

## MAGAZIN FÜR ANALOGES HiFi & VINYL-KULTUR

### Wie es euch gefällt

■ Baukasten-Plattenspieler von Transrotor

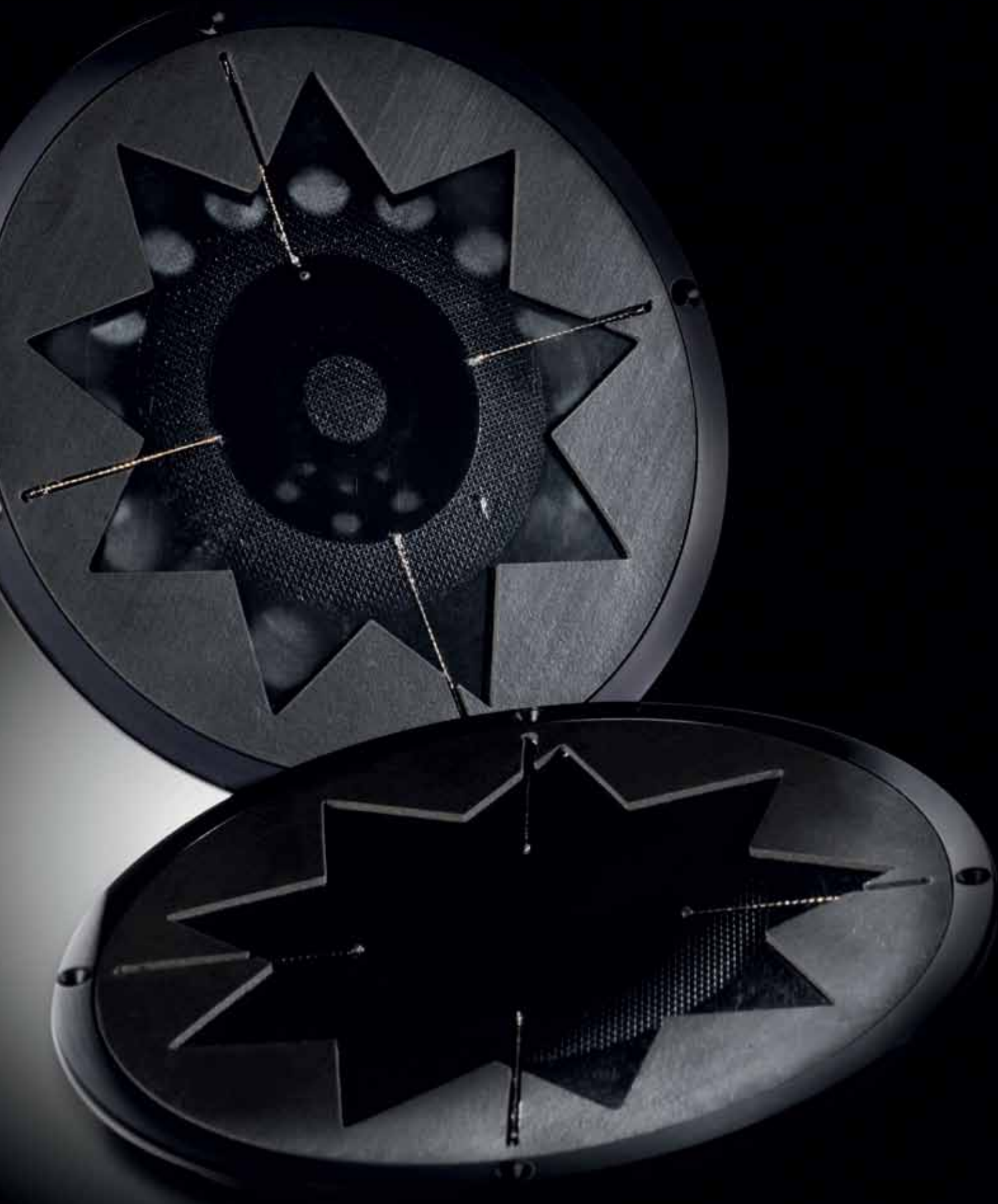
### Das Wintermärchen

■ Super-Monos von Audio Research

### The Storm

■ Manger Active Loudspeaker





# HOME STUDIO

Daniela Manger's studio monitor c1 has deeply impressed us: top of the line plasticity and authenticity and a divine bass range. Now the fully active floorstanding MSMs1 brings this treat to your living room.

