

# Clearaudio Concept MM/MC Package Instructions

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Clearaudio Concept MM/MC Package



### **Product Information**

### **Specifications:**

• Product Name: Concept MM/MC Package

• Origin: Made in Germany

- Tracking Force for MM Cartridges: 2.4 gr. (+/- 0.2 gr.)

• Tracking Force for MC Cartridges: 2.2 gr. (+/- 0.2 gr.)

### **Product Usage Instructions**

### **Adjusting Antiskating:**

- 1. Ensure the tonearm is set with the correct tracking force as per the specifications.
- 2. Locate the screw for anti-skating adjustment on the bottom of the concept.
- 3. Turn the screw to adjust the anti-skating:
  - Turn clockwise (max. 5 turns) = stronger anti-skating
  - Turn counterclockwise (max. 5 turns) = weaker anti-skating
  - Adjust by 2 turns for tracking force 2.2 gr. (for MC) or by 1 turn for tracking force 2.4 gr. (for MM).
- 4. For precise adjustment, consider using the Clearaudio Test Record (LPT43039).
- 5. If you encounter difficulties, contact your retailer or Clearaudio directly.

We wish you an enjoyable music-listening experience!

#### FAQ:

Q: What should I do if I have never adjusted the anti-skating before?

A: If you are unsure or inexperienced in adjusting anti-skating, it is recommended to consult your dealer before attempting any adjustments to avoid potential damages.

• Q: Where can I purchase the Clearaudio Test Record for anti-skating adjustment?

A: The Clearaudio Test Record (LPT43039) can be obtained from www.analogshop.de or through your dealer.

#### Dear Clearaudio customer,

- Thank you for purchasing the Clearaudio concept turntable package.
- The Clearaudio concept is equipped with either the innovative concept tonearm or our award-winning, directwired Satisfy Kardan Aluminium tonearm.
- A high-quality moving magnet or moving coil cartridge completes the package.
- All parameters have been pre-adjusted at the Clearaudio factory, including the tracking and anti-skating force.
- Please read the instruction manual for easy setup and to discover how to care for your concept turntable to
  enjoy music for many years. Follow the instructions carefully to avoid any potential damage. Not following our
  instructions could void your warranty.

We wish you a great musical experience with your new Clearaudio concept turntable.

#### Clearaudio electronic GmbH

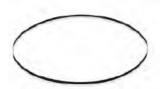
Matching accessories from Clearaudio:



Dustcover for *concept* turntable (Art. No. AC120)

concept clamp (Art. No. AC122)





Replacement belt for *concept* turntable (Art. No. AC123)

You can find these and many other accessories in the Clearaudio online shop ( <a href="www.analogshop.de">www.analogshop.de</a>) or through your Clearaudio dealer.

### Safety instructions

#### 1. General information

- Check the turntable for any damage before using it. Do not connect the turntable if damaged!
- Never connect the turntable if it has been dropped or gotten wet, contact your dealer to have the turntable checked. Never expose the turntable to rain or moisture.
- Never touch the power cord of the device with wet hands.
- Regular visual inspections for defective insulation on the connection cable are also recommended for your safety. A damaged cable should be replaced immediately by a specialist!
- Never pull on the power cord to unplug the device. Always pull directly on the plug!

- The inside of the turntable is maintenance-free. Never open the case or attempt to repair the unit yourself, since this can lead to loss of warranty!
- We recommend disconnecting the power supply from the mains if you do not operate the device for a longer period of time.
- The turntable does not feature an automatic shut-off mechanism.
- Therefore, as soon as the stylus has reached the run-out groove, engage the tonearm lift and switch the turntable off.
- Not suitable for children! The scope of delivery may contain small parts that can be swallowed.

#### 2. Intended use

- The concept is a turntable for playing records.
- The intended use of the concept is by the information provided in the user manual only.
- The power supply may only be operated with maximum permissible connection values according to the technical data. Any other use or modification of this product is not intended.

