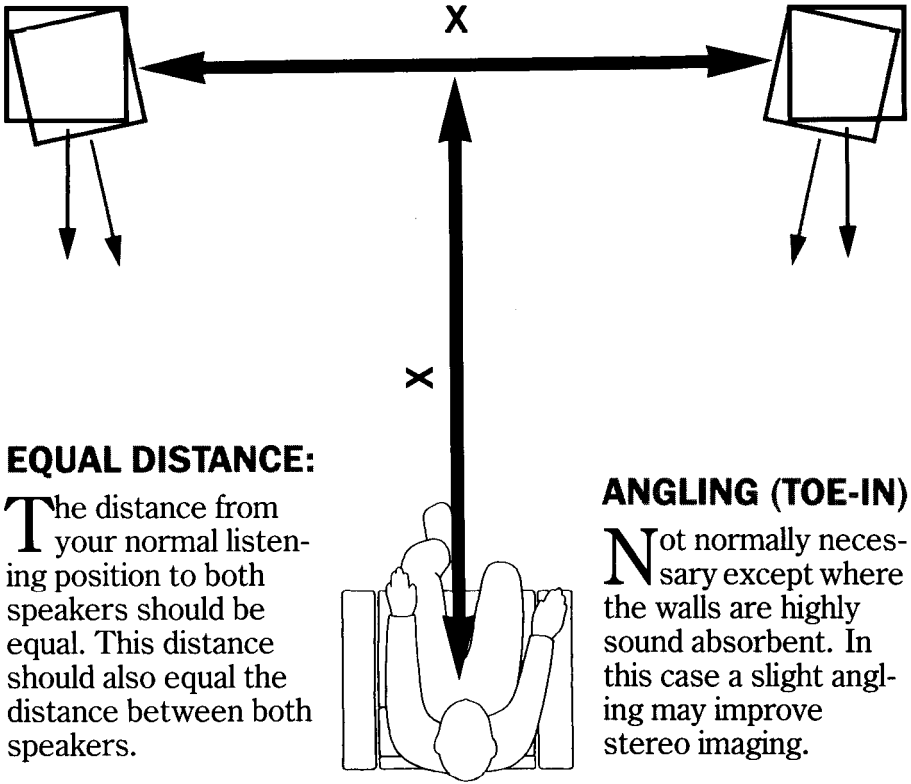
Please note that the two DALI 7 speakers are provided in mirror-imaged pairs. The right speaker has the midrange / tweeter on the left, and the left speaker has the midrange / tweeter on the right.

DALI 7 should be placed vertically.

Corner location should be avoided.



POSITIONING



SIGNAL SOURCES:

We recommend the use of the best speaker cables and, especially, a very good turntable or CD-player.

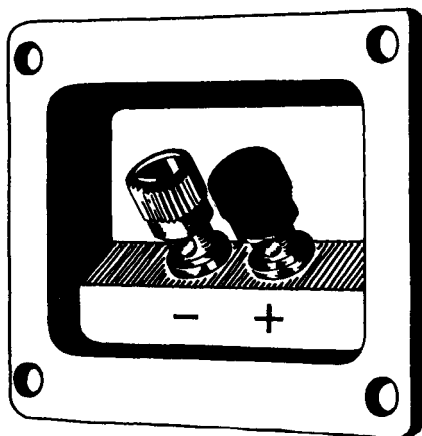
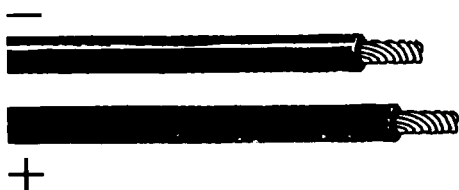
Limited sound reproduction is often caused by misadjustment and/or weak signal equipment.

CONNECTION

The gold plated terminal on DALI 7 makes it possible to use banana plugs or heavy bared wires for amplifier connection.

IMPORTANT!

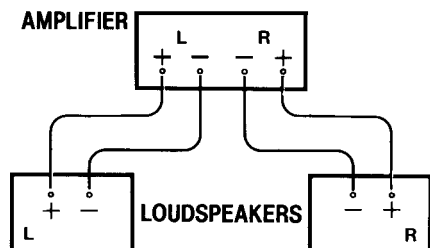
Turn off the amplifier when you are working at loudspeaker connection!



PHASING

To get a true stereo-reproduction it is necessary, that the loudspeakers are phased correctly. Connect always the amplifiers + to the loudspeakers +, and the amplifiers - to the loudspeakers -.

