

clearaudio

Moving Coil V2



Loving music

User manual
Bedienungsanleitung



**Pic. similar /
Abb. ähnlich**



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Dear **Clearaudio** customer

Thank you for choosing a high quality audio product from **Clearaudio electronic GmbH**.

Clearaudio's MC cartridges are designed and meticulously handcrafted in Germany to deliver excellence in sound. Our ongoing research and development ensures that they remain at the leading edge of analogue engineering.

The V2 edition from the Talismann V2 Gold to Goldfinger Statement cartridge features:

- An optimized magnet arrangement that increases the dynamic range by 30%.
- A generator that is mechanically, magnetically and electrically completely symmetrical.
- Lower-mass moving parts, due to the latest manufacturing technology in cartridge construction.

Please note:

This user manual gives you valuable information for the correct installation of your cartridge. For fine adjustment, however, we can only provide general guidelines, since optimal adjustment will depend on your specific tonearm and turntable.

We wish you much musical enjoyment with your new MC cartridge.

Clearaudio electronic GmbH

CAUTION:

NOT SUITABLE FOR SHELLAC RECORDS (78rpm).

This phono cartridge is only for mounting on tonearms and must not be used for other purposes.



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1. Included accessories

- Allen key 2mm
- Cartridge mounting screws
 - Talismann V2 Gold: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 8mm;
 - Concerto V2: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 10mm;
 - Stradivari V2: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 10mm;
 - da Vinci V2: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 10mm;
 - Titanium V2: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 10mm;
 - Goldfinger Statement: 2 pcs. M2,5 x 6mm; 2 pcs. M2,5 x 12mm (gold)
- **Clearaudio Stylus Gauge** (Art. No. AC094)
- Gold Pins 4 pcs. (only with Da Vinci V2 - Goldfinger Statement)
- User manual
- Warranty card
- Return delivery note

Additional analogue accessories are available at: www.analogshop.de.

The following are recommended:

- **Clearaudio Test Record** (Art. No. LP43033)
- **Clearaudio Break-In Test Record** (Art. No. BIN070904)
- **Clearaudio Setting Template** (Art. No. AC005/IEC)
- **Clearaudio Weight Watcher touch** (Art. No. AC163)
- **Clearaudio Elixir of Sound** (Art. No. AC003)
- **Clearaudio Diamond cleaner brush** (Art. No. AC014)

2. Mounting procedure

Take the cartridge out of the packaging. To avoid damage, we recommend leaving the stylus guard on the cartridge while mounting the cartridge onto the tonearm.

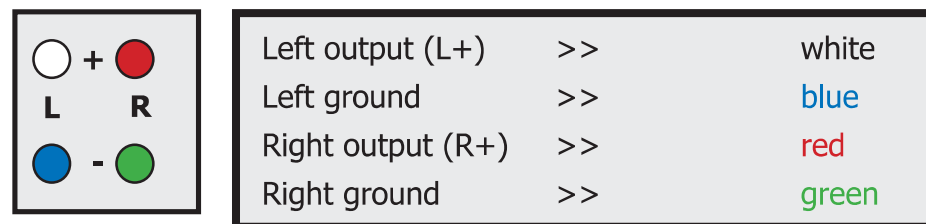
Use the screws provided to mount your **Clearaudio** MC cartridge (the cartridge threads in the body comply with the metric standard for M 2.5mm screws and have the standard spacing of 12.7mm).

Be careful not to over-tighten the screws as they may strip the threaded holes.

Now connect the pins of your **Clearaudio** cartridge to the jacks of the headshell or tonearm cable, taking care not to use too much force.

If necessary, you can use suitable precision pliers or tweezers for assistance.

Please note the colour coding below in order to ensure the correct phase in music playback, otherwise an audible sound deterioration would result.



Pic. 1: Colour marking of the signal pins

We recommend the following order of assembly:

- 1. Mount the MC cartridge into the tonearm.**
- 2. Connect the tonearm or turntable ground with the preamplifier ground (before plugging in the electrical power supply).**
- 3. Plug the tonearm cable into the phono inputs of your preamplifier.**
- 4. Turn down the volume control to a minimum position (position 0).**
- 5. Plug the mains power cord into your electrical power supply.**

Our tip for mounting the cartridge:

Choose a bright workplace and good tools, and take your time so you can concentrate.

3. Adjustment of the tracking force

Carefully remove the stylus guard from the cartridge by grasping it with your thumb and forefinger and gently pulling it forward.

The correct tracking force of your cartridge can be found in the technical data in this user manual. Please only use these values, since if the tracking force is too light (1g or less) the cartridge could jump out of the record groove and damage the needle.

