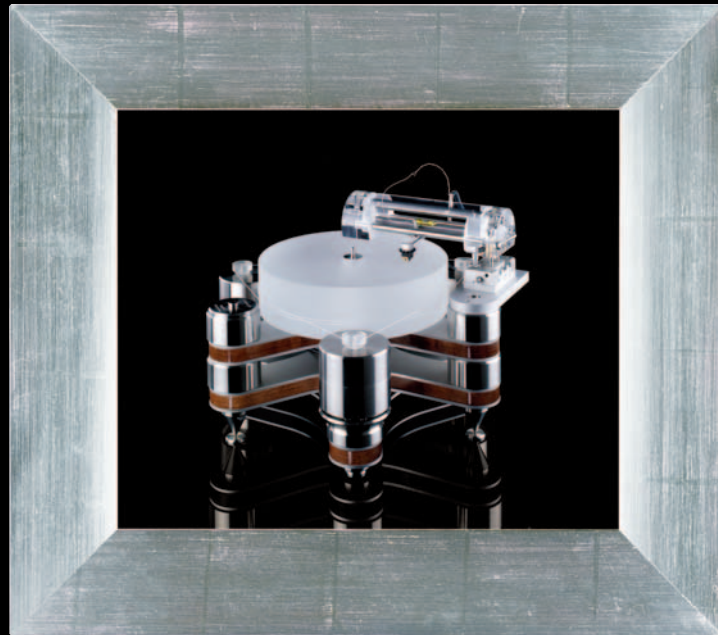




Loving music



Music of Modern Art



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# Our philosophy

Take the best and make it better, only then is it just good enough..." Peter Suchy: A man with a visionary character and an overwhelming desire to bring these visions into reality. A man who does not follow trends, but creates new trends and sets new standards. A man who realises his philosophy in all his products named clearaudio. Peter Suchy is this kind of character and personality, more than just the man behind the products, his committed dedication and emotion means his soul is inherently in his products.

1978, the year of real breakthrough, the year clearaudio's Moving-Coil Cartridges were introduced to the world with their innovative and unique symmetrical generator design. Hand-crafted in Erlangen, Germany – clearaudio products are regarded as innovative, true quality and of setting the highest standards by hi-fi specialists and top class engineers alike.

Based on this philosophy clearaudio has been setting new standards in the analogue reproduction of music for more than 25 years. You will find clearaudio in more than 70 countries worldwide with a fully comprehensive range of high end phono cartridges, tonearms and turntables, phono preamplifiers, class-A amplifiers, plugs, cables, racks and even the audiophile production of vinyl records. Look opposite and you will see the clearaudio family of today. Loving Music, perfection in design and raising the standards. Peter Suchy has imbued his sons Robert & Patrick with his love of music, his desire for perfection and his commitment to doing things right.

THE BIG THREE: Peter Suchy and his sons Robert and Patrick.

Not only are optimisation and refinement key features in the clearaudio headquarter, a harmony resulting from the common dreams of a family being realised for another generation. These three men share the same philosophical and technical ideals. They all have opened their hearts to music; let them show you the keys of unlocking another dimension, an emotional odyssey, the discovery of and existence within the energy of music.



Patrick Suchy, Peter Suchy, Robert Suchy



# Turntables

## Another day in paradise

Does music involve you, move you and inspire you? Clearaudio turntables will awaken your musical passion. Our turntables are created with innovative design and precision handcrafted manufacturing. Each of our turntables from the entry-level to the top-of-the-range possesses the same qualities: the highest level of craftsmanship and precision in every respect, realised by innovation and the wisdom gained from over 25 years of experience. We undertake to achieve the complete absence of noise, free from degradation from the drive belt, motor or any other mechanical parts. We bring you pure music, reproduced to a new and unheard level. Our way is to create a synergy of optimised materials: for example stainless steel, acrylic and incredibly dense bullet-proof, 72-layer plywood.

# Master Reference

## All my loving

Don't just look, let your eyes dream.  
Don't just listen, open your sensibility to the music.

Visual beauty and state-of-the-art engineering combine revealing the top echelon of music reproduction through an audiophile instrument of the highest art. We named it the MASTER REFERENCE.

We were the first manufacturer worldwide to eliminate the negative effects of asymmetric force from the motor drive system acting upon the platter. We call it side-force-free belt drive. Open the casket of ingredients and you will find engineering worthy of a jeweller.

- Resonance-eliminating-chassis construction and geometry
- 3 separately housed motor drive units
- 3 independent belts
- Precision machined, massive tonearm mounting-plates
- Hand-polished inverted bearing with a diamond-polished ceramic ball
- Massive stainless steel decoupling bases

No frills, no compromises, our way undoubtedly achieves the undisturbed reproduction of the fine and sensitive information coming from vinyl. Always striving towards perfection and to improve upon our best we designed the ACCURATE POWER GENERATOR to eliminate noisy spikes and stabilize the voltage. No degradation from beginning to end guarantees never before heard detail, depth in imaging and neutrality. That's our message to you, and to the world, of our standard of music reproduction. See our new AMG (Aluminium, Magnesium Grounding)-model range on page 09. We are in love with music and that's why we designed the MASTER REFERENCE.





Rigid stainless steel decoupling bases



Tangential tracking



Three floor pulleys



AMG black



AMG transparent



AMG wood

# Solution series – All around the world

Following our philosophy that even the smallest part of a product leaving our factory must be of the highest quality in every respect we designed the Solution as an entry-level product capable of the finest sound quality reproduction. When you have fallen in love with the basic model 'Solution' we offer the option of many upgrades to the level of your personal choice.

## Maximum Solution

Music is no virtual process. It is the real artwork of composers, interpreters and virtuosos. Therefore become a virtuoso too by hearing real music through our components. See and hear these features:

- Side-force-free belt drive, as used in the Master Reference
- 8kg precision platter
- 3 synchronous motor drive units, synchronized by the clearaudio Accurate Power Generator
- Massive decoupling bases for both chassis and tonearms

These ingredients follow the design consideration to create a symbiosis of precision mechanics and aesthetic appearance.



Tangential tonearm



## Master Solution

Add 3 features to widen the window for the music:

- 70mm thick platter
- Heavy tonearm mounting bases
- 12mm bearing of Master Reference quality.

You will hear what we do to improve upon the best.



Master Solution drive unit



## Solution

An everlasting piece of design.

To achieve this we have to implement high-end techniques:

- Separate, heavy motor housing
- Inverted bearing
- Resonance optimised synergy of materials and shape.



Unify with tonearm base



# Special Editions – Let's do it

## Anniversary

The 25<sup>th</sup> Jubilee Edition is a document of clearaudio's continuing love of music. This meant to us 'To do something new, something in this model not done before!' For the first time we used the very hardest, bullet-proof, 72-layer plywood. By using this in combination with stainless steel, aluminium and acrylic we almost entirely eliminated resonant effects. A real heavyweight of 26kg with a 70mm platter and absolute perfection in finishing, the combination of these materials will astonish your ears and seduce your eyes. Really worthy to be our – Anniversary – and named thus, when we conceived the Anniversary we decided: 'let's do it', you can see and hear that we did.



72-layer bullet-proof plywood



## Champion Limited

Only 1000 music lovers worldwide will become owners of this exceptional model, hurry up to be one of them. The heaviest of stainless steel bases supports the chassis. Our UNIFY tonearm is direct-wired by clearaudio's Sixstream-cable for maximum performance. An acrylic dust cover takes care of this treasure. Completing the package is the clearaudio Aurum Beta-S Wood moving magnet cartridge, producing a fully harmonised combination at an exceptional price.



## Champion Magnum

The Magnum owner is the owner of 28kg of perfectly machined and finished parts, hand-built and offering a magnitude of performance above the regular 'Champion'.



# Ambient – Light my fire

## Ambient

Shall we say we're delighted or we're proud? Yes, we are both. We raised our ambitions of what we should achieve and thus raised the level of what was expected. Feast your eyes upon the – Ambient.

The separate motor section incorporates both power supply and regulation, offering two speeds (33 1/3 and 45 rpm) selectable at the touch of a button, with blue LCD display and absolutely precise speed control. Worldwide flexibility means it can operate on power supplies from 110V to 240V. The combination of brushed aluminium and bullet-proof plywood provides a truly non-resonant base. Conceived to be a new design classic. Innovative vision and timeless beauty: documented in an object for the lover of lifestyle and functionality, now also available in Piano-black lacquer. We refined it so you can admire it.





Ambient, black



Black Piano lacquer sandwiched in aluminium plates



Blue display shows current speed

# Avantgarde series – Satisfaction

## Avantgarde Magnum

Do you tend to be a perfectionist? The Avantgarde concept allows you to do what our engineers do. Reaching perfection with a 7kg platter and an absolutely matched bearing. The result is a heavy mass turntable with precise speed stability.



