

Jubilee MC



Loving music

User manual
Bedienungsanleitung



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Dear audio enthusiast,

Thank you and welcome to the new Generation of **Clearaudio** MC cartridges.

You have purchased a product of truly high-end-class with new design features never done before.

Clearaudio MC cartridges represent top quality of German craftsmanship and their superior quality has been proved and documented in numerous reviews world wide over almost 3 decades. Starting at the source, the reproduction via vinyl, we can assure you flawless musical satisfaction which is a basic feeling for those who love music as we do.

On the occasion of **Clearaudios** 40th anniversary presents the new phono cartridges *Jubilee MC*.

For the first time we succeeded to use the material of panzerholz for phono cartridges bodies.

Afterwards these bodies are being treated from Franconian violine manufacturers.

During a unique selection process, both phono cartridges set a new standard in their price range.

A reason to celebrate!

The **Clearaudio** design guarantees superb linearity in phase response. Because of the patented location of the micro gold coils within the magnet assembly, the vibrating elements are always in precision perfect balance. This configuration ensures a symmetrical distribution of the mass of the cantilever/coil assembly.

Please note:

This user manual provide valuable advice for the correct installation of your new **Clearaudio** pick-up cartridge. For the fine adjustment however they can only be taken as approximate values and give only a nearly indication since optimum adjustment will depend to a large extent on the quality of your record player or tonearm and the data given in the operating instructions of them.

To ensure complete and accurate installation you should use the available support from your dealer.

Followed supporting devices are recommended:

- **Clearaudio** *Test record* (Art. No. LP43033)
- **Clearaudio** *Break-In Testrecord* (Art. No. BIN070904)
- **Clearaudio** Setting template (Art. No. AC005/IEC).
- Adjusting mirror or the **Clearaudio** *Azimuth Optimizer* (Art. No. EL020)
- **Clearaudio** *Stylus gauge* (Art. No. AC094)

Your dealer will be glad to give you any further support, because he keeps all precision accessories from **Clearaudio** given for precise adjustments. All accessories are also available under: www.analogshop.de.

You now own a fine, scientific instrument.

We congratulate you having done an excellent choice for authentic reproduction of music.

Clearaudio electronic GmbH



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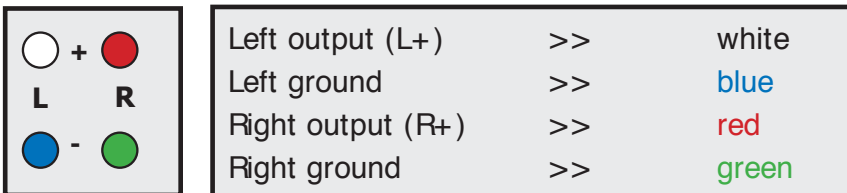
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1. Mounting Procedure

1. Always handle your cartridge with the protective stylus guard in place.
2. Align the mounting holes of the headshell or tonearm with the holes in the cartridge.
3. Attach tonearm wires to cartridge pins, being careful not to add too much force. Also be sure proper channel and polarity is maintained.
4. Insert the screws through the headshell holes and engage them to the inner threads of the cartridge body. Please take care to not overtight them by force.

NOTE: Always try to use **Clearaudio** cartridge gold clips or damage may result on cartridge pins.



Pic. 1: Color marking of the signalpins

5. Mount the headshell onto the tonearm (if not intergrated), and adjust the overhang as per tonearm manufacturer's specifications and tighten cartridge mounting screws fully with the accessory screwdriver.

Take care that the cartridge is sitting flat and have a full contact to the headshell.

Please read these instructions carefully before attempting to connect or install your MC cartridge to avoid any loss of warranty. There is a very high possibility of damaging your moving coil cartridge, while connecting or disconnecting to a preamplifier or phono stage which is not properly grounded.

If the ground of your preamplifier and ground of your tonearm and turntable are not connected together, there could be a dangerous situation for your MC cartridge (which will be not covered under warranty). Under such conditions during the procedure of your tonearm first cable connecting to your preamplifier, there could be a high hum voltage of up to 150 V 150 Hz respectively 80 V 160 Hz present! (Depending on preamplifier-circuit design!) High current which could flow through your MC cartridge during the plug in procedure could result in damaging and melting very fine MC Coil gold wires.

