

Performance

clearaudio sets another benchmark with the introduction of the amazing Performance turntable as a complete matched package: Only **clearaudio** offers you the complete - Performance - at a sensational price!

With the Performance **clearaudio** enters a new market area of the very highest quality and easy to use product.

The package is specially created for music lovers who are searching for an unbeatable listening experience, while avoiding compatibility problems or the need for specialist technical help.

High quality precision turntables need expertise in matching their component parts, but **clearaudio** does this at the design stage, ensuring that this combination always leads to highly addictive listening sessions.

The Performance package consists of:
 Performance - Turntable
 + Satisfy Carbon - Tonearm
 + Maestro - MM cartridge
 + CMB - Magnetic bearing
 = the complete Performance



Performance Black



Performance Pearl

Emotion

Like its earlier models, the award-winning Emotion and the Bluemotion, the Emotion Black and Red take their position as leaders in this price class with their unbeatable quality. The resonance-minimized shape combined with the stand-alone motor unit guarantees the total isolation of resonances from

the turntable chassis providing the best music reproduction in a life-like soundstage. A high precision, maintenance free sintered bronze bearing completes the analogue pleasure.

The new magnetic bearing (CMB) is now also available for the Emotion-series.



Emotion Black

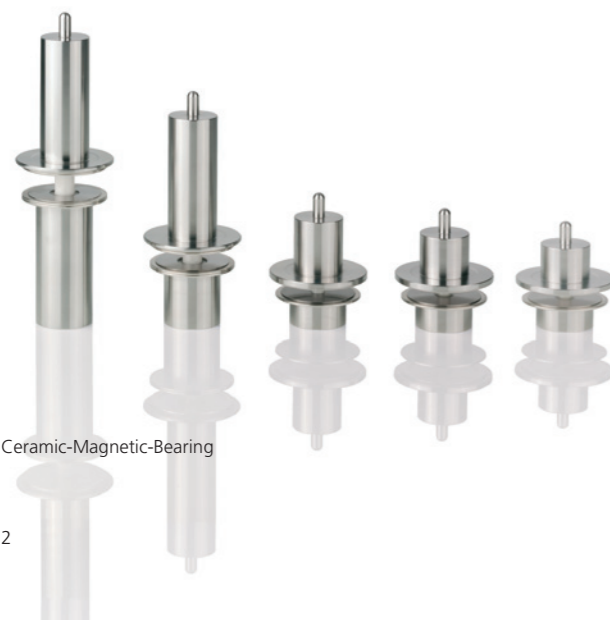


Emotion Red

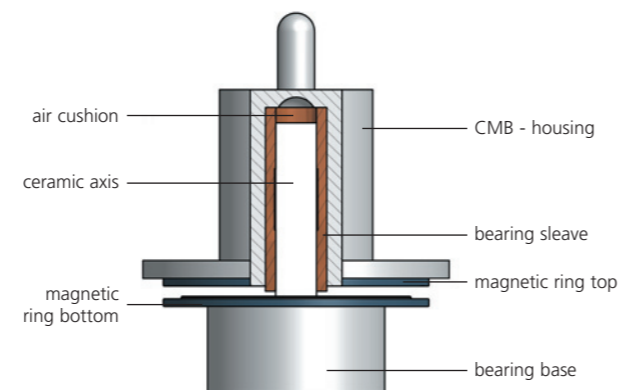
Ceramic-Magnetic-Bearing

The **clearaudio** CMB (Ceramic Magnetic Bearing) is a result of long-term research and development and is based on a **clearaudio** - patent. Two aligned magnet fields, one on top of the other, with the same polarisation, are working in a small homogeneous field while rejecting each other. The magnetic fields are critically shielded from the outside through very sophisticated materials. A high precision ceramic vertical axis fits perfectly into a bronze bearing. This perfect fit is essential and can only be achieved through the highest precision hand

polishing. The combination of these carefully selected components produces the effect of the platter almost floating by itself like on an air cushion, and not on a ball or bearing point. The results of this magnetic bearing are one of the lowest frictions in turntable design and until now, unreached rumble measurements, a new standard with unbeatable speed accuracy. Good news for all current Emotion-turntable owners, since the CMB-bearing is available as an upgrade-kit which is easy to install.



Ceramic-Magnetic-Bearing



Schematic drawing of CMB. Emotion CMB has a different design.

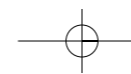
Champion Wood

Welcome to the world of artistic creation executed with the finest engineering that is the **clearaudio** "Champion Wood". New to the elegant **clearaudio** Champion series is the new Champion Wood. The Panzerholz (a resonance-free bullet

proof wood) chassis, sandwiched between aluminium top and bottom plates elevates the Champion Wood to the highest levels of music reproduction.