Transparent acrylic



## Avantgarde

The golden section is a form of the highest symbiosis: technical intelligence and creativity. Avantgarde follows the implements of these high values. This combination is the result of a 8kg chassis and the 40mm platter. With two 20mm acrylic chassis plates and a sandwiched aluminium plate it is rounded up to a 17kg turntable. So you can realise a physical phenomenon: noise-free stability and precise perfection.



Transparent acrylic



# Champion series – We are the champions

## Champion-Basic

Behind the clearaudio team are our dedicated employees, each giving their all, regardless of time and energy. Realising this is seeing the human element behind all our products. This story of all those hours of work, vision, dreaming and perfectionism will never end. Welcome to the world of artistic creation and finest engineering with our 'Champions'. We invite you to realise your dream, set with these features:

- Inverted platter bearing
- Non-resonant GS-acrylics
- Separate motor drive
- Precision polished materials
- Upgradeable to your choice and taste



Champion Basic in transparent acrylic



## Champion Level I

Release your Champion potential with Champion Level I by adding a second chassis complete with three decoupling devices in-between. Even the motor gets a massive stainless steel base. The Champion Level I achieves more rigidity and quietness in a design with an aesthetic appearance you only dreamed of.



Champion Level I , transparent acrylic



## Champion Level II

You want to dive deep into the emotional process of music reproduction?

Take a moment to consider the details of the Champion Level II

- Double chassis construction
- Heavy decoupling bases
- 70mm precision machined platter
- 12mm bearing of Master Reference quality

Realise the top level of analogue reality. We create and you combine these synergistic ingredients.



Champion level II in transparent acrylic



# Emotion – Forever young

## Emotion

Performance, quality and design previously unachieved in this price region. We wanted to open a new dimension of music reproduction so we did things never believable in this category:

- Separate motor housing moulded under over 100 tons of pressure
- High quality platter, base plate, belt drive and maintenance-free bearings
- Two colours: satin clear and satin blue
- Satisfy-tonearm, so much more than an entry-level model.

A class of its own! Yes, it's a benchmark in this region of turntables and we're proud and happy to reach this standard. Listen to it, compare it, believe it!



Emotion drive unit



Satisfy tonearm



Facelift kit, Damping-feet



## Bluemotion

Identical in all design features and technical aspects, we offer you the satin blue coloured version.



Magnetical antiskating adjustment



Satisfy tonearm with Alpha wood



# Turntables, choice of materials

Different materials should be harmonized to tonal integrity. To realize both aspects – design and quality – clearaudio turntables were combined with different materials as shown beneath:



AMG-model, transparent acrylic, in aluminium sandwich



Transparent acrylic



AMG-model, black acrylic, in aluminium sandwich



Black acrylic



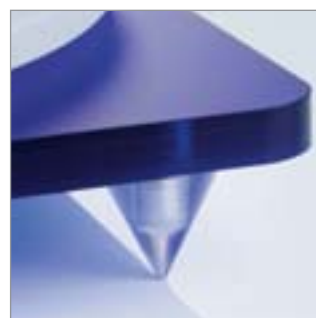
AMG-model, bullet-proof plywood, high-gloss polished, in aluminium sandwich



Transparent satin acrylic



AMG-model, black piano lacquer in aluminium sandwich



Blue satin acrylic

# Additional accessory parts for turntables – With a little help...

## Dust covers

Jewels must be protected. Therefore we offer handcrafted GS-acrylic dust covers. Don't be aware for your individual solutions, we deliver dust covers according to your personal proportions.



Dust cover Master Reference  
Outer dimensions in cm: 550 x 550 x 370  
Outer dimensions in inch: 21,7 x 21,7 x 14,6  
Thickness in mm: 4  
Thickness in inch: 0,15



Dust cover Solution, Master Solution and Maximum Solution  
Outer dimensions in cm: 500 x 550 x 240  
Outer dimensions in inch: 19,7 x 21,7 x 9,4  
Thickness in mm: 4  
Thickness in inch: 0,15



Dust cover Champion Level I and Champion Level II  
Outer dimensions in cm: 500 x 450 x 170  
Outer dimensions in inch: 19,7 x 17,7 x 6,7  
Thickness in mm: 4  
Thickness in inch: 0,15



Dust cover Champion Basis and Champion Limited  
Outer dimensions in cm: 470 x 390 x 95  
Outer dimensions in inch: 18,5 x 15,4 x 3,7  
Thickness in mm: 4  
Thickness in inch: 0,15



Dust cover Emotion and Bluemotion  
Outer dimensions in cm: 435 x 350 x 140  
Outer dimensions in inch: 17,1 x 13,8 x 5,5  
Thickness in mm: 4  
Thickness in inch: 0,15

## Tonearm mounting boards

For the ideal connection of different tonearms to clearaudio turntables we offer a great range of mounting boards, with materials like GS-acrylic and aluminium. As well any custom cut out is welcome.



Solution series mounting board



Tonearm mounting board for Champion and Avantgarde



Champion Level II and Avantgarde Magnum mounting board



Solution Series armboard for tangential tonearm



Drop-shaped mounting board for Solution series and Master Reference with platter height from 2,8 inch (70mm) and up



# Tonearms

## Brothers in arms

**R**emember clearaudio's philosophy. The opening of a window to have a new reality of audiophile dimensions.

Consequently we have three categories of tonearms: Uni-pivot-designs, radial-designs, tangential designs. They all have remarkable features to reach the topclass of artwork and craftsmanship. Well thought over and deep knowledge with respect to both, musical and technical processing will bring out a character that is able to do the things you will see on the following pages. Take a look to the beginning of producing your vinyl. Master cuts have no radial cutting technique, never radial influences.

So you must try to have same conditions in cutting and following production of vinyl. To minimize the differences between cutting of the master and the production of the vinyl we decided to optimize tangential tonearms. Following to this demand we patented the mechanical principle.

Back to the basics with passionate enthusiasm is our offer to your undisturbed hearing of musical emotions.

# Tangential tonearms

## Master TQ-I

So as to never ever compromise the beginning of the signal path we favour the tangential tonearm design. The application of our experience, machining, artwork and engineering has turned this decision into a Master Class of tonearm design.

The original Souther TQ-I was an iconoclastic instrument of this principle. We agreed and accepted this but wanted to make a revolutionary new product improving all of the aspects of the basic product. We are very proud to introduce this state-of-the-art tonearm as the MASTER TQ-I for the ultimate music lover who wants nothing but the very best. Whatever was possible to improve, we did.

The end result is a masterpiece, its massive construction uses only the very best materials and it's wiring consists of one unbroken length our own Superwire, leading from the cartridge tags to the phono-preamp.

This ensures no losses of even the smallest signal at the critical beginning of its path, and no loss in transportation along clearaudio's best cables and connectors to bring you all the music.



Integrated precision bubble level



Ergonomic tonearm cuing device



## TQ-I

A little bit smaller in appearance but designed to the same principle we offer the TQ-I. Conceptually both the father and son of the Master-TQ-I, in constructional details the TQ-I contains no active drive elements; no added air compressors or servo regulators. All these additional ideas are no help because they produce destructive noise and other problems. The TQ-I is a worthy partner for the very best cartridges available worldwide. Absolutely undisturbed reproduction of our beloved vinyl is now possible.

Transporting the finest signals through clearaudio Superwire, our very best cable to the clearaudio anti-magnetic gold-plated RCA connectors is a significant consequence of our no compromise engineering.



Precision bearing carriage



Precise height adjustment

## Tangent

The Tangent is real gem both in this price class and above. Featuring simple adjustment, long-term stability and an elegantly pure mechanical design the Tangent opens the window to all dimensions of music. Precise height adjustment during playback process as founded in the TQ-I.

At such an affordable price only the Tangent allows you to hear so deep into musical emotions.



Comfortable height adjustment

# Radial Designs

## Unify

Rather than copying trends clearaudio aim to set the standards in order to become a solid guide for the audiophile world. As we always want to design products in a class of their own we designed the UNIFY as a unipivot-radial design.

What makes the Unify unique?

- Sapphire bearing
- Extremely fine polished pivot
- Tonearm housing of magnetic-free die cast metal
- Carbon fibre arm tube
- Eccentric counter weight
- Direct-wiring from cartridge to the preamp
- Separate adjustment of VTA and Azimuth
- Easy anti-skating adjustment

Despite this arm being a complex scientific instrument it is extremely simple in it's set up and assuring correct alignment as well a simple operation that provides the best possible performance.



Mechanical beauty



RCA-terminal for individual use of phono-cables

## Satisfy

The clearaudio difference is not subtle! The difference to other manufacturers is that we tend to set standards in every class by designing milestones. The features of the Satisfy you would find only realised in a few of the best tonearms.