#### 3. Location of installation

- · Avoid locations with direct sunlight, temperature fluctuations, and high humidity.
- Likewise, avoid placing electronic devices near heaters, heat lamps, or other devices that produce heat.
- The device is designed for operation at room temperature.
- No objects with an open flame may be placed on or near the device (burning candles or similar).

#### 4. Overload

The product is designed to comply with all necessary safety regulations. However, you should not leave the device unattended under extreme loads.

#### 5. Maintenance

Never use aggressive cleaning detergent.

- Do not use dry cloths for cleaning as this generates static electricity. Suitable cleaning and care products from Clearaudio are available from www.analogshop.de or from specialist retailers.
- The bearing of the turntable platter can be lubricated every 2 years with the oil provided.
- Put 1 or 2 drops of the oil into the bearing for lubrication.

#### 6. Health information

Permanently high volume can lead to various types of hearing damage. Use high volume responsibly!

#### 7. Service

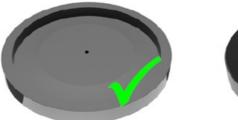
The concept turntable should be repaired during the guarantee period by the manufacturer only, otherwise the warranty claim expires. All Clearaudio products should only be serviced by specialist retailers.

• If, despite the high production standard, a service is necessary, the concept turntable must be sent to Clearaudio through your dealer.

### 8. Transport

- Use the original packing material for further transportation of the concept turntable, otherwise serious damage could occur.
- Be sure to pack the device exactly as it was shipped.
- Safe transport is only guaranteed in the original packaging.
- Proceed in reverse as described for assembly when packing.
- Always remove the turntable platter and replace the foam securing the sub-platter as well as the tape securing the tonearm and the cartridge stylus protection. Otherwise, serious damage can occur.
- Please also ensure that you fully retract the turntable feet.

• For any transportation of the concept turntable, please ensure that the platter is packed with the upper surface facing downwards into the packaging.





• Clearaudio assumes no liability for any damage that may occur due to incorrect packing.

### 9. Disposal

• Do not dispose of this product together with other waste. WEEE Reg. No.: DE26004446



### 10. CE Marking

This electronic product corresponds to the applicable guidelines for obtaining the CE mark.



### Packaging overview

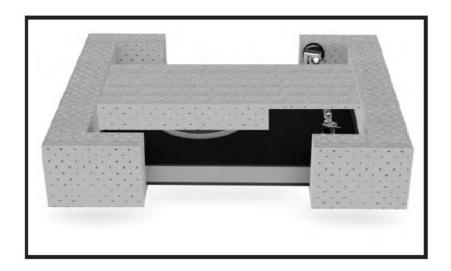
- The Clearaudio concept turntable is delivered in a customized packing to ensure its safe transport. Please retain the original packaging for any future transportation and shipping.
- Please see the list below to check the contents of your Clearaudio concept turntable.

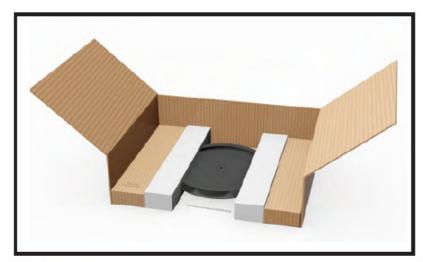
### First layer:

concept turntable chassis including integrated motor unit and tonearm with cartridge.

### Second layer:

Turntable platter, accessories box, user manual, Clearaudio return delivery note, warranty card





Pic. 1: Packaging overview

### List of components

- 1. Turntable chassis with tonearm, cartridge, and drive belt on sub-platter.
- 2. Turntable platter.
- 3. **Accessories:** Level gauge, hex wrench (size 2), power supply incl. adapter, bearing oil, user manual, Clearaudio return delivery note, warranty card.

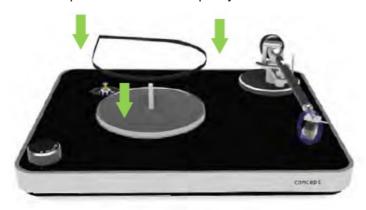
### Set-up

- Setting up the concept turntable is easy. The turntable chassis, tonearm, and cartridge are already assembled and all key parameters have been pre-adjusted and tested at the Clearaudio factory.
- The concept turntable needs a set-up space of at least 17 x 14 inches.
- 1. First, take the concept turntable chassis out of the package and place it on a suitable surface. Then remove the drive belt from the plastic bag.



