

AUDIUM

Range of Products



Our Product

What's the result of rethinking classical approaches of HiFi-Loudspeaker design? Please believe us, we were surprised as well where the voyage took us!

The approaches were radical, the realisation consequent. And the result - please allow us - makes us a bit proud. For sure, it was a long way. Here we show you which ideas have been realised on our way to a natural audible event.

A completely new developed fullrange driver is the heart of the new AUDIUM loudspeakers. The sound is not broken up and distributed to several different drivers for bass, mid and high frequencies like in a classical loudspeaker design.

One single driver reproduces the complete audible range. Everything is radiated from a single source. Homogenous and coherent.

Supported by an integrated down-firing woofer for the lowest frequencies. For sound without limitations. This woofer is also different! It has an oval shape. New ideas replace old-fashioned ones.

But existing technology could not fulfill our requirements. Research, testing and developing - with the ambition of real audio enthusiasts - finally lead us to the goal:

The AUDIUM fullrange concept was born.

But our motivation led us to even more. The only way to realise new ideas like the integrated downfired subwoofer with it's extraordinary technology.

The results approved our efforts. It is a loudspeaker who's sound is worth all invested time and energy. This was also noticed by the HiFi-press, praising us as newcomers overwhelmingly.

AUDIUM technology, packed in a tempting design and quality. Why shouldn't be good things also beautiful?

AUDIUM - Ideen die man hört.

Our Approach

Visionary acoustics have been our approach ever since AUDIUM was founded. To accept the challenge and get past the limits of the seemingly known is our driving force.

Our investments into research and development and particularly our people with their desire to constantly question the status quo have enabled us to find new answers for the production of loudspeakers.

This has led to the construction of loudspeakers which are distinct from others. Determined in their approach, well thought-out and scrupulous in their realisation and design. And perfect handcrafted.

The design we created is expression and reflection of this innovative technology.

Discover AUDIUM



The AUDIUM Loudspeaker Range

From compact bookshelf speakers up to full-grown floor speakers for highest demands, as well as surround loudspeakers - we satisfy all needs.



Center / Effekt

Surround speaker for highest demands. With it's 7.5cm fullrange driver in the slim cabinet it is intended as center speaker and for the effect channels

Subwoofer

Our active AUDIUM Sub. The 27cm woofer with power-move, integrated 250W amplifier with DSP and room adaption builds the bass-basement

Comp 3

Compact listening on highest level. Closed cabinet results in simple placement. As add-on the fitting stand in AUDIUM design

Comp 5

The discreet entry in big sound. It carries all AUDIUM ideas: oval woofer with power-move and fullrange. Everything included that makes up an AUDIUM loudspeaker

Comp 7

Even more audible details because of finest components in the crossover, ultralight aluminium voicecoils in the woofer and built-in resonator

Surfaces

Manufacturing on highest niveau in high-gloss white, black or with genuine wood-veneer in bright zebrano, wild cherry or dark mocca

Comp 8

Sovereign over all and rich in details thanks to our double-cone fullrange driver and the 22cm low-mass woofer with fibre reinforced membrane

Comp 9

Our statement leaving no wishes unsatisfied. Fairly more complex circuits and the 27cm low-mass woofer make it even more outstanding

The Fullrange Driver

The heart of each AUDIUM loudspeaker.

With a single audio source we reach the ideal form known from theory: the point source. The sound doesn't need to be split up and reassembled by separate drivers.

No simple task - a driver being capable of reproducing frequencies from 150 Hz - 20 kHz. Much effort was spent to develop such an optimised driver!



Because "failures" at the source cannot be fixed by elaborate corrective measures.

Our answer:

A compact 7.5cm fullrange driver with reinforced cellulose membrane, ingenious membrane geometrics, alu-phaseplug, reduced moving mass and a highly effective magnetic system, all together assembled on an ultra solid die-cast basket.

For the bigger models we even go a step further. The bigger membrane in combination with a dual-cone construction results in higher dynamics without reducing the high frequency capability of the driver. Fairly complex, but after more than 1 year it became reality!

Power Move

To properly support the fullrange driver, exceptional efforts were necessary. The extremely low moving mass of the driver responds very quickly to impulses. To find appropriate bass support, we had to enter completely new fields.

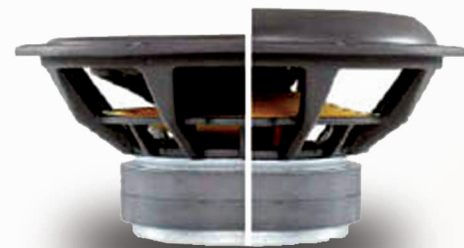
Physics knows no pardon:

Membrane size times movement defines bass capabilities. So an appropriately large membrane combined with a long-throw motion system has been set up.