Champion Wood



Nano - Phono

The **clearaudio** NANO-PHONO defines a new world standard. Real High-End performance at a truly budget price: Experts would say this is not possible. However **clearaudio** has achieved this breakthrough by using a new design perspective, the solution is simple, elegant and astonishingly effective. The printed circuit board is precisely embedded in a massive precision-CNC-machined aluminium block that forms the complete chassis. The result: Resonances are not formed in the first place! The miniature size of the Nano-Phono ensures outstanding technical results and unheard quietness within its price

range! The quality of the Nano-Phono is obvious. The latest sophisticated surface-mount technology is used in conjunction with precision electronic components, such as BURR-BROWN (Texas Instruments) integrated circuits, and extremely short signal paths leading to a pure, hum and noise-free music reproduction. The fully dual-mono design requires separate setting of the left and right channels for input loading, gain control and selection between MC and MM modes, are extracting the best results from virtually any cartridge!



Nano - Phono

Accu "+" Phonostage Power Supply

The new **clearaudio** phonostage generation with Accu Power Supply are signed with the "+" and represents the improved range of **clearaudio** phonostages.

Cutting-edge high technology selected and formatted NiMH-accumulators are combined into the **clearaudio** Accu+ Power Supply unit which can be used to upgrade the **clearaudio** "+" series phonostages to run on the purest DC voltage possible.

Battery power ensures that no noise or distortion from the mains supply can pollute the pure music signal thereby granting the highest quality musical reproduction and pleasure. Currently available in "+" series are the following **clearaudio** phonostages: Basic "+", ymphono "+" and Balance "+". Through innovative battery technology the **clearaudio** ACCU "+" Power Supply elevates the **clearaudio** "+" phonostages to a new standard of excellence.



Accu-Power "+" Power supply and charging unit

Azimuth Optimizer

The Azimuth Optimizer is a precision measurement unit that makes it possible to exactly align the azimuth of the cartridge diamond (stylus) position. The stylus azimuth (the vertical position of the cartridge's diamond when viewed from the front) has main influence on channel balance, frequency response and stereo separation of a stereo phono cartridge. Visual adjustment of azimuth is not accurate enough to ensure perfect stylus alignment. Exact azimuth can only be

determined when using a precision measuring instrument such as the **clearaudio** Azimuth Optimizer. Furthermore a High-End phonostage is built in, so that the sonic effect of adjustment may be compared against the scientific measurement. An integrated headphone amplifier makes mobile usage of the Azimuth Optimizer possible. Any headphone with an impedance between 100 ohms and 600 ohms can be used.



Azimuth Optimizer



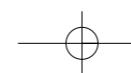
Balance "+"



Basic "+"



Symphono "+"



MC Pick-up cartridge Talismann

Entry-level MC cartridges have a new champion. It is called TALISMANN. With this completely new cartridge design **clearaudio** established yet another performance benchmark. The TALISMANN offers the enthusiast unbeatable performance for the price. The resolution and dynamic range, warmth and shimmering brilliance sets standards that even higher priced cartridges from other manufacturers cannot reach. How is this possible? The philosophy of the TALISMANN is "Ultimate refinement". Painstaking care is taken to ensure that manufacturing errors do not occur and therefore do not have to be corrected afterwards, which explains the extremely

attractive retail price. Innovative ideas formed from the know-how involved in cartridge manufacturing combined with that of musical instrument manufacturing are applied with precise German engineering and craftsmanship. The hand polished ebony tone-wood body is slightly rounded, which leads to a resonance eliminating construction. High output voltage ensures noise free musical reproduction. The ruler-flat frequency response from 20Hz to 20kHz grants a firm realistic bass, uncoloured midrange and natural high frequencies. To sum up: Thanks to **clearaudio**, music lovers on a tight budget can say goodbye to compromise.



Talismann


Double Smart Matrix


The Double Smart Matrix is based on a **clearaudio** patent and is one of the most cost-effective record cleaning machines that cleans both LP sides at once. The difference to the bigger fully automatic Double Matrix is the manually applied cleaning fluid and less cost intensive parts as well as the difference in the chassis materials.




