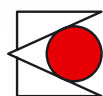
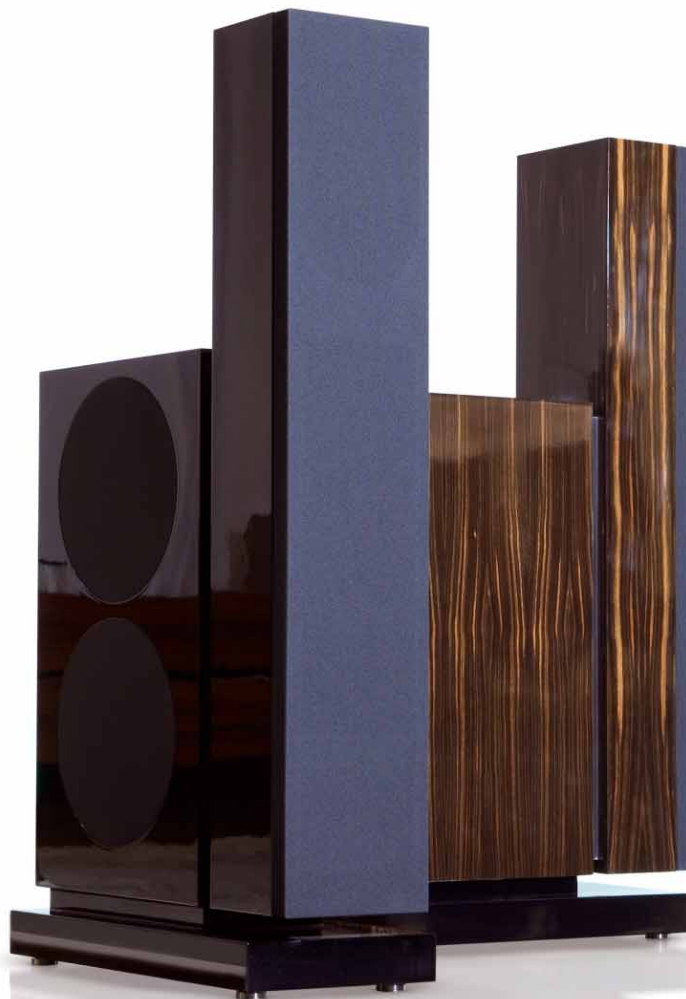


# modul Is high-grade speaker system



**finite elemente**  
first class audio products

# modul ls high-grade speaker system



## Concept

### Modular cabinet design

- woofers cabinet
- midrange/tweeter cabinet
- plinth

### Optimised resonance behaviour

- mechanically separated cabinet modules
- ceramic ball coupling technology (patented)
- high-quality material selection

### Semi-active modular speaker concept

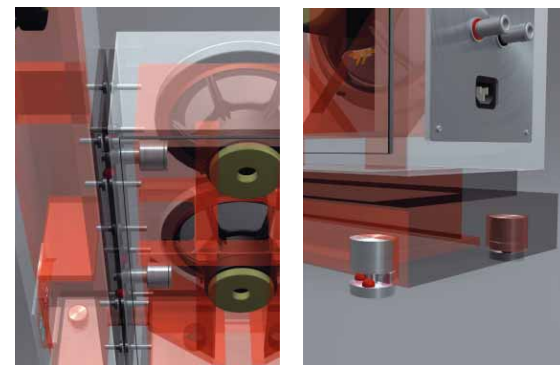
- control electronics (active equalization with Pole-Shift filter)
- 500 W ICEpower Class D amplifier per woofer (1000 W per channel)
- midrange/tweeter crossover (passive)

## Features

- Mechanically separated cabinets** to prevent reciprocal influence
- Coupling of the separated cabinets using a patented ceramic ball system** for defined resonance transfer
- Minimised sound panel** by positioning the woofer driver units at the side to minimize edge reflections
- Low frequency reproduction using 4 ScanSpeak driver units** with large cone surface for very deep and extremely low distortion bass reproduction. High maximum sound pressure (110 dB at 50 Hz). Asymmetrical arrangement in left and right speaker to prevent sound radiation to centrally positioned objects and negative resonance transfer to music sources
- Active equalization with Pole-Shift filter technology** allows the use of extremely small woofer cabinets. Characteristic feature of the pole-shift filter according to Siegfried Linkwitz is the generation of a linear frequency response by increasing the amplitude values as the frequency reduces
- Woofer cabinet made of heavy 30 mm Multiplex panels** with frame-type struts and a rearside chamber for the control and amplifier electronics
- Midrange/tweeter cabinet made of lightweight composite board** with punctiform reinforcing struts
- Plinth with Cerabase interface feet** and 8-fold screw connection for effective resonance transfer into the floor
- Modular design of amplifier and control electronics** on aluminium rear panel for optimum cooling and simple servicing. Amplifiers in Class D design with extremely small dimensions and low waste heat at very high efficiency. Integrated selectable mains supply (100-240 Volt)
- Crossover with selected and highest quality components** as independent module, installed in the midrange/tweeter cabinet for simple servicing
- Adjusting to room acoustics by means of remote controllable electronics** using a cable remote control with display to easily adjust both loudspeakers to the listening room or to listening preferences
- Adjustments:**  
Volume level (-6 dB to +6 dB)  
Room size, room hardness, phase (0°/180°)  
Subsonic filter 35 Hz/-24 dB (switchable)  
for the use in big rooms and/or at higher volume levels



patented!



Ceramic ball coupling technology (patented)



### STEREO – 8/2008

Detractors might claim that the Modul LS is nothing more than the loudspeaker to match the furniture range. In fact it is a high-end product in all respects with an unusually elaborate cabinet design and a reproduction that is time-stable to the point of excess, gruff and neutral. Perfect in every respect.

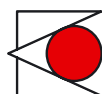
Excellent!



### Specifications:

Height:	1100 mm / 43.3"
Width:	200 mm / 7.8" (with plinth 265 mm / 10.4")
Depth:	565 mm / 22.2" (with front grille 595 mm / 23.4")
Weight:	58 kg / 128 lb per speaker
Recommended amplifier power:	20 – 250 W
Active woofer unit power:	1000 W (ICEpower Class D)
Power consumption:	3 – 1000 W
Impedance:	4 $\Omega$
Frequency range:	15 Hz – 22 kHz
Sensitivity:	90 dB (2,83 V/1m)
Max. sound pressure:	110 dB / 50 Hz
Special features:	active equalization, room adjustable
Driver units:	
Woofer:	ScanSpeak (2x 260 mm / 10,2" metal cone)
Midrange:	ScanSpeak (1x 180 mm / 7", paper cone)
Tweeter:	ScanSpeak (1x 25 mm / 1", metal dome)
Cabinet finishes:	Matt or high-gloss lacquered, Wood veneer matt or high-gloss lacquered

[www.finite-elemente.de](http://www.finite-elemente.de)



**finite elemente**  
first class audio products