- High quality handmade Swiss vertical and lateral bearings
- Pure polished sapphire bearing materials
- Directwired with clearaudio Directwire as well as integrated high quality clearaudio RCA connectors for unbroken signal path from the cartridge pins through the arm tube to the phono-preamplifier
- Different arm-materials: aluminium, carbon fibre, ebony and satiné
- Elegantly innovative magnetic anti-skating control

We think we did it all. You'll be astonished by both the appearance and the sound quality, which really satisfies!



Carbon fibre silver coloured



Ebony wood



Satiné wood



# Cartridges

## Diamonds are forever

Take care of your vinyl records! Clearaudio Cartridges are designed with 25 years of experience, attention to every detail, innovative and pioneering approaches to the design and the total understanding of modern materials and techniques. We invite you into another world of cartridges. A world where our technicians, engineers and handcrafting specialists apply all of their knowledge and skill to achieve the realisation of cartridges that are perfectly symmetrical in all aspects of electrical, mechanical and magnetic engineering. Strict control and selection of all parts takes considerable concentration and time.

All our Moving Coil cartridges have the additional features:

- Balanced boron cantilever
- Coils hand wound from 24 carat gold with identical inductivity and resistance
- Most modern and precise measuring techniques

New levels of detail and an unbelievable dynamic range of up to 100dB are amongst the results of our trailblazing and sophisticated research. Only a procedure implemented regardless of cost and time makes the clearaudio patented symmetrical generator design possible. Music appears real to your ears with a dynamic range, detail and precision unheard elsewhere. As a leader in the world of cartridges we bring our love of music to your ears, listen and you will be enchanted.

A clear breakthrough in analogue music reproduction has been achieved with our new MC-cartridge generation. The new generation is able to read a dynamic range of up to 100dB with a frequency response of 10Hz up to 100kHz. The following measurement (see page 33): a trackability test at 80 microns proves the 100dB dynamic range. The peak level (blue graph) in relation to the record noise (green graph) clearly shows a dynamic range of 100dB.

As well we have proven in our laboratories that modern vinyl records can produce highest dynamic levels. You can imagine the enormous headroom without distortion, in this parameter digital sources are consequently again surpassed.

# Moving Coil cartridges

## Goldfinger

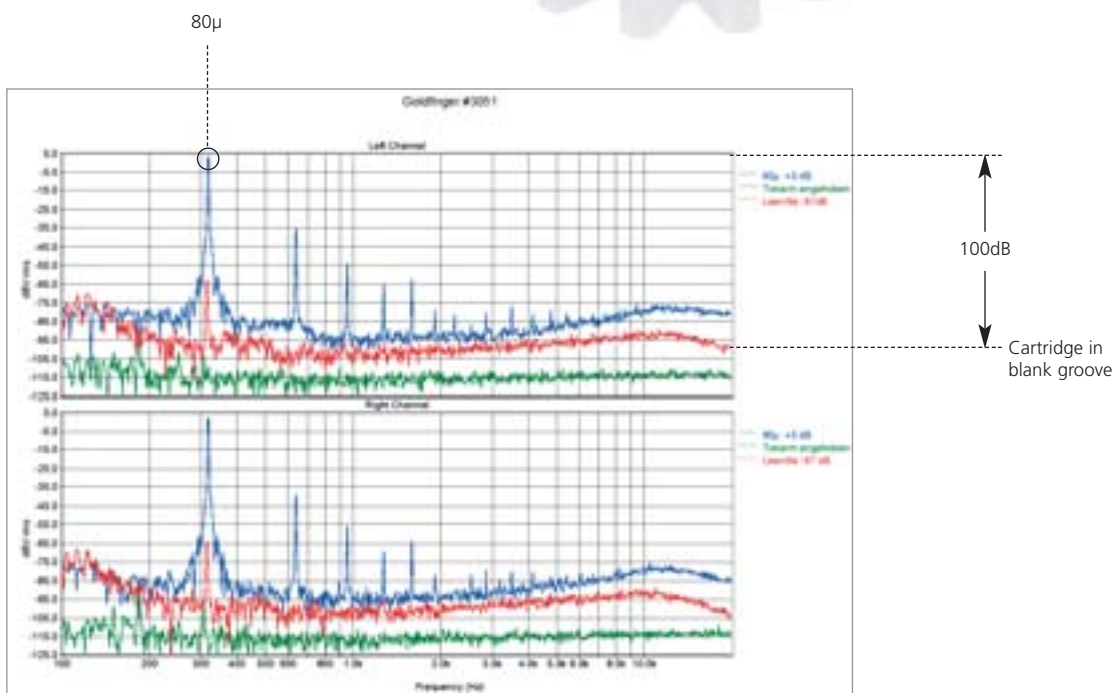
You may call us irrespctive when we conflict with the commonly accepted laws of audio physics. However, it is based on this kind of research and development that we can offer the 'Goldfinger' to you with the awesome, unbelievable dynamic range of 100dB. A radical new design of the magnetic circuit, achieved by doubling the magnets up to eight pieces and by using the most powerful magnet materials currently available, assist us in reaching this new level of standart.

This ground-breaking technology is incorporated to a body fashioned from 16 grams of pure gold, carefully polished by the hands of master craftsmen we realised this work of art as a whole masterpiece in technique and linear transparency. Internally, the completely symmetrical generator system is adorned with pure 24ct. gold coils and the new developed 0,00016 grams HD-diamond tip completes 'Goldfinger', making it the pinnacle of our achievement.



# Titanium

Another dream of music reproduction and sound experience is named Titanium. The massive Titanium body of 9 grams eliminates resonances to make 95 dB dynamics possible. The promise of transparency and linearity is provided by excellent trackability.



Measurement diagram shows the dynamic range of 100 dB during the use of 'Goldfinger'

# Moving Coil Cartridges

## Stradivari

Stradivari is synonymous with the absolute master class of creating musical instruments. Our moving-coil cartridge named after the maestrissimo allows a 90dB dynamic range from vinyl. Long-stored old ebony wood provides both resistance against resonances and an excellent well-balanced sound.

The real music lover will be impressed.



## Concerto

All the design aspects of Goldfinger, Titanium and Stradivari are found in the Concerto the entry-level into our New-Generation-Super class of moving coil cartridges. The resonance optimized body shape and a body material of satiné wood, contribute toward an excellent performance in the baby of the super range.



## Symphony

A body of long stored Ebony wood, boron cantilever and our famous Trygon PII-diamond tip provide the detailed image and musical perfection of our new generation with stunning facilities.



## Melody

The entry into a radical new world of the best MC's ever being produced by clearaudio, we combine an Ebony wooden body, rigid aluminium cantilever and the well known parabolic stylus shape. Compare against clearaudio offerings of the past as well as any contemporary competition to hear what's possible when the specialists spread their wings.



# Moving Magnet cartridges

## Start me up

It was back in 1978 that clearaudio first manufactured moving coil cartridges. This vast experience has been a significant benefit to our range of moving magnet cartridges. We have made massive improvements in details such as mass-reduction, the profile, polish and finish of the styli and in the damping of the cantilever.

Strict attention to construction methods along with extensive quality controls and hand-selection processes form part of the procedure for this stunning quality. We can assure you flawless quality in all areas to guarantee exceptional linearity and trackability. Each model is available in a body-material of either stainless steel or Satiné wood ensuring compatibility with most tonearms.



Maestro Wood



Beta Wood



Virtuoso Wood



Alpha Wood



Beta S Wood



Classics Wood





# Phono-Preamplifiers

## Music was my first love

**M**y first love will never end. We keep this in our hearts and minds whilst we are working, eager to maintain our reputation as a worldwide leader within the analogue domain. We start with the highest standard of measuring instruments to constantly examine and improve quality. The goal being to end with a product through which a balanced rendition of all music flows, transporting into our souls that which can only be described by real lovers of music: emotion, passion and sentiment.

To ensure a perfect compatibility with our cartridges we have designed phono stages with exceptional features. Hand-selected high quality parts are used to match one channel perfectly to the other, outboard power supplies are employed in separate massive cases which helps to eliminate mechanical and electrical interference, in every respect we use the best parts available on the market, avoiding mass production practises and solutions.

Loving details? Everything from the layout of the signal paths to the use of our non-magnetic MPC-RCA plugs we deliver to you a purity and non-disturbed signal as the basics for an uncompromised performance.

We must honestly point out and assure you that music is our first love, our last and everything and therefore we are dedicated to preserving the emotion. Open your ears to the music; we open the window to the soul. – Nothing coming between -

# Balanced Reference Phonostage



## Balanced Reference Phonostage

We designed our Balanced Reference Phonostage to establish a true reference status. It has taken years of tireless research and compulsive passion to realise the full potential of this component.

Rest assured in the inherent quality of the parts we use, totally separated massive cases, fully symmetrical design of the circuit layouts and power supplies, highlighted by a stepped attenuated regulation, designed to drive your power amp directly in 3dB steps.

