

A complete work of art.

The idea of developing a loudspeaker exclusively tailored to the Manger sound transducer has fascinated us for a long time. A design that would pay tribute to this exceptional sound transducer among loudspeaker chassis and celebrate this broad-band transducer's longstanding reputation for excellence.

The presence of a second driver should not be allowed to distract the view and diminish the promise of unrestricted reproduction across all frequency ranges. The design we had in mind was intended to reflect the innovative qualities of the transducer in the design of the loudspeaker – irresistible in its simplicity and clarity, and convincing in detail.

This was not an easy task as the attempt to actively integrate and express the emotions released by the Manger sound transducer precluded a conventional loudspeaker, and could only result in a design in contrast to current trends.

Following on from the Zerobox, Manger now presents the Swing, the first in a line-up of next-generation loudspeakers unifying all demands.

The Geometry of Listening.

At first glance it doesn't resemble a loudspeaker, but a closer look reveals a circle that would appear to have been cut into segments and then reassembled – a gently curved stele with 2 centimetre wide faces shaping its design. Not a loudspeaker, but rather a slim sculpture of efficiently finished



wood and stone, crowned at its exposed position by a star-shaped sound transducer.

Fine design is however not just to be found in the successful overall form, but also in the many successful detailed solutions in the areas where technology and design overlap. For example, the pedestal is made of heavy, natural slate and not only increases the aesthetic charm of the overall image, but also makes a considerable contribution to the stability of the loudspeaker sculpture. Tough elastic joints between the slate pedestal and the wooden frame ensure a resonance-free connection between the materials.

The Manger Swing renders the issue of resonance moot, as the cabinet is double-walled throughout with a dampening body as core. The outer sound baffle on the front is also in floating design and is therefore decoupled acoustically from the cabinet. But that is not the end of the story: even the cabinet outer shape aids unrestricted propagation of sound. The asymmetrical positioning of the sound transducer supports this effect and ensures that the listener only hears what is actually on the sound recording.

However, the true secret of the Manger Swing appears to be based on the fact that it is met with an enthusiastic reception from both visual design and music enjoyment standpoints. And this is also attributable to the Manger sound transducer, which was used as the basis for the design of the Swing.

Manger Swing data sheet

Driver

Manger sound transducer (MSW, W05, 8 Ohm) – patented broadband sound transducer with bending-flexible sandwich diaphragm, 70 mm double voice coil (0.4 g in weight) and 15 extremely powerful neodymium magnets for impulsive dynamics and concentric sound propagation (point sound source).

Subwoofer

Optional: The Manger subwoofer expands the lower frequency range of the Swing to 25 Hz. For further information see the Manger Subsonice data sheet.

Crossover

High-pass 2nd order filter, Mcap + Mcap Supreme capacitors, MOX resistors

Recommended subwoofer crossover frequency 150 Hz

System data

Impedance: 8 Ohm

Rise time: 13 μ s

Sensitivity: 89 dB 1W/1m

Cabinet

Cabinet made of medium-density wooden fibreboard, damped on the inside with floating polymer resin panels, sound baffle in multilayer sandwich design, joined elastically with the cabinet, pedestal made of split natural slate.

Dimensions and weight

112 x 34 x 12 cm, pedestal: 4 x 34 x 34 cm (H x W x D), 33 kg

Finishes

Cabinet silk-matt black; sound baffle in wood veneer or in aluminium (silver) silk matt; slate pedestal anthracite coloured



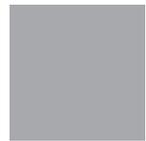
Macassar
ebony



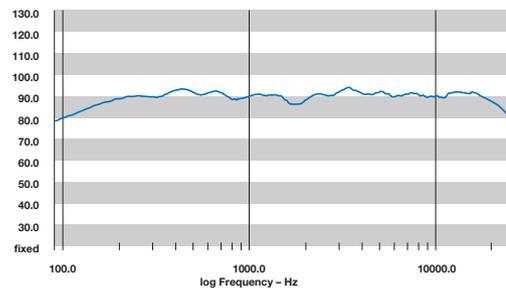
Santos
rosewood



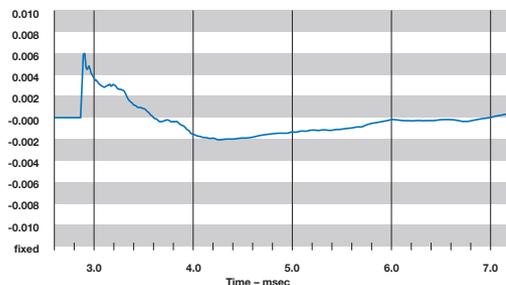
Birdseye maple



Aluminium
(silver)



Frequency Response: The balanced frequency response of the Manger sound transducer is supported by the special cabinet design. Linear from 100 Hz to 25 kHz (-3dB), or 35 kHz (-10 dB) expanded to lower frequencies (e.g. with the Manger subwoofer) to 25 Hz.



Step response: The extremely fast increase of the MSW in combination with the special cabinet design results in a step response that can hardly be more perfect, without any trace of disturbing post-oscillation. Again a successful symbiosis of form and function.