Pic. 2: Placing the turntable

2. Place the drive belt around the sub-platter and the motor pulley.



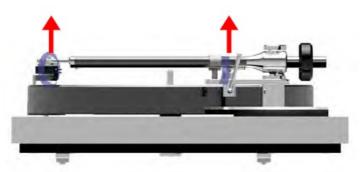
Pic. 3: Mounting the drive belt

3. Take the platter out of the package and carefully place it with both hands onto the shaft. Make sure that the hollowed side faces down towards the subplatter.



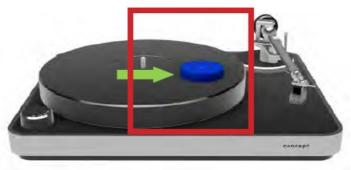
Pic. 4: Placing the platter

4. Carefully remove the adhesive security tape and other security materials from the tonearm and the cartridge.



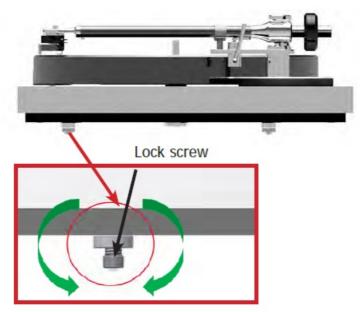
Pic. 5: Removing the adhesive security tape

5. Please level the turntable using the level gauge provided. All key parameters have been adjusted at the Clearaudio factory.



Pic. 6: Levelling the turntable

6. If the bubble of the level gauge is not centered within the black circle, please turn the turntable feet clockwise or anti-clockwise until you reach the perfectly leveled position. You will only get the best sound from your concept turntable if the turntable is perfectly leveled.



Pic. 7: Adjustment of the turntable feet

7. Connect one end of the external power supply provided to the socket on the rear of the concept turntable and the other end to a live AC outlet. Then connect the tonearm cable to your phono stage (red plug = right channel, black plug = left channel).



• Your concept turntable is now completely assembled and ready to play.

Clearaudio wishes you a lot of pleasure with your new concept turntable.

### Important notes

### Adjustment of the tracking force

Never check or adjust the tracking force when there is a record on the platter. Always remove the record first. The pre-adjusted and recommended tracking force for the Clearaudio concept MM cartridge is 2.2g (± 0.3g) and for the Clearaudio concept mc cartridge is 2.2g (± 0.2g).

### Adjustment of the tonearm height

Since everything on the turntable is pre-assembled and tested, including the tonearm and cartridge, there is usually no need to change any parameters on the concept turntable. If you wish to change the height of your tonearm, please refer to your nearest qualified dealer or service personnel. Your dealer can make the height adjustment by loosening the locking screw on the side of the tonearm base of your turntable.



Pic. 9: Adjustment of the tonearm height

Clearaudio assumes no liability for incorrect handling or any damage caused if non-qualified persons attempt these adjustments.

### Adjustment of the anti-skating force

- Again, since everything on the turntable is pre-assembled and tested, including the tonearm and cartridge, there is usually no need to change any of the concept turntable parameters.
- If you wish to change your cartridge and adjust the anti-skating force, please refer to your nearest qualified dealer or service personnel.
- Your dealer will find the anti-skating adjuster on the underside of the turntable.



Pic. 10: Adjustment of the anti-skating

Clearaudio assumes no liability for incorrect handling or any damage caused if non-qualified persons attempt the above adjustments.