You deserve the best, a true Balanced Reference Phonostage:

- clearaudio non-magnetic MPC RCA-plugs for unbalanced in / outputs
- NEUTRIK-XLR connectors for balanced in / outputs
- 5-pole BINDER-connectors for balanced inputs
- Capacity / impedance loading for your individual purpose
- Pure silver German made 'glimmer-caps'
- Non-magnetic resistors by Vishay and Dale to clearaudio's specification

Throughout the conception, development and production of this project we reminded ourselves nothing must be compromised in a true reference standard project. Second best will not do.



# Phono Preamplifiers



## Balance

Truly balanced and carefully designed with fully independent channels, all parts are assembled in a massive aluminium block to keep free from resonances. The separate, externally housed power supplies assure exactly identical voltages to the Balance phono stage.



## Symphono

Immaculate signal to noise ratio and absolute transparency were realised in the Symphono. The external power supply is carefully stabilised eliminating cross-talk-effects.



## Basic Symmetry

Fully symmetrical input circuit design and balanced phono cartridge input through a jack in the middle between the RCA plugs is a special feature of this preamp. It automatically matches with the impedance of the moving coil cartridge.





## Basic Limited

The Basic Limited is a limited edition of 1000 pieces containing the finest op-amps. This raises signal to noise ratios into the top class. The Basic Limited matches moving magnet as well as moving coil cartridges via switch on the bottom side.



## Basic +

Simple to use yet full of features, this unit matches moving magnet as well as moving coil cartridges via switch on the bottom side. It also automatically matches impedance of the cartridge used. A winner and reference unit in its class.



## Smart Phono

Brilliance is demonstrated through exceptional features like: SMD-technology, compatible for Moving-Magnet as well as Moving Coil cartridges, linearity from 20Hz to 20 kHz makes it smart. A really must-have-product in this highly competitive price category.



# Balance Amplifier Series – The power of love

## Balance Preamplifier

Not designed just to impress for the moment but for a timeless elegance delivering the highest performance for many decades, that is the target of our preamplifier. The internal components won't corrupt any signal you feed through the Balance preamplifier. The smallest details will be transported on the shortest possible signal paths. Beside our highly selected parts we provide a wide range of balanced XLR and unbalanced RCA inputs and outputs. As a flexible central system controller the Balance Preamplifier ensures the musical signals are carried musically intact and free of noise to your power amplifier.



## Balance - pure class A power amplifier

Feel the music, let it breathe, let it live with the most sophisticated class of power amplifiers; a clearaudio pure class A design.

Separate layouts for each channel are completed with a massive transformer. You have the choice of balanced or unbalanced inputs to ensure compatibility with all preamps. The clearaudio designed loudspeaker protection is a world first, realised through opto-couplers which react in microseconds to every failure in input / output devices and to decouple the electronics from the speaker, or the mains power.

In normal use this system means that nothing will be in the signal path to your speakers. Protection without destroying fidelity is another innovative feature from clearaudio.





# Power Generators

## Stand by me

C current fluctuations in the power supply can dramatically influence the listening experience as well as components, because the integrity of the source of the hi-fi system chain is amplified and carried right through to the loudspeakers. It is therefore imperative that right at the source, there are no variations in voltage and current, and no noise being added from the power supply. Our power generators won't colour or add anything they will just ensure that the connected equipment has a theoretically perfect power supply. Regardless of costs we realised the most stable power generator.

# Accurate Power Generator

The clearaudio APG controls and improves any source equipment such as preamps, tuners and CD players with a constant fully regulated power supply with adjustable frequency up to 95Hz. Of course its primary use is as a turntable power supply where it will supply clean power for the synchronous motor drive unit and offer fine speed adjustment. In addition it allows speed selection between 33 1/3 and 45 at the flick of a switch. Not being just a simple power supply the clearaudio APG actually generates the correct distortion free frequency so that you will hear music with more authentic impact, clarity and freedom.



APG backpanel



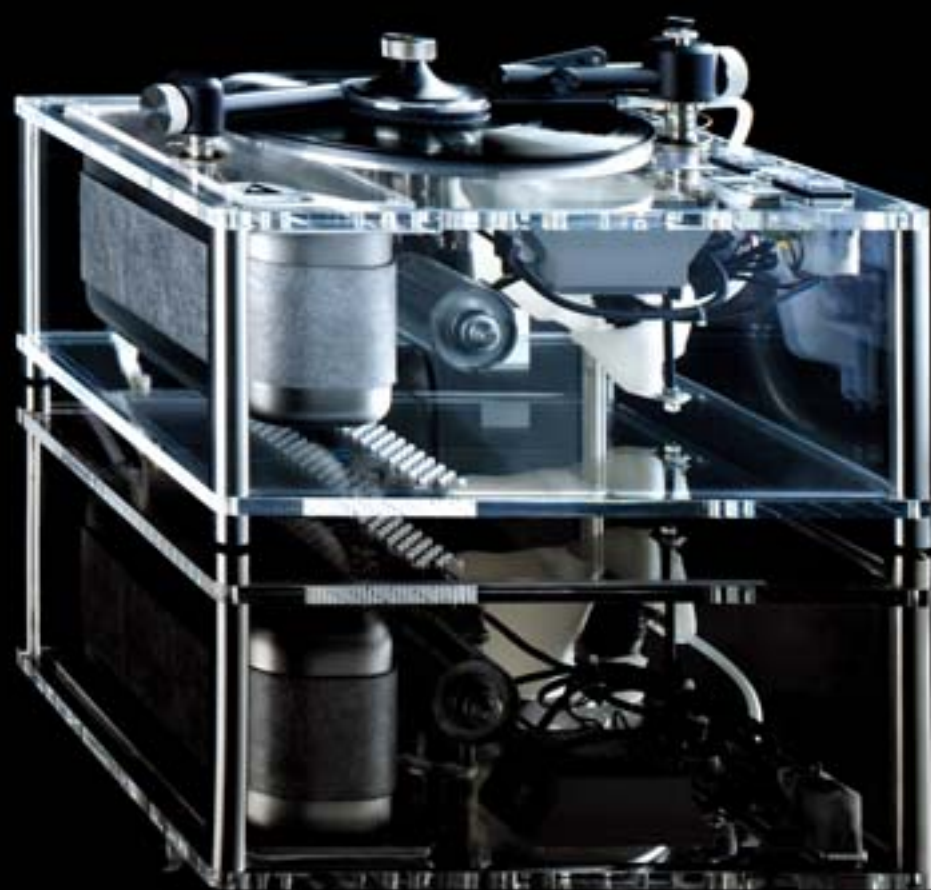
# Syncro

Especially only designed for any turntable's synchronous motor drive unit we were able to reduce the power for this use whilst still providing all the features of the APG. Providing absolute stability in the power supplied to the turntable motor results in a more detailed structure of the musical performance.



Syncro backpanel





# Record Cleaning Machines

With a little help from my friends...

Clearaudio loves the details, those seemingly insignificant aspects that actually together make the difference between a real performance conveying music, feelings and emotion and a dull, flat and lifeless reproduction. For instance the best cables, the best connectors and even the best cleaning materials are all considered with the same importance. The Suchy's have a favourite motto: Manufactured in Erlangen, making the best even better!

All your equipment needs help from these insignificant friends. We design them to improve your listening experience, everything from record brushes to professional record cleaning machines. With the addition of innovative and highly accurate adjustment gauges, spikes, test records and decoupling devices we have completed our range over the years with a fanatical desire to reach perfection.

The more you need the more we will be inspired.

# Record cleaning and record reconditioning

## Double Matrix

A total innovation of the significant features of record cleaning:

- Double side washing procedure in one step
- Fluid and contaminant removal from both sides of the LP with one cleaning arm
- No overheating even when used for many hours
- Integrated self cleaning procedure of all cleaning elements
- Innovative cleaning brushes discharge static electricity

What more can be done for vinyl care? Please take a look at our implemented details into these machines.



Static discharge brush



Funktion panel

## Matrix

Stable construction for long lasting use, low noise during the cleaning process so that your family will love it. Magnetic control of brush pressure ideally protects the precious vinyl

surface, clockwise and counterclockwise cleaning procedure via ergonomic and easily reachable switches, all in the elegant appearance of a fine technical unit. Even the deepest groove pollution will be removed!



Matrix, black

## Smart Matrix

As a manufacturer of record cleaning machines we implemented our knowledge and experience fully into our new model. Why? As an owner of vinyl you will take care of it but you want to buy vinyl beside. We agreed and so we offer an unbeatable quality in a price region never seen.

Quality features of our Smart Matrix:

- easy handling
- left / right turn
- silent during cleaning process
- nice appearance with integrated acrylic dust cover

All parts inside are of high quality for long lasting use. Your hands are in action by putting the liquid onto the vinyl and our Smart Matrix does the perfect resting work. Save money for buying vinyl but at this unbeatable calculation you will do the really best for saving them.