If you are seriously into loudspeakers, there is one model you will encounter time and again: the Manger Sound Transducer. It is the one which works differently. The one which turns its back on the conventional loudspeaker chassis, as it refuses to live with its impairments. This sound transducer was invented by Josef W. Manger in the 1960s when he explored the time response of recording and reproduction technologies. After Mr Manger found out that conventional loudspeaker chassis always exhibit an inherent transient time to which the human ear responds very sensitively, he came to the logical conclusion: There must be a better solution than this. Decades of research and development resulted in the current generation of Manger Sound Transducers (a.k.a. MSW). Through the years they have been constantly honed, enhanced and cultivated. By now Josef Manger has handed over operational business to his daughter Daniela who devotes herself to this topic with the same dedication and technical expertise.

The highlight of the MSW is certainly its flexible membrane which is driven via a conventional voice coil and fixed on the outer rim. The system does not move like a piston but runs waves across the surface. Higher frequencies are generated near the center and lower frequencies spread to the rim of the membrane. Residual waves at the center and on the rim are damped. The sound transducer works similar to the human ear and generates energy with virtually no delay as inertia and transient effects are eliminated. This results in an extremely natural reproduction of sonic events.

The bass range is a bit subdued, however. The built-in foil limits the potential excursion. Although the MSW reaches way down into the bass range it does not mind a little help from a complementary woofer. With the high-quality TIW 200 XS from Visaton the Manger Sound Transducer has found the ideal combatant which stays precisely in its frequency range and performs his task perfectly both in the above-mentioned MSMc1 studio monitor and in the s1 home model. This 20 cm loudspeaker is made for the low range and proves to be – thanks to numerous enhancements – a worthy successor to the legendary TIW chassis line from Haan. With its rigid sandwich membrane and its efficient drive it exhibits immense stroke capacity and matches the MSW ingeniously. Daniela Manger assigned it to the frequency range from 330 Hz downward and housed it in a closed cabinet which due to its construction does not excel in ultimate low range but in exemplary bass precision. The former is taken care of by the excellent active electronics afterwards. They drive all components of the MSMc1 and s1 and make additional amplification dispensable. The module insert resides on the back of the elegantly styled floorstanding column which closely nuzzles around the two loudspeaker chassis and features a silk-mat finish and smoothly rounded edges.

*The star which emanates the magic:  
The legendary Manger Sound Transducer is a  
visual eye-catcher and an acoustic sensation.*

## Team Players

### Record Player:

- [Acoustic Solid Machine with SME M2-12 and Clearaudio Goldfinger](#)

### Phono Preamplifier:

- [Mal Valve Preamp Three Phono](#)

### Preamplifier

- [Mal Valve Preamp Four Line](#)

### Accessories:

- [Power Strip: Silent Wire](#)
- [Power Cord: Silent Wire](#)
- [LF Cable: Silent Wire](#)
- [Phono Cable: Furutech](#)
- [Loudspeaker Cable: Oehlbach](#)
- [Racks: Copulare](#)
- [Vinyl Cleaning Machine: Hanni](#)

## Opposing Team

- [Audio Physic Scorpio 25](#)
- [Manger Zerobox 109](#)
- [Teufel Ultima 800 Mk2](#)







Music

**Various Artists**  
Musik wie von einem anderen Stern

**Katie Melua**  
Pictures

**Various Artists**  
Percussion Direct

**Air**  
Pocket Symphony

No other piece of furniture looks and sounds as beautiful. And it's quite heavy, too. Together with the metal socket the s1 weighs impressive 108 lbs – too heavy to carry around all day long. Robust Nextel and noble piano lacquer finishes are available as options.