### Fine speed adjustment

- There is no need to check the speed before using the turntable for the first time as the motor adjustment is already pre-set at the factory.
- We recommend the Clearaudio Stroboscope Test record (Art. No. AC038) and the Clearaudio "Speed Light"
   (Art. No. AC039, both available at <a href="www.analogshop.de">www.analogshop.de</a>) to adjust the speed as perfectly and precisely as possible.
- On the rear side of your turntable (close to the power supply input), there are three speed setting controls:
  - Left control = setting 78rpm
  - Middle control = setting 45rpm
  - Right control = setting 33 1/3rpm (near power supply jack)



Pic. 11: Speed setting controls on the rear

# **Troubleshooting**

- If you have a problem with your concept turntable, first check the possible causes to rule out incorrect operation.
- If the error persists, please contact your dealer!

## Never try to open the device and/or repair it yourself, this will void the warranty!

Error	Cause	Measure
The device does n ot work	Is the power cord plugged in?	Check the connection.
No sound	The tonearm and phono stages ar e not properly connected.	Check the cable connection between the tonearm a nd the phono stage.
	Is the amp turned on?	Check the power supply to the amplifier.
	The volume on the amplifier/louds peaker is set too low or on "mute".	Check the volume settings.
	Is the cartridge protective cap still attached?	Remove the cartridge's protective cap.
	Is the tonearm in the raised position?	Lower the tonearm into the lead-in groove.
	Is the stylus damaged?	Check the stylus and have the cartridge checked by a specialist if necessary.
Bad sound/noise	Is the record or the stylus dirty or damaged?	Clean the record / or the cartridge. <b>Clearaudio</b> offer s many helpful accessories for care and cleaning. In the event of damage, we recommend an assessment by a specialist and, if necessary, an exchange.
	Is the cartridge properly mounted i nto the tonearm?	Check the installation using the relevant user manual and correct them if necessary.
	Has the tracking force been set to o high?	Adjust the tracking force.
	Is the correct operating mode (MM / MC) set on the amplifier?	Check the settings of your phono stage.
	The pre/amp does not have enoug h gain.	Check the settings of your phono stage.
	The pre/amp is mismatched.	Swap the plugs of the turntable that are connected to the left and right outputs.

Needle bounces or slides across the re cord	Is the record or the stylus dirty or damaged?	Clean the record / or the cartridge. <b>Clearaudio</b> offer s many helpful accessories for care and cleaning. In the event of damage, we recommend an assessment by a specialist and, if necessary, an exchange.
	Has the tracking force been set to o high?	Adjust the tracking force.
	Is the record deformed or scratch ed?	Use a record clamp or replace the record.
	Is the turntable level?	Check the alignment of the turntable and adjust if necessary.
Platter does not tur n	Is the drive belt properly attached ?	Check the position of the drive belt.
	Is the power cord connected prop erly?	Check the connection.
	No speed was selected / speed s election in position "0"/"OFF".	Select a speed and start the turntable.
Noisy sound	Is the drive belt properly attached	Check the position of the drive belt.
-	?	Is it too loose and needs to be changed?
Humming noises	Contact problems with the signal connections (e.g. cinch plugs, ada pters for extensions)	Check all connections; reduce the level on the (pre-) amplifier to a low volume for acoustic checking of gr oss errors.
	Metal housing acts as an antenna and catches hum.	It can be helpful for conductivity to connect the meta I parts of the turntable to the ground of the (phono) p reamplifier. The turntable provides a grounding term inal for this purpose. Use a sufficiently thick wire to establish the ground connection.
	The pickup pins are mixed up, not connected correctly, or defective.	Check the pin assignment of the pickup.
The music doesn't sound like usual	The wrong speed was selected.	Check the record for the recommended speed.
		There are also records in LP format (30 cm) that have to be played at 45 rpm ("maxi-singles") and small records in a single format (17 cm) that have to be played at 33 rpm (so-called "EP's").
	The turntable is spinning too fast/t oo slow.	Adjust the speed according to the operating instructions.