Smart Matrix, funktion panel

# Racks

## Solid like a rock

The synergy of stainless steel, die cast aluminium and either acrylics or massive plywood used in clearaudio rack systems provide a perfect aesthetic solution for the design lover and lifestyle enthusiast. But the clearaudio racks are of course designed for the real high-end user who wants much, much more:

- Best possible decoupling of all devices.
- Truly massive stand yet with a floor contact area of only 0.8mm<sup>2</sup>
- Maximum flexibility allowing the use of different components

## Mont Blanc

As steady as a rock the Mont Blanc 80kg multi-functional rack provides the ideal support and isolation for your amplifier, preamp, turntable and other equipment.

After installing these massive stands in your room you will not want more because the stability and excellent performance, coupled with the stunning appearance and flexibility leave all requirements fulfilled.

## Everest

Named after the king of mountains, we designed the Everest as the ideal support for our Master Reference, Maximum Solution and Anniversary turntables with a rock-solid mass of 90kg.



# Protection shields: Magix<sup>2</sup> and Mini Magix<sup>2</sup>

We have analyzed all sound disturbing influences and day by day we're in research for audiophile solutions. Vibrational effects are a serious problem. We solved this with the MAGIX<sup>2</sup> - principle and your sensible equipment will be nearly in a floating condition. Through identical magnet rings the field will act like a real screening shield.

Realized with perfect manufacturing processes and hand selected magnet rings this is a solution towards harmony.

## Magix<sup>2</sup>

Decoupling the equipment from vibrations is one of the demanding methods to the set-up of the components. Covered with non-resonant POM (a teflon alike material) the Magix<sup>2</sup> has a fine looking appearance. Height adjustment yet simple and perfect will be the demand for plain acting turntables. We favour the use of 3 Magix<sup>2</sup> with or without baseplates for exact balancing.

## Mini-Magix<sup>2</sup>

Elegantly designed with the same technique inside our specialists offer the option for the use in smaller racks with reduced space. Either the use of threaded spikes or rubber device.



# Cables

## Invisible touch

The influence of all connections from audio signals up to the power conditions is undoubtedly consens. Our engineers took care of this and we have realized a range of cables for the use of the smallest signals from cartridges, digital sources up to the power cords.

Only purest OFC- copper and finest silver copper alloy litz in the silverline is used. Nevertheless we spend also our time and knowledge for shielding of each signal conductor and the design of the inner cabling to reach absolutely phase coherence and time correctness. Masterpieces of the know how for your audiophile opinion to hear distortionless signal transport.

## Sixstream plus

In opposite to our Sixstream which contains four inner litzes in a twisted version we twisted these in 2 pairs separately to reach a better isolation between the two channels.



## Sixstream

Filmy thinnest conductors twisted with care are the perfect solution for the sensible phono signals screened with a HF-isolation we guarantee this as a non plus ultra for phono use.



## Silverline

Awesome 140 dB S/N ratio is realized through the use of 5 separate shieldings containing even MU-Metal for perfect absence of disturbing noise fields.

This patented, singular in composition with silverplated copper-conductors we designed a cable for analogue and digital extremes.



## Quint

Symmetrically designed as used in recording studios, double screened and pairly twisted you will hear no influences in all audiophile areas where this cable is used. Connecting signals is an art.



## Direct Wire

Direct wire specialist for the use from the cartridge to the phono preamp means to us:

- highest flexibility of the inner OFC cable, twisted design and shielding
- separately housed conductors for right / left channel
- central separated ground cabling

An optimum in eliminating crosstalk effects.



## Trident

Immaculate signal transport for all purposes is guaranteed by a triaxial construction of the conductors. Wherever used in the signal paths no degradation will be the result of this carefully designed cable.



## Smart Wire

Entrance into audiophile regions without failure is possible with this symmetric cable regarding features from studio-technique. 6mm flexible outer space makes the handling even for soldering starters simple.



## Clearline

Energy from amps to the loudspeaker must be unfolded. Star oriented twisting of 9 separate conductors for plus / minus signals will render to the loudspeaker what the amp produces without any influence.



## Power Cable

First source of power is the connection to the mains. Massive conductors twisted strict and tightly, HF - shielding and foil shielded manner will be optimized with general shielding for the whole assembly.



# Connectors

## Profi MPC

Exceptional state-of-the-art quality is realized through direct goldplated pure non-magnetic beryllium-copper without NiC - materials between. Finest spring contact areas will assure the transport of sensible signals.



## MPC - Cinch

Non magnetic and goldplated beryllium-copper materials will guarantee a non- crosscovered transport. A multitalented partner for all RCA jacks.



## Genius

### Genius LS

Loudspeaker connection realized as two in one. Banana and spade means cable connection yet simple and compatible with every contact on amps. CE - compatibility and non magnetic materials guaranteed.



### MPC - banana

4mm banana, non magnetic, for thick loudspeaker cabling and CE- compatibility connected by directly goldplated contacts.

### LS - spade

clearaudio MPC- technology implemented, without NiC - materials, directly goldplated surface and non magnetic structure will connect nearly all cables to all amps.

# Connectors

## MPC - Cinch - socket

Basically beryllium- copper materials and special processing for the goldplated surface by clearaudio will offer audiophile quality.



## Tonearm - connector (DIN 5-pole)

A real high-end nobility for the 5-pole connecting of phono-cables into the tonearm. Excellently manufactured and finished with non magnetic materials and goldplated surface will transport the finest signals via swinging internal contact elements.



## MPC - cartridge pins

Small signals from a cartridge need strong and secure connections. Different diameters will be contacted through swinging-variable elements. Be sure nothing is lost.



## BNC - connector

75 Ohm - connections under all conditions with non- magnetic materials and direct goldplated surface is our perfect offer.



# Innovative accessories – Knocking on heavens door



Vinyl Doctor



Vinyl Doctor, open



Vinyl Doctor, detail



Azimuth Optimizer (prototype)



Azimuth Optimizer, see terminals with bnc for connecting oszilliscopes



Azimuth Optimizer Display



VTA-Lifter, for precise height-adjustment even during use; compatible also for many other tonearms



Cartridge alignment gauge



Stability Headshell Aluminium



Stability Headshell Titanium



Cartridge litz set



Matrix accessory specially for schellack



Matrix accessory specially for singles



Outer Limit



Locator, centering unit for Outer Limit  
(only clearaudio turntables)



Outer Limit + Locator



Outer Limit + Center Spider, to be used for various  
turntables



Single adapter



Bubble level without housing



Bubble level in high precision stainless steel housing



Bubble level in high precision goldplated stainless  
steel housing



Stroboscope record



Stroboscope record + 300 Hz Speed Light



Speed Light 300Hz



Cartridge Weight Watcher stylus pressure gauge



Vinyl Harmonicer



Turboweight

## Innovative accessories II



Quattro Clamp XXL



Quattro Clamp XXL Goldplated



Quattro Clamp Goldplated



Quattro Clamp



Clever Clamp



Matrix Seal / for record cleaning machines



Twister Clamp



Spike goldplated



Spike stainless steel



Spike black, POM



Spike stainless steel, small



Spike black, POM, small



Flat Pad, black, POM



Flat Pad, stainless steel



Doubledeck, record cleaning brush



Pure Groove, record cleaning brush



Diamond tip cleaning brush



Cleaning fluid for acrylic surfaces



Polishing paste for acrylic surfaces



Care Kit "Starter"



Squalan oil



Full synthetic bearing oil



Elixir of Sound, for needle cleaning



Clear Contact, for cleaning contact areas



Smart Gauge, stylus pressure gauge



„Care kit Professional“, complete in wooden box



Driving belts, silicone


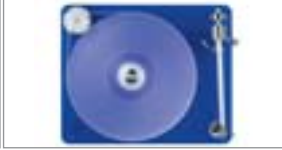









Ceramic bearing balls, 8 mm & 12 mm diameter






Pure Groove, record cleaning fluid




# Technical specifications

Turntables I							
							
Model:	<b>Emotion</b>		<b>Bluemotion</b>		<b>Champion</b>	<b>Champion Level I</b>	<b>Champion Level II</b>
Construction details:	Resonance optimized shape, belt drive			Resonance optimized shape, belt drive			
Speed change:	33 1/3 rpm / 45 rpm (78 rpm optional)			33 1/3 und 45 rpm (78 rpm optional)			
Motor drive:	seperately housed synchronous motor in a massive cascet case			seperately housed synchronous motor in a massive stainless steel cascet case			
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze			polished and hardened steel, polished bearing house, sintered bronze, inverted			
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled			GS-PMMA / acrylic, Surface CNC-precision drilled			
Platter height:	0,8 inch / 20 mm		1,2 inch / 30 mm	1,2 inch / 30 mm	2,8 inch / 70		
Speed accuracy (measured):	±0,2 %		±0,3 %	±0,2 %	±0,1 %		
Signal to noise ratio:	80dB		80 dB	82 dB	84 dB		
Total weight:	aprox. 6,9 kg		aprox. 12 kg	aprox. 24 kg	ca 36 kg		
Dimensions (W/D/H in inch):	ca. 16 x 13 x 6		18,5 x 15,3 x 4,3	18,5 x 15,3 x 6,3	18,5 x 15,3 x 8,6		
Dimensions (W/D/H in cm):	ca. 400 x 330 x 150		470 x 390 x 110	470 x 390 x 160	470 x 390 x 220		
Manufacturers guarantee*	3 Years		5 Years				




