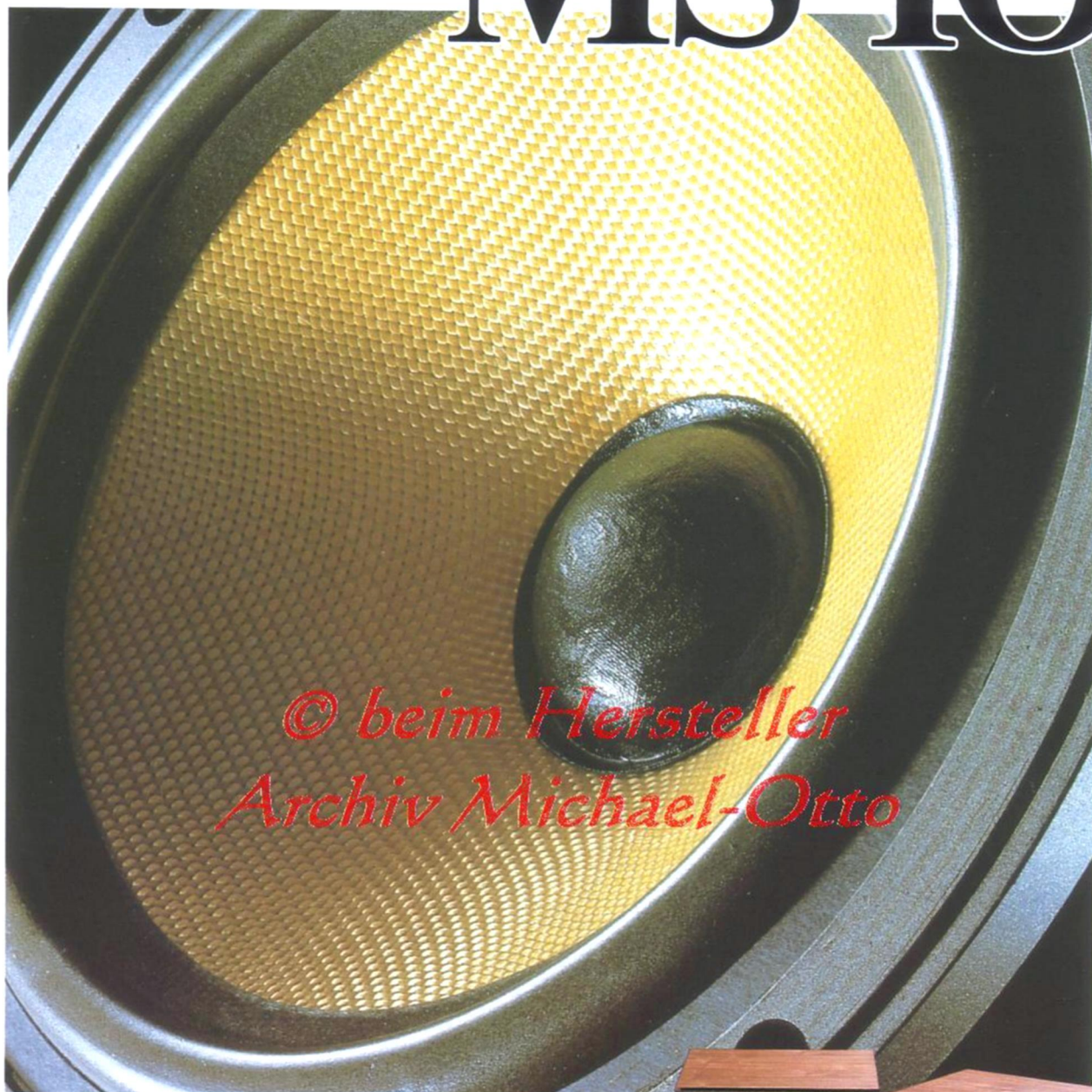




Multi-Vent Controlled 2-Way Speaker System

MS-10



*© beim Hersteller
Archiv Michael-Otto*

2-Way SPEAKER SYSTEM Model MS-10

A High Quality 2-Way Bookshelf Type Speaker System Featuring LUX's Exclusive Bass-Midrange Unit with Aramid Fibre Cone. A Further Step Towards True Fidelity Sound.