# **Technical data**

Construction details:	Resonance-optimized turntable; chassis comprises medium-density wood fiber (silver/black) or pressure-formed solid wood (wood/dark wood); the upper layer incorporates a high-tech stained plastic compound.	
Speed options:	33 1/3, 45, 78rpm	
Drive unit:	Decoupled and resonance-damped 12V DC motor, flat belt drive, and plug-in power su pply unit, designed for worldwide use with all networks and power frequencies.	
Bearing:	Polished and tempered steel spindle in a sintered bronze housing, running on a Teflon thrust pad.	
Platter:	30mm/1.18-inch main platter, made out of synthetic material with high-density and exc ellent dimension/precision CNC machined aluminum sub-platter.	
Speed accuracy (me asured):	± 0.05%	
Power consumption:	Max. consumption: 2.5 watts // Consumption in operation: 0.5 watts // Off mode: 0.0 watts	
Total weight:	Approx. 7.5kg (incl. tonearm and cartridge)	
Dimensions (W/D/H):	Approx. 16.54 x 13.78 x 4.92 inches (with tonearm)	
Dimensions (W/D/H):	Approx. 420 x 350 x 125mm (with tonearm)	
Manufacturer's warr anty:	2 years*	

Tonearm	Concept	Satisfy Kardan
Construction details:	Radial tonearm, with friction-free magnetic bearing technology.	Radial tonearm, with magnetic anti-skatin g.
Material:	Aluminium (silver), tonearm tube made of black aluminium.	Aluminum (black/silver), stainless steel, to nearm tube made of aluminum (black/silver) or carbon (silver).
Cartridge balance ra nge:	2.5g – 17.0g	2.5g – 17.0g
Overhang:	17.56mm	17.12mm
Total length:	305.00mm	305.00mm
Effective length:	239.56mm	239.12mm
Mounting distance (t onearm pivot to spin dle):	222.00mm	222.00mm
Offset angle:	24.16°	24.02°
Wiring:	1.1m <b>Clearaudio</b> Direct Wire PLUS termi nated with RCA.	1.1m <b>Clearaudio</b> Direct Wire PLUS termi nated with RCA.
Weight:	450g (incl. counterweight)	Satisfy Kardan Aluminium: 490g Satisfy K ardan Carbon: 480g
Manufacturer's warr anty:	2 years*	2 years*

Cartridge	Concept MM	Concept mc
Total mass:	8.6g (± 0.2g)	8.0g
Frequency response:	20Hz – 20kHz	20Hz – 20kHz
Output voltage:	~ 3.3mV	0.4mV (at 5cm/sec)
Channel separation:	(1kHz): 20dB	> 28dB
Channel balance:	(1kHz): 2dB	< 0.5dB
Tracking ability:	80µm	80µm
Recommended track ing force:	2.2g (± 0.3g)	2.2g (± 0.2g)
Coil impedance (1kH z):	0.66kΩ	_
Coil inductance:	400mH	_
Load resistance:	47kΩ	11Ω
Load capacitance:	100pF	_
Cantilever:	Aluminium	Boron
Stylus shape:	Elliptical	Micro Line
Compliance:	15μ/mN	9μ/mN
Coil material:	_	OFC – copper
Cartridge body:	Aluminium	Aluminium-magnesium alloy with ceramic surface layer
Manufacturer's warr anty:	2 years*	2 years*

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

The full, extended warranty period for the concept turntable is 2 years. To receive this full Clearaudio warranty, you must either complete and return the relevant section of the warranty registration card to Clearaudio, or register your product online at <a href="https://clearaudio.de/en/service/registration.php">https://clearaudio.de/en/service/registration.php</a>, within 14 days of purchase. Otherwise, only the legal warranty can be considered. The full 2-year warranty can only be honored if the product is returned in its original packing.

### **WARRANTY**

For warranty information, contact your local Clearaudio distributor.

### • RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Clearaudio.

#### IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

#### FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

#### clearaudio electronic GmbH

• Spardorfer Straße 150 91054 Erlangen Germany

• Phone/Tel.: +49 9131 40300 100

• Fax: +49 9131 40300 119

• www.clearaudio.de

• www.analogshop.de

• info@clearaudio.de.



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### **Documents / Resources**



<u>Clearaudio Concept MM/MC Package</u> [pdf] Instructions Concept MMMC Package, MMMC Package, Package

### References

- A clearaudio analogshop
- User Manual

#### Manuals+, Privacy Policy