Turntables II				
				
Model:	<b>Champion Limited</b>	<b>Champion Magnum</b>	<b>Avantgarde</b>	<b>Avantgarde Magnum</b>
Construction details:	Resonance optimized shape, belt drive			
Speed change:	33 1/3 und 45 rpm (78 rpm optional)			
Motor drive:	seperately housed synchronous motor in a massive stainless steel cascet case			
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze, inverted			
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled			
Platter height:	1,2 inch / 30 mm	2,8 inch / 70 mm	1,6 inch / 40 mm	2,8 inch / 70 mm
Speed accuracy (measured):	±0,2 %	±0,1 %	±0,2 %	±0,1 %
Signal to noise ratio:	81 dB	83 dB	82 dB	84 dB
Total weight:	aprox. 20 kg	aprox. 23 kg	aprox. 17 kg	aprox. 24 kg
Dimensions (W/D/H in inch):	18,5 x 15,3 x 4,7	18,5 x 15,3 x 6,3	18,5 x 15,3 x 4,9	18,5 x 15,3 x 6,5
Dimensions (W/D/H in mm):	470 x 390 x 120	470 x 390 x 160	470 x 390 x 125	470 x 390 x 165
Manufacturers guarantee*	5 Years			

Turntables III			
			
Model:	<b>Solution</b>	<b>Master Solution</b>	<b>Maximum Solution</b>
Construction details:	Resonance optimized shape, belt drive		Resonance optimized shape, belt drive
Speed change:	33 1/3 und 45 rpm (78 rpm optional)		33 1/3 und 45 rpm (78 rpm optional)
Motor drive:	seperately housed synchronous motor in a massive stainless steel cascet case		Three seperately housed synchronous motors in a massive stainless steel cascets, precision controlled through our APG-unit
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze, inverted		polished and hardened steel, polished bearing house, sintered bronze, inverted
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled		GS-PMMA / acrylic, surface CNC-precision drilled
Platter height:	1,2 inch / 30 mm	2,8 inch / 70 mm	2,8 inch / 70 mm
Speed accuracy (measured):	±0,3 %	±0,2 %	±0,1 % (incl. APG motor control unit)
Signal to noise ratio:	82 dB	84 dB	86 dB
Total weight:	ca. 13 kg	ca. 24 kg	ca 32 kg (ohne APG)
Dimensions (W/D/H in inch):	19,7 x 15,7 x 5,5	19,7 x 15,7 x 6,3	19,7 x 15,7 x 7,1
Dimensions (W/D/H in mm):	500 x 400 x 140	500 x 400 x 160	500 x 400 x 180
Manufacturers guarantee*	5 Years	5 Years	10 Years



### Turntables IV

			
Model:	<b>Anniversary</b>	<b>Ambient black series</b>	<b>Ambient</b>
Construction details:	Resonance optimized shape, belt drive	Resonance optimized shape, belt drive Aluminium sandwiched HDF, black piano lacquer	Resonance optimized shape, belt drive Aluminium sandwiched bulletproof plywood
Speed change:	33 1/3 und 45 rpm (78 rpm optional)	33 1/3 und 45 rpm -- 78 rpm	33 1/3 und 45 rpm -- 78 rpm
Motor drive:	seperately housed synchronous motor in a massive stainless steel cascet case	seperately housed synchronous motor, speed rotation fine-adjustable	seperately housed synchronous motor, speed rotation fine-adjustable
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze, inverted	polished and hardened steel, polished bearing house, sintered bronze, inverted	polished and hardened steel, polished bearing house, sintered bronze, inverted
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled	GS-PMMA / acrylic, Surface CNC-precision drilled	GS-PMMA / acrylic, Surface CNC-precision drilled
Platter height:	2,8 inch / 70 mm	1,6 inch / 40 mm	1,6 inch / 40 mm
Speed accuracy (measured):	±0,2 %	±0,1 %	±0,1 %
Signal to noise ratio:	84 dB	84 dB	84 dB
Total weight:	aprox. 23 kg	aprox. 12 kg	aprox. 14 kg
Dimensions (W/D/H in inch):	19,7 x 15,7 x 6,9	21,1 x 13 x 6,1	21,1 x 13 x 6,1
Dimensions (W/D/H in mm):	500 x 400 x 175	535 x 330 x 150	535 x 330 x 150
Manufacturers guarantee*	10 Years	5 Years	5 Years

### Turntables V

			
Model:	<b>Solution AMG Wood</b>	<b>Master Solution AMG Wood</b>	<b>Maximum Solution AMG Wood</b>
Construction details:	Resonance optimized shape, belt drive		Resonance optimized shape, belt drive
Speed change:	33 1/3 und 45 rpm (78 rpm optional)		33 1/3 und 45 rpm (78 rpm optional)
Motor drive:	seperately housed synchronous motor in a massive stainless steel cascet case		seperately housed synchronous motor in a massive stainless steel cascet case
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze, inverted		polished and hardened steel, polished bearing house, sintered bronze, inverted
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled		GS-PMMA / acrylic, Surface CNC-precision drilled
Platter height:	1,2 inch / 30 mm	2,8 inch / 70 mm	2,8 inch / 70 mm
Speed accuracy (measured):	±0,3 %	±0,2 %	±0,1 % (mit APG Motorensteuerung)
Signal to noise ratio:	81 dB	84 dB	84 dB
Total weight:	aprox. 14 kg	aprox. 25 kg	aprox. 34 kg (ohne APG)
Dimensions (W/D/H in inch):	19,7 x 15,7 x 5,5	19,7 x 15,7 x 6,3	19,7 x 15,7 x 7,1
Dimensions (W/D/H in mm):	500 x 400 x 140	500 x 400 x 160	500 x 400 x 180
Manufacturers guarantee*	5 Years	5 Years	10 Years





### Turntables VI

		
Model:	<b>Master Reference</b>	<b>Master Reference AMG wood</b>
Construction details:	Resonance optimized shape, belt drive	Resonance optimized shape, belt drive
Speed change:	33 1/3 rpm -- 45 rpm -- 78 rpm	33 1/3 rpm -- 45 rpm -- 78 rpm
Motor drive:	Three seperately housed synchronous motors in massive stainless steel cascet, precision controlled through our APG-unit	Three seperately housed synchronous motors in massive stainless steel cascet, precision controlled through our APG-unit
Mains bearing:	polished and hardened steel, polished bearing house, sintered bronze, inverted	polished and hardened steel, polished bearing house, sintered bronze, inverted
Platter material:	GS-PMMA / acrylic, Surface CNC-precision drilled	GS-PMMA / acrylic, Surface CNC-precision drilled
Platter height:	3,2 inch / 80 mm	3,2 inch / 80 mm
Speed accuracy (measured):	±0,1 %	±0,1 %
Signal to noise ratio:	88 dB	88 dB
Total weight:	aprox. 50 kg	aprox. 53 kg
Dimensions (W/D/H in inch):	19,7 x 15,7 x 9,4	19,7 x 15,7 x 9,4
Dimensions (W/D/H in mm):	500 x 400 x 240	500 x 400 x 264
Manufacturers guarantee*	10 Years	10 Years





\* only if warranty registration card is correct filled out by owner and send back within mentioned time to clearaudio

# Technical specifications




## Radial designs Satisfy

				
Model:	<b>Satisfy</b>	<b>Satisfy Directwired</b>	<b>Satisfy Carbon Directwire</b>	<b>Satisfy Satiné Directwired</b>
Overhang:	0,68 inch / 17,31 mm	0,68 inch / 17,31 mm	0,68 inch / 17,31 mm	0,68 inch / 17,31 mm
Offset angle:	23 °	23 °	23 °	23 °
Distance from pivot to turntable center:	8,74 inch 222 mm	8,74 inch 222 mm	8,74 inch 222 mm	8,74 inch 222 mm
Weight:	233 g	350 g	340 g	350 g
Dimensions (W/D/H in inch):	11,7 x 3,4 x 5	11,7 x 3,4 x 5	11,7 x 3,4 x 5	11,7 x 3,4 x 5
Dimensions (W/D/H in mm):	296 x 86 x 128	296 x 86 x 128	296 x 86 x 128	296 x 86 x 128
Manufacturers guarantee*:	3 Years	3 Years	3 Years	3 Years