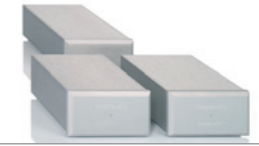
Double Smart Matrix


Technical Specifications

Balance+	
	
Mode:	MC / MM
Amplification at 1 kHz:	63 dB (MC) / 44 dB (MM)
Input impedance:	510 Ohm / 220pF MC 47 kOhm / 220pF MM
MC / MM input	Switchable at the bottom
RIAA (75µs/318µs/3180µs)	Yes
Distortion:	0,001% (IEC A)
Signal to noise ratio:	74dB (MC) ; 89 dB (MM)
Crosstalk:	>90 dB at 1 kHz
Max. output voltage:	10,5 V (1 kHz)
Operation voltage:	+/- 18 V DC
Output connections:	Symmetric (Balanced) XLR Asymmetric (Unbalanced) CINCH
Subsonic filter:	20 Hz; steepness -3dB / Oct
Power supply:	± 18 V DC external power supply
Weight:	Preamplifier approx. 1,78 kg Power supply approx. 2,5 kg
Dimensions (WxDxH in inch):	Preamp: 7,12 x 8,66 x 2,17 inch Power Supply: 7,12 x 7,28 x 2,17 inch
Dimensions (WxDxH in mm):	Preamp: 182 x 220 x 55 mm Power Supply: 182 x 185 x 55 mm
Manufacturers guarantee:	3 years*

Azimuth Optimizer	
	
Operating Voltage:	24V DC stabilised with power supply
Input:	100-240V AC / 47-63Hz
Inputs and Outputs:	RCA-sockets, unsymmetrical
Phonostage:	
Amplification:	MM: 40dB, MC: 60dB
Channel separation:	> 80dB
Distortion factor: (THD+N):	< 0.01% / 1kHz
Input impedance / Capacitance:	MM: 47k Ω / 220pF MC: 400 Ω / 220pF
Output impedance:	100 Ω
Frequency response:	20Hz – 70kHz / -3dB
RIAA:	RIAA +/- 0.5dB deviation
Headphone amplifier:	
Amplification:	10dB
Headphone impedance:	100 – 600 Ω
Connection:	6.3 mm RCA jack
Measurement unit:	
Indication range:	-50 to +6dB, accuracy +/- 0.2dB Maximum measurement: 19.99mV
Noise filter: (valid only for right channel when unit is in measurement use)	From 200Hz / trans conductance 12dB per octave
Dimensions: H x W x D	47mm x 102mm x 190mm
Weight:	Azimuth Optimizer: 750g, Power supply: 150g

Symphono+	
	
Mode:	MC / MM
Amplification at 1 kHz:	59 dB (MC) / 38 dB (MM)
Input impedance:	510 Ohm/270 pF MC 47 kOhm/270 pF MM
MC / MM input	Switchable
RIAA (75µs/318µs/3180µs)	Yes
Distortion:	< 0,01% (IEC A)
Signal to noise ratio:	>71 dB (A) MC / 88 dB (A) MM
Crosstalk:	>90 dB at 1 kHz
Max. output voltage:	12 V (1 kHz)
Operation voltage:	+/- 18 V DC
Output connections:	Symmetric (Balanced) XLR Asymmetric (Unbalanced) CINCH
Power supply:	± 18 V DC external power supply
Weight:	Approx. 2,8 kg (Preamp and power supply)
Dimensions (WxDxH in inch):	Preamp: 7,17 x 5,83 x 2,2 inch Power Supply: 7,17 x 5,35 x 2,2 inch
Dimensions (WxDxH in mm):	Preamp: 182 x 148 x 56 mm Power Supply: 182 x 136 x 56 mm
Manufacturers guarantee:	3 years*

Basic+	
	
Mode:	MC / MM
Amplification at 1 kHz:	62 dB (MC) / 41 dB (MM)
Input impedance:	47 kOhm/270pF MC / MM
MC / MM input	Switchable
RIAA (75µs/318µs/3180µs)	Yes
Distortion:	0,003% (IEC A)
Signal to noise ratio:	>65 dB (A) MC / 84 dB (A) MM
Crosstalk:	>90 dB
Max. output voltage:	11 V (1 kHz)
Subsonic filter:	20 Hz; steepness -6 dB / Oct.
Operation voltage:	+/- 18 V DC
Output connections:	Asymmetric (RCA)
Power supply:	± 18 V DC external power supply
Weight:	Approx. 1,8 kg
Dimensions (WxDxH in inch):	3,98 x 5,91 x 2,24
Dimensions (WxDxH in mm):	101 x 150 x 57
Manufacturers guarantee:	3 years*

Nano - Phono	
	
• MM and MC mode; switched by jumpers on the bottom of the unit	• External power supply (prevents disturbances from the power line)
• Almost any cartridge can be used, through the use of input impedance jumpers: 50 Ω, 100 Ω, 400 Ω, 1k Ω, 47k Ω	• Gold plated RCA jacks
• Gain control from 34 to 67dB	• High end components
• Frequency response from 10Hz – 100kHz	• Fully Dual Mono circuit design
• SMD technology	• Subsonic filter optional
	• Dimensions: 80mm x 100mm x 20mm
	• Warranty: 3 years*
	• Precision Made in Germany

*Only if warranty registration card is correct filled out by owner and sent back within mentioned time to clearaudio.