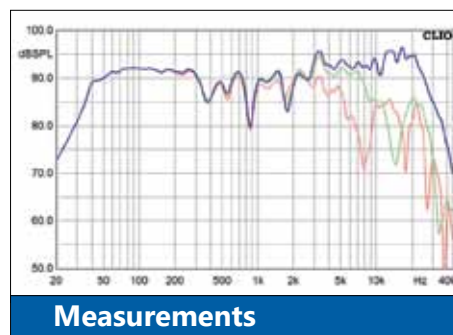
Except for the switching and volume control of the sound sources no further amplification electronics are needed. Balanced outputs should be available, though. And then the choice is yours: The studio technology can be configured in many ways. Treble adjustment, equalization at 3 kHz in silk screen mode, bass correction, high pass filter for AV applications, polarity, input sensitivity – you name it! We recommend to leave everything in center position in the beginning. With this setup the MSMs1 already sounds brilliant and the desire for changes will evaporate into thin air immediately. Right from the start the loudspeaker offers incredibly natural voices and instruments, completely smooth and realistic. A piano sparkles with perfect timing, a guitar vividly scampers through the room, strings gently float around your head and a percussion section cracks and bangs inimitably. Each voice is a gem that glows crystal clear in



*Free choice: Various controls and switches let you adapt the MSMs1 to all kinds of conditions.*



*As far as sound, dynamics and operational safety is concerned the electronics unit of the MSMs1 is beyond all doubt.*

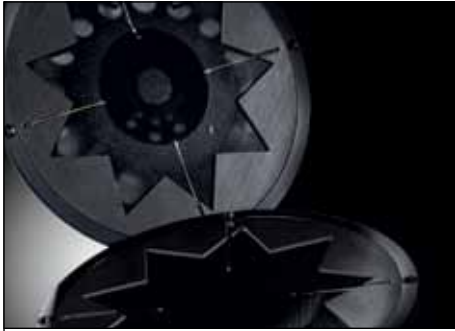


#### Measuring Method

*The performance data of the MSMs1 are mostly identical to the data of the c1 studio monitor. The actively corrected bass range of the s1 goes down beyond 40 Hz, the middle range ripple is inherent to the MSW and so narrowband, that it is inaudible. Toward the treble range the s1 frequency response slightly rises which compensates for the natural directionality of the transducer. The adjustment options of the active electronics let you adapt the sound reproduction extensively to personal taste or room acoustics.*



*The back panel of the MSW is connected to the outer world via numerous openings.*



## Manger MSM s1

- Price starting at 13,200 EUR a pair
- Distributor Manger Products, Mellrichstadt
- Fon +49.9776.9816
- Internet [www.manger-msw.de](http://www.manger-msw.de)
- Weight 106 lbs (48 kg)
- Warranty 3 years
- Chassis 1 x 200 mm woofer  
1 x Manger Sound Transducer
- W x H x D 10.6" x 44.8" x 8.4"  
(270 x 1139 x 214 mm)

### Summary

The Manger MSMs1 is studio technology for the living room. With its elegant style the floorstanding loudspeaker fits every living space and enables you to closely experience highly sophisticated professional equipment in your own four walls. The Manger Sound Transducer is the transient king with a perfectly integrated dynamic and tight bass range. In combination with the flexible and fully active electronics it is a real sensation!



the listening room and does not break-up even at the highest volume levels. In every frequency range the Manger loudspeaker exhibits an incredibly fine resolution without defibrillation. And that's where this exceptional transducer truly shines: outstanding resolution with perfect timing. Especially with instruments the smooth transient effects make the difference. The sound simply unfolds: clean, pure, natural.

This goes for the bass range, too. Sufficiently low, but very dry and tight. And the subtleties are a revelation: In its closed cabinet the woofer clearly depicts the tonal differences of various drums and recordings without limiting its dynamics which are excellent, anyway. The MSMs1 handles high volume levels very well and seems to enjoy them. Abrupt level changes are implemented uncompromisingly. Under extreme conditions the limiter is engaged unnoticeably. And honestly speaking: You will go to the limit. Such an excellent sound transducer wants to be challenged and not to be treated with care. Bathing in a sea of high volume levels makes you happy and addicted, makes you laugh and cry with joy, and attracts rubbernecks within seconds. Believe me, I know what I'm talking about ...

*Christian Gather*



*The woofer resides invisibly behind a fabric cover and generates a perfectly clean low range thanks to its closed cabinet and active electronics.*