MS-10 SPECIFICATIONS

Type:	Bookshelf, Multi-Vent Controlled System	
Driver Units:	Bass-Mid Range	20cm (8") Aramid Cone
	Treble Range	25mm (1") Polyester Film Dome
Frequency Response:	50Hz ~ 20,000Hz	
Maximum Input:	60W	
Rated Input:	25W	
Output Level:	89dB/W/m	
Crossover Point	3,000Hz (-18dB/oct.)	
Impedance:	6 ohms	
Dimensions:	250(W) x 260(D) x 540(H) mm (9-27/32" x 10-1/4" x 21-1/4")	
Weight:	Net	11.5 kgs (25.3 lbs.)
	Gross	26.0 kgs (57.2 lbs.) --- 1 pair

Specifications and appearance design subject to change without notice.

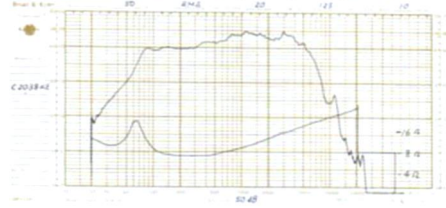


Bass-Midrange Unit

The cone employs a totally new material called 'Aramid Fibre'. This consists of a special mesh made up of multiple plastics, which is chemically coated and heat treated with a resultant reduction in coloration. Being extremely rigid but light the Aramid Fibre cone offers superb transient response and excellent resolution. This unique material is also used for damping enabling the unit to give a well controlled and fast response. Transient response is further improved by coating the edge of the unit with polyurethane, which also helps towards a low resonant frequency.

The solid aluminium die-cast frame is uniquely constructed to a special shape which helps cut down distortion, as does the enclosure's venting designed in conjunction with this driver.

Bass-Midrange Unit Frequency Response



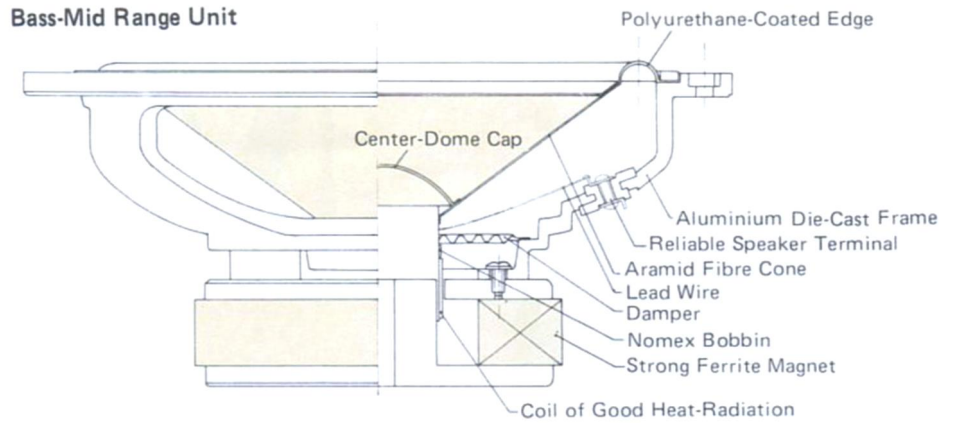
Treble Unit

A 22mm polyester dome speaker is used with inherently good directivity, and particularly smooth response at the cross-over frequency. The full response covers 1kHz to 20kHz and the coloration inherent in mylar or phenol domes is eliminated. The large 11,000 gauss ferrite magnet (70mm outer and 36mm inner diameter, 10mm thickness) with special nomex bobbin has a large power handling capacity.