On most speaker cables one of the leads will have an indication making it easy to do this in the right way.



DAILY USE

The main point here is: enjoy the music! The only regular maintenance required is occasional cleaning of the surfaces:

WOOD:

Dust with cloth.

TEXTILE FRONT:

Brush with a clothes-brush or vacuum clean with a brush attachment.

DOCUMENTATION

The DALI 7 is an advanced speaker design derived through extensive research and experimentation related to speaker/room interface. With a goal of optimizing speaker response in terms of direct and reflected sound.

In developing the design and performance parameters of the DALI 7, many tests were performed to determine the nature of a speaker's relationship to a boundary room. This research revealed that the sound reflected from a room is often more critical than the direct sound in determining a speaker's overall performance characteristics. In order to use the reflected sound correctly, DALI engineers determined a critical ratio of direct-to-reflected sound derived through a speaker dispersion characteristic of greater than 70 degrees off-axis. This increased dispersion principle is used together with an asymmetrical slope linear directivity crossover design which keeps the first arrival and reflected sounds in proper perspective. As a result, the DALI 7 system is much less room dependent, is easier to place, and has a larger listening "window" than conventionally designed speakers.

At the core of the DALI 7 is a proprietary 13 component, polyester capacitor crossover network interfaced with three advanced driver designs, allowing the system to achieve "room friendly" response characteristics, and a natural, accurate, three dimensional acoustic image. The DALI 7 uses a 25 cm (10") long excursion, high linearity bass driver to handle all low frequency material. This speaker component is especially well-damped and controlled throughout its operating range and

can achieve long throw with high stability. This results in high acoustic output, extended low end response, and very low distortion.

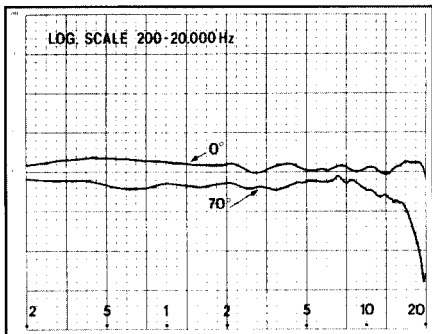
Response from 900 Hz to 3000 Hz is reproduced by a 7.5 cm (3") dome driver with a coated, well-damped diaphragm for smooth, articulate reproduction of all critical midrange material. Performance in the midfrequency range is also monitored through the innovative asymmetrical crossover to assure correct in-phase relationships of direct and reflected sound at the listener's ear.

A specially-developed tweeter – utilizing a unique double magnet assembly – creates clear, open, smooth, reproduction from 3000 Hz to beyond audibility. This unique driver is especially well-integrated with the mid-range driver to allow precise localization and correct acoustic imaging regardless of speaker position in the listening area.

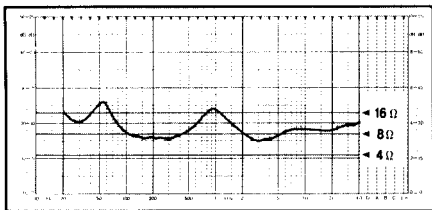
To complement the advanced performance qualities of the DALI 7, DALI engineers have also taken special care to construct all cabinetry out of the highest density, rigidly braced particle board. This ensures a resonant-free enclosure even at the highest listening levels. And, of course, no DALI speaker would be complete without a finish of the highest quality Danish walnut, handrubbed to a rich, natural luster.

The innovative design technology incorporated in the new DALI 7 continues the tradition of excellence from the people at Danish American Ltd. Inc. To hear the DALI 7, no matter in what kind of listening environment, is to finally hear how good the music can sound.

MEASUREMENTS



Frequency response on axis and
70° off axis.



Input impedance

SPECIFICATIONS

Cabinet type QB3 bassreflex

Drivers

Woofer 10", super long stroke

Midrange 3", dome

Tweeter 3/4", polyamide dome

Crossover ... Linear Directivity. 1st quality components

Crossover frequencies 800 Hz, 3 KHz

Impedance 8 ohms

System resonance 36 Hz

Frequency response $\pm 3\text{dB}$ 35-20,000 Hz

Listening window ± 2 dB hor. 140°

ver. +9°, -7°

Sensitivity 89dB/1W/1m

Recommended amplifier

power ratings 20 to 200W/channel

Dimensions

Height 94 cm (37")

Width 28 cm (11")

Depth 30 cm (12")

Net weight 25 kg

Specifications are subject to change without notice in the course of product improvement.