This would be not covered by **Clearaudio** warranty! Therefore, be careful and follow instructions below:

1. **Connect tonearm turntable ground with preamplifier ground (before plugging in the electrical power supply)**
2. **Mount MC cartridge into the tonearm**
3. **First plug the tonearm cable into the phono inputs an your preamplifier**
4. **Preamplifier volume control must be placed fully down (position „ 0 „)**
5. **Plug the main power cord into your electrical power supply**
6. **Switch „ ON „your preamplifier**
7. **Your MC-Cartridge is ready to play!**

Keep cool and concentrated when adjusting the cartridge.

Damaged music reproduction or cartridge fault will never reproduce the one we love: music

ATTENTION:
NOT FOR SHELLAC (78RPM) RECORDS SUITABLE!



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2. Adjusting the Tracking Force

Carefully remove the stylus protection guard. This can be done by grasping it from the rear with thumb and index finger and pulling it rearward gently. The correct tracking force is approximately 2.8g. Please use only these values, as a light tracking force (1 gram or less) would allow the stylus to jump an the record grooves will cause damage. **NEVER exceed 5 grams tracking force** or damage to stylus or cartridge may result.

If optimum tracking force cannot be set because the cartridge is too light for the arm, please use **Clearaudio** headshell spacers, available from the importer / dealer.

3. Other adjustments

1. The correct position of the cartridge (overhang setting) depends of the length and shape of the tonearm and of the mounting point of the tonearm bearing. For precise setting you need a setting template, which is usually supplied or offered by the manufacturer of the respective turntable or tonearm. Often quite inaccurate paper- or plastic templates are attached, which do not allow precise adjustments due to the material. Special overhang templates are available through your local dealer or from **Clearaudio** (Art. No. AC005/IEC).
2. The distance between the lower edge of the cartridge when lowered to the record surface should be 0.8mm.
3. Please adjust the tracking force. To check the adjustment (trackability) you can use a test records which is available through you dealer (for example **Clearaudio** Art. No. LPT83063).
4. Setting the Anti-skating: Many tonearms have a device to compensate the anti-skating force. Please proceed according to the user manual of your tonearm manufacturer. For absolutely correct setting we would also like to recommend a test record.

4. Delivered accessories

- Four of the **Clearaudio** original GOLD MC cartridge plugs
- Allen key
- Individual real time response curve according **Clearaudio** original test
- Cartridge mounting screws
- **Clearaudio** smart gauge, for the tracking force adjustment

Analogue accessories are available at: www.analogshop.de

5. Special instructions

5.1 Maintenance

- 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“ can be heard. Use a high quality cleaning brush or **Clearaudio** cleaning fluid to clean the stylus tip. Be extremely careful and always brush only from the 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 will always contact only the stylus tip or boron cantilever.
- Before playing a record, please remove all dust and dirt from the record surface using a quality cleaning device. For the best results, a record cleaning machine should be used. Ask your dealer for **Clearaudio's** Matrix-cleaning machines. (e.g. *Smart Matrix Professional*, *Double Matrix Professional Sonic*, cleaning both sides of LP-record at once!)
- Always avoid storing your cartridge near any objects using electrical transformers and motors, which may generate magnetic fields. Any demagnetisation contact will result in a drop of output voltage and possible case of distortion or degradation.
- Every new generation **Clearaudio** MC cartridge consists of 8 very powerful magnets, the *Goldfinger Statement* cartridge consists of 12 magnets (currently the most powerful magnets available in this size), therefore use extreme care and not to use any steel or magnetic parts near the cartridge, which may be attracted to it and possibly damage the stylus or boron cantilever.
- Please note:
Never disconnect your tonearm cable from your preamplifier, while your unit is still „ON“. Please switch your preamplifier „OFF“, before starting to disconnect your tonearm connectors from the phono inputs of your preamplifier.

5.2 Service

If any service or repair on all **Clearaudio** products is necessary, please contact your dealer / distributor or contact **Clearaudio** directly. We can inform you as well about your nearest service location.

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 this turntable should be directed to the distributor or directly to **Clearaudio**.



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6. Technical data

Total mass:	7.4g
Frequency response:	20Hz - 100kHz
Output voltage at 5cm/ sec:	0.6mV
Channel separation:	> 30dB
Channel balance:	< 0.5dB
Tracking ability:	80µm
Recommended tracking force:	2.8g (± 0.2g)
Cartridge impedance:	50Ω
Cantilever / stylus shape:	Boron / Gyger S double polished
Compliance:	15µ/mN
Coil assembly:	Absolutely symmetrical design
Coil material:	24 carat gold
Cartridge body:	Bullet proof wood
Manufacturer's warranty* :	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.

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