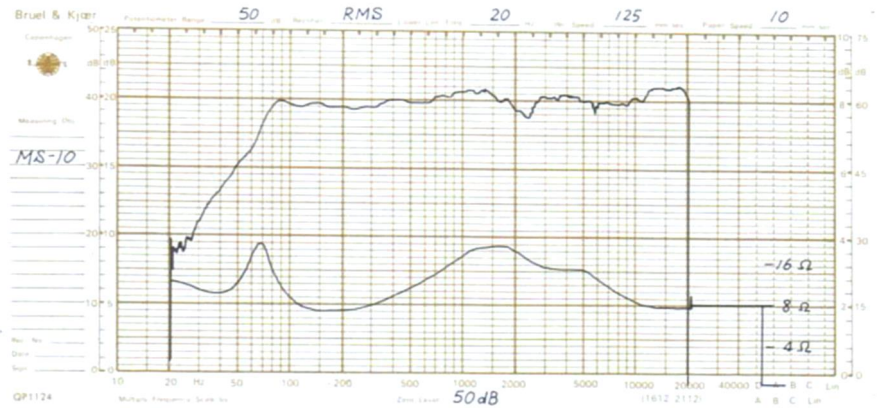
Crossover

The crossover network utilises filters giving -18dB/oct attenuation and is designed to compensate for the impedance fluctuation

Bass-Mid Range Unit



MS-10 FREQUENCY RESPONSE



Enclosure

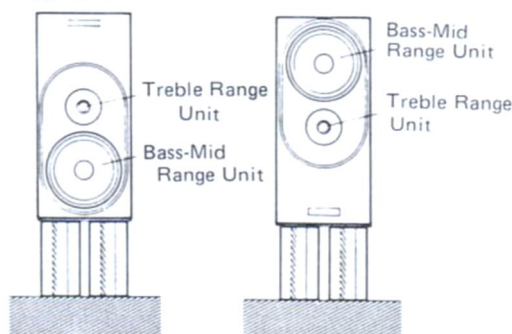
both drive units. further compensation of phase interference between the drivers thus preventing a masking effect in the vicinity of the crossover frequency. All the components, such as the metalized film capacitors and low DC resistance coils, are carefully chosen for optimum performance. A conveniently smaller size has been achieved through specialised damping and venting, and the use of very high density particle board. The external finish is of the very high standard of all Lux equipment, and connection to the speaker is via extremely rigid terminals suitable for large diameter speaker cable.

To Make the Most of the MS-10

- To drive the MS-10 ideally, it is possible to use an amplifier whose output exceeds at least 30W per channel. However, to damage the speaker system is possible when an output exceeding the maximum input of the MS-10 is applied for a long time. Care should be paid to continuous excessive input level.
- Connection of amplifier input/output should be done after turning off the AC power, as otherwise excessive input caused by the thump noises may impair the speaker system.
- Ultra bass range noises caused by record-war, resonant of tonearm, or acoustic feedback etc. will move bass-mid range unit unnecessarily to produce distortion. In such case, use subsonic filter etc. of an audio amplifier to remove them.
- Set the MS-10 so that the sound-axis of the speaker system is on the same level to your ears. Also, the rear and side wall around the system should be have the same condition for both left and right systems. Note that, in case the MS-10 is put on the furniture etc., the furniture will sometimes resonate to affect the reproduced sound.
- When a bookshelf type system is placed on the floor, bass range tends to be emphasized to sound boomy. Therefore,

it is necessary to set it by 20cm ~ 50cm higher by use of speaker stand or the like. Bass range reproduction is affected by the rear or side walls. Adjust the frequency balance by changing distance between speaker systems and walls. The standard use of the MS-10 is to put it with the bass-mid-range being lower and the tweeter the upper. But, there may be a case that up-side-down use provides a better result. Find the best way according to the acoustic condition of your listening room. The LUXMAN emblem attached on the front grille is

Standard use



fixed by use of two screws from the rear side. Change the direction in accordance with the placement of the MS-10.

- The MS-10 is the Multi-Vent Controlled Speaker System. Several holes are provided on the rear baffle to adjust pressure generated inside of the enclosure. It is recommended to keep clearance over 5cm(2") from the wall, as otherwise the effect of the Multi-Vent System is reduced.

Connection to Audio Amplifier

- Be sure to turn off the AC power switch of an amplifier whenever you are to connect the MS-10 to it.

Polarity

Particular attention should be paid to the phasing of the loudspeakers, when connecting to the amplifier. Check that the positive and negative terminals of the speaker are connected to the corresponding terminals on the amplifier to ensure that particularly bass response and stereo image are not impaired.

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