This resulted in the oval shape of the woofer for our small systems. Maximised membrane area at compact dimensions in a lightweight construction.

The woofers in our bigger models are equipped with a long-throw voice-coil made of aluminium wire instead of copper wire.

An extremely light membrane, reinforced with wood fibres, sophisticated winding techniques and many attempts later it was done: Long throw, big membrane area and a lightweight spring system.



Integrated Subwoofer

Even though we think our custom designed oval woofer is too beautiful to be hidden, we go with acoustics!

With a downfired configuration, the woofer always "feels" the same radiative resistance, independent of the speaker position. The result: The loudspeaker is insensitive in regards of the placement within the listening room.

But we go even further:

To increase the effectivity of this construction we developed special woofer systems. High efficiency leads to high liberty: No matter whether a tube amplifier, a small transistor amp or a big flagship amplifier is used - each amplifier can deliver its full potential to AUDIUM loudspeakers.



Drive- and Active Versions

The AUDIUM Comp 7 *Drive* with its integrated active subwoofer causes relieve to your existing amplifier. The woofer is driven by an integrated amplifier module, the fullrange is driven by your existing amplifier. The ideal combination with low power amps like tube amplifiers or for the elimination of audible bass problems caused by the listening room.

The AUDIUM Comp 5 *Active* is equipped with a complete 2-channel amplifier including room adaptation. No matter whether you connect it to a Preamp or a Source with volume control - this speaker delights because of its flexibility.

Quality Concept

At our products complexity a high degree of accuracy during mass-production is absolutely essential. Low tolerances during production and pairwise matching of the AUDIUM fullrange drivers result in minimal differences.

For sure, similar efforts are made at cabinet-production: Each cabinet is tested for air-tightness and the veneers are matched in pairs.

Environmental Concept

We want that you can listen to music while preserving quiet conscience.

"Made in Germany" not only proves crafting quality. It also proves german environmental standards and human working conditions.

For our environment and our lifes!

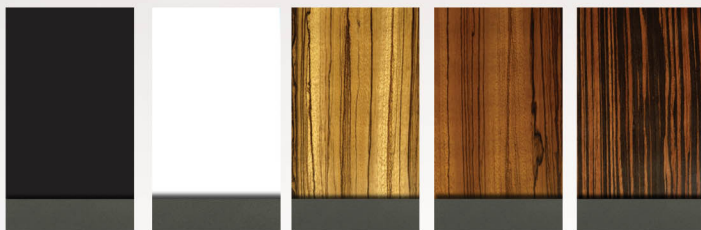


Comp 7 Drive

Technical Data, Finishes and Veneers

	Comp 3	Comp 5 Comp 5 Active	Comp 7 Comp 7 Drive	Comp 8	Comp 9	Sub	Center
Fullrange Driver	•	•	•	•	•		•
Integrated Subwoofer	•	•	•	•	•	•	•
Oval Woofer	•	•	•		•		
Downfired Woofer	•	•	•	•	•	•	
Bi-Wiring Terminal	•	•	•	•	•		
Genuine Veneer	•	•	•	•	•	•	•
Bassreflex		•	•	•	•	•	•
Internal Resonator			•		•		
Passive Version	•	•	•	•	•		•
Semi-Active Version			•				
Fully-Active Version		•				•	
DSP		•	•			•	
Inputs		RCA	Speakers			RCA/Speakers	
Stand-By		Autom.	Autom.			Autom.	
Power		30+120W	150W			250W	
Fullrange Ø	7.5cm	7.5cm	7.5cm	10cm Dual	10cm Dual		7.5cm
Woofer Ø	13x22cm	13x22cm	13x22cm	22cm	27cm	27cm	10cm (2x)
Sensitivity	89dB	90dB	90dB	93dB	93dB		90dB
Impedance	4 Ohm	4 Ohm	4 Ohm	4 Ohm	4 Ohm		4 Ohm
Max. Power	200W	200W	250W	250W	300W		120W
Weight	8.5kg	15kg	18kg	25kg	30kg	25kg	10kg
Dimensions	21.5x35x29cm	21.5x92x29cm	21.5x92x29cm	25x102x34cm	27x106x36cm	31x40x45cm	58x18x13cm

Finishes and Veneers



Black
High Gloss

White
High Gloss

Zebrano

Wild Cherry

Mokka

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