## Radial designs Unify

				
Model:	<b>Unify 9 Zoll</b>	<b>Unify 10 Zoll</b>	<b>Unify 12 Zoll</b>	<b>Unify 14 Zoll</b>
Overhang:	0,68 inch / 17,31 mm	0,61 inch / 15,6 mm	0,49 inch / 12,86 mm	0,47 inch / 11,98 mm
Offset angle:	23 °	20,77 °	17,16 °	16 °
Distance from pivot to turntable center:	8,74 inch 222 mm	9,8 inch 248 mm	12 inch 304 mm	12,9 inch 327 mm
Weight:	778 g	783 g	793 g	803 g
Dimensions (W/D/H in inch):	11,8 x 3 x 4,3	12,8 x 3 x 4,3	13,8 x 3 x 4,3	14,8 x 3 x 4,3
Dimensions (W/D/H in mm):	300 x 76 x 110	325 x 76 x 110	351 x 76 x 110	377 x 76 x 110
Manufacturers guarantee*:	3 Years	3 Years	3 Years	3 Years




## Tangential designs

			
Model:	<b>Tangent</b>	<b>TQ-I</b>	<b>Master TQ-I</b>
Tracking principle:	Tangential	Tangential	Tangential
Construction design:	Pure mechanical movement, sapphire bearing	Pure mechanical movement, ball bearings	Pure mechanical movement, ceramic ball bearings
Weight:	650 g (without tonearm base)	450 g (without tonearm base)	2350 g (without tonearm base)
Dimensions (W/D/H in inch):	9,6 x 3,9 x 3,54	9,9 x 3,8 x 3,7	9,6 x 5,7 x 3,9
Dimensions (W/D/H in mm):	245 x 100 x 90	252 x 97 x 95	244 x 145 x 100
Manufacturers guarantee*:	5 Years	5 Years	10 Years







### MC Cartridges I

			
Model	<b>Goldfinger</b>	<b>Titanium</b>	<b>Stradivari</b>
Total mass:	ca. 16 g	9 g	4,4 g
Frequency response:	20Hz – 100 kHz	20Hz – 100 kHz	20Hz – 100 kHz
Stylus shape:	micro HD	micro HD	micro HD
Cantilever:	Boron	Boron	Boron
Coil assembly:	Absolute symmetrical design	Absolute symmetrical design	Absolute symmetrical design
Coil material:	Gold 24 Ct	Gold 24 Ct	Gold 24 Ct
Compliance:	15/15µmN	15/15µmN	15/15µmN
Recommended tracking force:	2,8 g	2,8 g	2,8 g
Crosstalk:	> 45dB	> 40 dB	> 30 dB
Channel difference:	0 dB	< 0,3 dB	< 0,5 dB
Output voltage:	0,8 mV (at 5 cm/sec)	0,8 mV (at 5 cm/sec)	0,7 mV (at 5 cm/sec)
Coil impedance:	50 Ohm	50 Ohm	50 Ohm
Body material:	Massive Gold 14Kt.	Titanium	Ebony wood







### MC Cartridges II

			
Model	<b>Concerto</b>	<b>Symphony</b>	<b>Melody</b>
Total mass:	4,0 g	4,2 g	4,2 g
Frequency response:	20Hz – 100 kHz	20Hz – 100 kHz	20Hz – 100 kHz
Stylus shape:	micro HD	Trygon PII	Paroc Vital
Cantilever:	Boron	Boron	Aluminium
Coil assembly:	Absolute symmetrical design	Absolute symmetrical design	Absolute symmetrical design
Coil material:	Gold 24 Ct	Gold 24 Ct	Gold 24 Ct
Compliance:	15/15µmN	15/15µmN	15/15µmN
Recommended tracking force:	2,8 g	2,8 g	2,8 g
Crosstalk:	> 30 dB	> 30 dB	> 25 dB
Channel difference:	< 0,5 dB	< 0,5 dB	< 0,5 dB
Output voltage:	0,7 mV (at 5 cm/sec)	0,7 mV (at 5 cm/sec)	0,7 mV (at 5 cm/sec)
Coil impedance:	50 Ohm	50 Ohm	50 Ohm
Body material:	Satiné wood	Ebony wood	Ebony wood

### MM Cartridges I





						
Model:	<b>Maestro</b>	<b>Virtuoso</b>	<b>Beta S</b>			
Frequency response:	20 Hz - 20 kHz	20 Hz - 20 kHz	24 Hz - 20 kHz			
Output voltage:	(1 kHz, 5 cm/s): ~ 3,6 mV	(1 kHz, 5 cm/s): ~ 3,6 mV	(1 kHz, 5 cm/s): ~ 3,6 mV			
Channel separation:	(1 kHz): > 30 dB	(1 kHz): > 30 dB	(1 kHz): > 30 dB			
Channel balance:	(1 kHz): < 0,2 dB	(1 kHz): < 0,2 dB	(1 kHz): < 0,6 dB			
Trackability:	> 90 µm	> 90 µm	> 80 µm			
Recommended tracking force:	2,0 - 2,5 g; 2,2 g	2,0 - 2,5 g; 2,2 g	2,0 - 2,5 g; 2,2 g			
Coil impedance:	(1 kHz): 0,66 kOhm	(1 kHz): 0,66 kOhm	(1 kHz): 0,66 kOhm			
Coil inductivity:	0,42 H	0,42 H	0,42 H			
Loading impedance:	47 kOhm	47 kOhm	51 kOhm			
Loading capacity:	100 pF	100 pF	100 pF			
Cantilever:	Boron	Aluminium	Aluminium			
Weight (Stainless steel):	12,0 g	10,0 g	10,0 g			
Weight (Wood):	7,0 g	6,0 g	6,0 g			

### MM Cartridges II



						
Model:	<b>Beta</b>	<b>Alpha</b>	<b>Classics</b>			
Frequency response:	23 Hz - 20 kHz	22 Hz - 20 kHz	20 Hz - 20 kHz			
Output voltage:	(1 kHz, 5 cm/s): ~ 3,6 mV	(1 kHz, 5 cm/s): ~ 3,6 mV	(1 kHz, 5 cm/s): ~ 3,3 mV			
Channel separation:	(1 kHz): > 24 dB	(1 kHz): > 20 dB	(1 kHz): > 20 dB			
Channel balance:	(1 kHz): < 0,8 dB	(1 kHz): < 1 dB	(1 kHz): < 1,5 dB			
Trackability:	> 80 µm	> 80 µm	> 80 µm			
Recommended tracking force:	2,0 - 2,5 g; 2,2 g	2,0 - 2,5 g; 2,2 g	2,0 - 2,5 g; 2,2 g			
Coil impedance:	(1 kHz): 0,66 kOhm	(1 kHz): 0,66 kOhm	(1 kHz): 0,66 kOhm			
Coil inductivity:	0,42 H	0,42 H	0,42 H			
Loading impedance:	50 kOhm	49 kOhm	48 kOhm			
Loading capacity:	100 pF	100 pF	100 pF			
Cantilever:	Aluminium	Aluminium	Aluminium			
Weight (Stainless steel):	10,0 g	10,0 g	10,0 g			
Weight (Wood):	6,0 g	6,0 g	6,0 g			

# Technical specifications


## Phono Preamplifiers I

				
Model:	<b>smart phono</b>	<b>Basic +</b>	<b>Basic Ltd.</b>	<b>Basic Symmetry</b>
Mode:	MM/MC	MM/MC	MM/MC	only MC-Betrieb
Amplifikation at 1 kHz:	53,6dB (MC) 34,9dB (MM)	60dB (MC) 40dB (MM)	60dB (MC) 40dB (MM)	60dB (MC)
Input impedance:	47kOhm/220pF MM/MC	800Ohm/pF MC 47kOhm/270pF MM	800Ohm/pF MC 47kOhm/270pF MM	560 Ohm/220pF
MM/MC-input:	switchable	switchable	switchable	MC only
RIAA (75µs/318µs/3180µs):	yes	yes	yes	yes
RIAA accuracy:	±0,3 dB	±0,2 dB	±0,2 dB	±0,1 dB
Distortion:	0,004%	0,004%	0,004%	0,004%
Signal to noise ratio:	>68 dB (MC) / >84dB (MM)	>65 dB (MC)	>65 dB (MC)	>80 dB (MC)
Crosstalk:	> 90 dB	> 90 dB	> 90 dB	> 95 dB
Max. output voltage:	11 V (1kHz)	11 V (1kHz)	11 V (1kHz)	11 V (1kHz)
Operation voltage:	±25 V DC	±25 V DC	±25 V DC	±25 V DC
Output connections:	asymmetric (RCA)	asymmetric (RCA)	asymmetric (RCA)	asymmetric (RCA)
Weight:	0,2kg	1,5 kg	1,5 kg	1,8 kg
Dimensions (W/D/H in inch):	2,5 x 2,9 x 1,2	4,0 x 6,5 x 2,4	4,0 x 6,5 x 2,4	4,0 x 6,5 x 2,4
Dimensions (W/D/H in mm):	50 x 74 x 31	102 x 165 x 60	102 x 165 x 60	102 x 165 x 60
Manufacturers guarantee*:	3 Years	3 Years	3 Years	3 Years