However, you should never set a tracking force of more than 5g as this could cause damage to the diamond and thus to the cartridge.

In the event that it is not possible to set the optimal tracking force due the cartridge being too light, you should use a spacer plate available from your **Clearaudio** importer/dealer.

Further valuable information for the correct adjustment of your cartridge can be found in the respective user manual of the turntable and/or tonearm manufacturer.

4. Special instructions

- Before playing a record, please remove all dust and dirt from the record's surface using a quality cleaning device. For the best results, a record cleaning machine should be used.
Ask your dealer about **Clearaudio's** record cleaning machines.
- Always keep the stylus tip clean. When dirt is allowed to build up and records are played with a dirty or clogged stylus, a buzzing noise may be heard. Use a soft brush or a high quality cleaning brush or **Clearaudio** cleaning fluid (Art. No. AC003) to clean the stylus tip. Be extremely careful and always brush only from back to front. When using a liquid e.g. from **Clearaudio** or other organic cleaner, always take care not to spill any on the cartridge body. Make sure the liquid only contacts the stylus tip or boron cantilever. Avoid storing the cartridge near devices with electrical transformers and motors that can generate magnetic fields. Any demagnetization could lead to a loss of the output voltage and thus to a distortion or deterioration of the sound.
- **Please note:**
Never disconnect your tonearm cable from your pre-amplifier while your unit is still on. Please switch your pre-amplifier off before starting to disconnecting your tonearm connectors from the phono inputs of your pre-amplifier.
- Always use the original packaging when shipping the cartridge and secure the stylus guard with a rubber band.
- If any service or repair to a **Clearaudio** product is necessary, please contact your dealer / distributor.
We can advise you of your nearest service location.

Important - please note:

Do not try to remove the stylus assembly yourself.
Please contact your dealer / distributor.

Any damage caused by failure to follow the advice given in the **Clearaudio** user manual will invalidate the product warranty.
Clearaudio will assume no liability for any such damage.

PLEASE RETAIN ALL ORIGINAL PACKAGING.

You will need it if this unit has to be transported and/or shipped.
Any further questions you may have about your product should be directed to your dealer or distributor.

Clearaudio wish you a much enjoyment of your music!

5. Technical data

	<i>Talismann V2 Gold</i>	<i>Concerto V2</i>	<i>Stradivari V2</i>	
Total mass:	10.6 - 11.2g	7.0g	7.0g	
Frequency response:	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz	
Output voltage (at 5 cm/sec):	0.5mV	0.5mV	0.5mV	
Channel separation:	25 - 30dB	25 - 30dB	25 - 30dB	
Channel balance:	< 0.5dB	< 0.5dB	< 0.5dB	
Tracking ability:	80µm	80µm	80µm	
Recommended tracking force:	2.8g (± 0.2g)	2.8g (± 0.2g)	2.8g (± 0.2g)	
Cartridge impedance:	50Ω	50Ω	50Ω	
Cantilever / stylus shape:	Boron / Clearaudio Prime Line	Boron / Clearaudio Prime Line	Boron / Clearaudio Prime Line	
Compliance:	15µ/mN	15µ/mN	15µ/mN	
Coil assembly:	Absolutely symmetrical design	Absolutely symmetrical design	Absolutely symmetrical design	
Coil material:	24 carat gold	24 carat gold	24 carat gold	
Cartridge body:	Hand polished ebony wood body	Satiné wood	Ebony wood	
Manufacturer's warranty:	2 years*	2 years*	2 years*	

* Provided that the warranty card is correctly completed and returned to **Clearaudio**, or your product is registered online at <https://clearaudio.de/en/service/registration.php>, within 14 days of purchase.

	<i>da Vinci V2</i>	<i>Titanium V2</i>	<i>Goldfinger Statement</i>
	6.8g	10.0g	~ 15.0g (± 2g)
	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
	0.5mV	0.5mV	0.5 - 0.6mV
	25 - 30dB	> 30dB	> 32dB
	< 0.5dB	< 0.3dB	< 0.2dB
	80µm	90µm	90µm
	2.8g (± 0.2g)	2.8g (± 0.2g)	2.8g (± 0.2g)
	50Ω	50Ω	50Ω
	Boron / Clearaudio Prime Line	Boron / Clearaudio Prime Line	Boron / Clearaudio Prime Line
	15µ/mN	15µ/mN	15µ/mN
	Absolutely symmetrical design	Absolutely symmetrical design	Absolutely symmetrical design
	24 carat gold	24 carat gold	24 carat gold
	Aluminium with 30 micron ceramic coating	Titanium	14 carat gold
	2 years*	2 years*	2 years*