## Phono Preamplifiers II

		
Model:	<b>Symphono</b>	<b>Balance</b>
Mode:	MM/MC	MC only
Amplifikation at 1 kHz:	60dB (MC) 40dB (MM)	58dB (MC)
Input impedance:	800Ohm/pF MC 47kOhm/270pF MM	4000Ohm
MM/MC-input:	switchable	MC only
RIAA (75µs/318µs/3180µs):	yes	yes
RIAA accuracy:	±0,1 dB	±0,05 dB
Distortion:	0,004%	0,004%
Signal to noise ratio:	>65 dB (MC)	>80 dB (MC)
Crosstalk:	> 90 dB	> 100 dB
Max. output voltage:	12 V (1kHz)	12 V (1kHz)
Operation voltage:	±25 V DC	2x ±25 V DC
Mains voltage:	115 eiher 230V	115 eiher 230V
Output connections:	symmetric (XLR) and asymmetric (RCA)	symmetric (XLR) and asymmetric (RCA)
Weight:	2 kg	1,6 kg
Dimensions (W/D/H in inch):	5,9 x 6,9 x 2,3	6,9 x 5,2 x 2,4
Dimensions (W/D/H in mm):	150 x 175 x 54	175 x 130 x 60
Manufacturers guarantee*:	2 Years	5 Years

## Phono Preamplifiers III

		
Modell:	<b>Balanced Reference Phonostage</b>	Frequency response:
Power supply:	Dual-power supply with four separate voltages per channel 115/230V switchable	10 Hz – 100 kHz - 0,1 dB - Power supply input: 9-pole SUB-D - Unsymmetric RCA - Symmetric XLR 3-poles or 5-pole- "Binder"
Signal to noise ratio:	95 dB(A) at G = 40 dB; 75 dB(A) at G = 60 dB	Outputs:
Amplifikation at 1 kHz:	Adjustable from 30- 63 dB in 3 dB-steps	- Unsymmetric RCA - Symmetric XLR 3-pole
Maximum output voltage:	11 Vrms	Dimensions (W/D/H in inch):
Distortion:	<0,001%	- aprox. 15 x 8,7 x 2,3 (Phonostage) - aprox. 2,7 x 8,7 x 10,6 (power supply)
Input impedance:	Variable up to 100 kOhm	Weight:
Output impedance:	50 Ohm	- aprox. 3,6 kg ( Phonostage ) - aprox. 3,4 kg ( power supply )
Equalisation:	RIAA-conform, accuracy max. 0,05dB	Manufacturers guarantee*:
		10 Years

## Amplifier



Model:	<b>Balance Preamp</b>
Operation power:	2 x 25 V/DC 24 VA
Mains voltage:	115 V/60 Hz or 230 V/50 Hz
Dimensions (W/D/H in inch):	17 x 3 x 11,6
Dimensions (W/D/H in mm):	435 x 75 x 295
Weight:	7 kg
Inputs:	- 1 x stereo symmetric (Neutrik XLR) - 3 x stereo unsymmetric (MPC-RCA)
Output connections:	- 1 Stereo jacks - Monitor (MPC-RCA jacks) - 2 Stereo-main outputs unsymmetric (1 x normal, 1 x 180° phaseshifted) - 1 Stereo-main output symmetric Neutrik XLR
Signal to noise ratio:	> 100 dB
Voltage gain:	12,3 dB
Input impedance:	10 kOhm/220 pF
Output impedance:	< 100 Ohm
Max. output voltage:	8 Volt eff. unsymmetric
Max. output voltage:	16 Volt eff. symmetric
Manufacturers guarantee*:	5 Years



Model:	<b>Balance Amp</b>
Maximum output power:	2 x 50 W/ 8 Ohm Class A 2 x 94 W/ 4 Ohm Class A
Frequency response:	20 Hz to 20 kHz (- 0,2 dB)
Signal to noise ratio:	100 dB (A)
Distortion:	0,02 % at 1/10 Maximum output power
Input impedance:	unsymmetric und symmetric 10 kOhm
Amplification:	34,4 dB
Input sensitivity:	370 mV for Maximum output
Power consumption:	- 250 W (±5%) at maximum output - 150 W (±5%) nominal
Main voltage:	115 V or 230 V
Dimensions (WxDxH in inch):	17 x 8,7 x 10,6
Dimensions (WxDxH in mm):	435 x 220 x 270
Inputs:	- optional asymmetric (RCA) - or symmetric (XLR), switchable on backpanel
Weight:	30 kg
Manufacturers guarantee*:	5 Years

## Accessories record cleaning machines



Product:	<b>Double Matrix</b>	<b>Matrix</b>	<b>Smart Matrix</b>
Motor current:	800 W	800 W	700 W
Mains voltage:	120 V 60 Hz either 230 V / 50 Hz	120 V 60 Hz either 230 V / 50 Hz	120 V 60 Hz either 230 V / 50 Hz
Weight:	without liquid approx. 26 kg	without liquid 22 kg	without liquid approx. 15 kg
Dimensions (WxDxH in inch)	18,5 x 14,5 x 9,2	18,5 x 14,5 x 8,7	15,7 x 15,0 x 11,4
Dimensions (WxDxH in mm)	470 x 370 x 235	470 x 370 x 220	400 x 380 x 240
Manufacturers guarantee*:	3 Years	3 Years	3 Years

## Accessories record reconditioning / Vinyl Doctor



Product:	<b>Vinyl Doctor</b>
Motor current:	60 W
Mains voltage:	230 V / 50 Hz either 120 V / 60 Hz
Weight:	approx. 12 kg
Dimensions (WxDxH in inch)	16,9 x 14,6 x 1,8
Dimensions (WxDxH in mm)	430 x 370 x 45
Manufacturers guarantee*:	5 Years



# clearaudio – the company

## Stairway to heaven

Visionary dreams to come true is the motivation since 30 years of producing pure analogue equipment with craftsmanship in Erlangen. Music is one of the most magnificent forms of art. We deeply understand this and have realised that only the combination of the finest works of design and engineering, true craftsmanship in manufacturing, and our heart-felt devotion to achieving the best have enabled us to reach our goals.

We can honestly point out that you get high-end solutions in all categories of aesthetics, function, quality and service. Doing this is not a "conditio sine qua non" and therefore we are able to realise all actual new technologies, we won't follow trends without improving upon them, we never accept the limitations and apparent truths of audio physics without verification through the human ear. Symbiosis of engineering, hearing and manufacturing is the fruit of our passion. Music is your passion and to help you realise this with all power and energy of clearaudio is our obsession.

# clearaudio – the company

## Location / the team

How to realise all these opinions you read in our brochure? Our location in Erlangen has a very long lasting tradition both in science and research. Erlangen is home to the well-known university, the Fraunhofer institute, as well as the Max-Planck-Institute and the Siemens research centre. All these highly acclaimed institutes are working hard in their research of new technologies. Alongside these institutes clearaudio engineers and specialists are researching scientifically ways to reach higher standards for the enjoyment of human life.

This goal cannot be reached purely by science. Scientific research is a path. You need also love to the detail, aesthetics, creativity and of course, the human being. We are an innovative team with our spirit inspired by music, science and emotion. The pursuit of perfection drives our activity. The love of music is our energy.



## Product development / Innovation

One day we decided to have a complete range of all the necessary things in the reproduction of analogue music. It's one of our ethical decisions to form a company with production independent from the common market, other manufacturers and their trends. Nearly every part is made in our factory at Erlangen. This requires us to have our own engineers, art workers and production methods, enabling us to produce a range from the cartridges to the vinyl-cleaning machines. All this is done with the same innovative design and visionary energy needed to continually listen to, test and measure our results both acoustically and technically before moving on to producing a constant quality in series production.

For our whole product range we had to design new measurement techniques and equipment to our standards, high above the average. Consequently we are able to offer one of the best reference quality phono-stages ever, all produced in our factory. Be assured that we are continually doing all that is possible to surpass the standards, not to overhaul old techniques and follow trends. For every component designed by clearaudio we guarantee you top-class high-end quality that is built to last.



# clearaudio – the company

## Quality management / Markets

Manufacturing in our factory provides some typical demands:

- Most partners for out-sourced parts are located and certified in Germany to the highest standards
- Permanent quality control during the complete production process means documentation of individual product test results
- Original high quality spare parts are available for 25 years
- This selfless service and freedom from outside influence provides a stability and reliability treasured by clients in more than 70 countries all over the world
- Clearaudio's products fulfill international standards such as EMV, CE and UL, ensuring compatibility with the standards of foreign countries.

The tendency toward a worldwide revival in all analogue regions and products is alive and growing. That's why we love analogue because it's the birthplace of music.



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