



Master Innovation

Loving music

User manual



Master Innovation Black

**Picture with:
Clearaudio tonearm „Universal“
and clearaudio cartridge
„Goldfinger Statement“.**



Master Innovation Wood

**Picture with:
Clearaudio tonearm „TT1 MI“
and Clearaudio cartridge
„Goldfinger Statement“.**

Pic. similar

User manual

Dear **Clearaudio** customer,

Congratulations on your purchase of the *Master Innovation* turntable, a world class turntable handmade in Germany by **Clearaudio electronic GmbH**.

The *Master Innovation's* state-of-the-art combination of a no-contact magnetic drive, frictionless Ceramic Magnetic Bearing and self-regulating, sensor-controlled Optical Speed Control guarantees incredible pitch stability and freedom from noise leading to unbelievably realistic musical reproduction.

Its resonance minimizing chassis construction comprises four layers of a complex ‚sandwich‘ of aluminium – Panzerholz bullet-proof wood – aluminium, and includes provision for up to three tonearms, allowing for complete flexibility of tonearm and cartridge.

Please note that this instruction manual contains a brief overview to enable quick and easy setup. A fuller instruction manual will be sent out in due course.

We wish you a great deal of musical enjoyment with your new **Clearaudio** *Master Innovation* turntable.

Clearaudio electronic GmbH



Loving music

User manual



Important Safety Instructions



1. General Information

- Read these instructions and keep them for future reference. Follow all instructions carefully.
- Not suitable for children under 6 years! The product may contain small parts that could be swallowed. Risk of suffocation from plastic films and small parts. Keep plastic films, bags, straps, etc., out of reach of children, as they pose a suffocation hazard. Children may strangle themselves with cables. Keep cables out of reach of children.
- Inspect the device for damage before use. If the device is damaged, do not connect it to the power supply! Repairs or maintenance are required if any damage is detected, such as to the power cable or plug, if liquid or objects have entered the device, if it has been exposed to rain or moisture, is not functioning properly, or has been dropped. Contact your retailer for inspection.
- Manual Operation Required: The turntable does not have an automatic stop function. Once the run-out groove is reached, lift the tonearm from the record using the manual lift and turn off the turntable manually.
- **Specific Instructions for Clearaudio Concept Signature and Celebrity "Al Di Meola" Models:**
Restart: If the device becomes unresponsive, restore normal operation by turning it off and on again using the power switch on the back.

2. Intended Use

The turntable is designed for playing vinyl records. Intended use requires compliance with the operating instructions provided. The power supply must be used only within its specified technical parameters. Any other use or modification of the power supply is considered improper.

3. Installation Location

- Avoid locations with direct sunlight, temperature fluctuations, or high humidity. Do not place the device near heaters, heat lamps, or other devices that generate heat. The turntable is intended for use in heated rooms and should only be placed on flat surfaces.
- Never block ventilation slots or cover the device with fabric or similar materials. Do not place objects on top of the device.
- Installing the device in closed cabinets or similar furniture is not permitted.
- Choose a location near a wall outlet to ensure the plug is always easily accessible.
- Never operate electrical devices near water.

4. Connections

- Never bypass the safety features of polarized or grounded plugs. Polarized plugs have two blades, one wider than the other. Grounded plugs have two blades and a third grounding prong. These features are designed for safety. If your outlet is incompatible with the plug, consult an electrician to replace the outlet.
- Ensure that cables are not stepped on, pinched, or subjected to strain near plugs, outlets, or where they exit the device. Regularly inspect cables for damage to their insulation. Replace damaged cables immediately with professional assistance.
- A small standby current is drawn even when the power or standby/on switch is in the "off" position.
- Always unplug the device by pulling the plug, not the cord.

5. Maintenance

- Disconnect the power supply from the mains if the device will not be used for an extended period.
- Use only specialized acrylic glass cleaners for cleaning acrylic parts. Never use alcohol-based liquids (e.g., ethanol or spirits) to avoid surface damage. Avoid aggressive cleaning agents. Do not use dry cloths, as they can cause static buildup. Suitable cleaning and care products from Clearaudio are available at www.analogshop.de or from authorized retailers. Lubricate the turntable bearing approximately every two years with the included bearing oil, using 1-2 drops in the bearing housing.
- Electrical devices contain magnetic storage components. Avoid placing external magnets near the device to prevent damage to magnetic components.

6. Health Warnings

- Prolonged exposure to high volume levels can cause hearing damage. Use high volumes responsibly.
- Heat Development: Exercise caution when touching the device, as the housing may become warm during operation.
- Risk of injury during setup due to heavy components (e.g., pinching fingers while placing the turntable platter).
- Beware of sharp objects that could cause injury.

7. Disclaimer of Liability

Use only accessories approved by the manufacturer. Warranty claims will be void if damage is caused by failure to follow the instructions in the manual. The manufacturer assumes no liability for consequential damages.

Liability Disclaimer: Clearaudio assumes no liability for damage to sound carriers caused by improper handling!

8. Service

- Do not open the device housing to access internal electronics, as it contains no user-serviceable components. This action may void the warranty. Repairs should only be performed by qualified personnel.
- During the warranty period, repairs may only be carried out by the manufacturer. Otherwise, the warranty will be void.
- Service for all Clearaudio products should be conducted exclusively through authorized dealers. If service is needed, return the product to Clearaudio via your retailer.
- In case of malfunctions, contact the retailer where the device was purchased. Do not use the product until it has been repaired.

9. Transport

- Always use the original packaging when transporting the Clearaudio turntable. Pack the device as it was delivered to ensure safe transport. When packing, reverse the setup process as described in the setup and operation instructions.
- Secure the turntable platter and tonearm with adhesive tape for transport.
- Ensure that the platter is packed with the milled side facing up in the bottom packaging layer and that the feet are screwed back into place.

Clearaudio assumes no liability for transport damage caused by improper packing.


10. CE Compliance

This product meets the requirements of European directives and other Commission regulations.



11. Disposal

For customers in Europe: Disposal of old electrical and electronic devices, batteries, and accumulators:

 a) If a product, its packaging, and/or accompanying documentation is marked with the symbol of a crossed-out waste bin, this product is subject to European directives and national laws implementing these directives.

b) These directives and laws stipulate that electrical and electronic waste as well as batteries and accumulators must not be disposed of with household waste (residual waste). To ensure proper disposal, processing, and recycling, you are required to dispose of old devices and discharged batteries/accumulators at designated collection points.

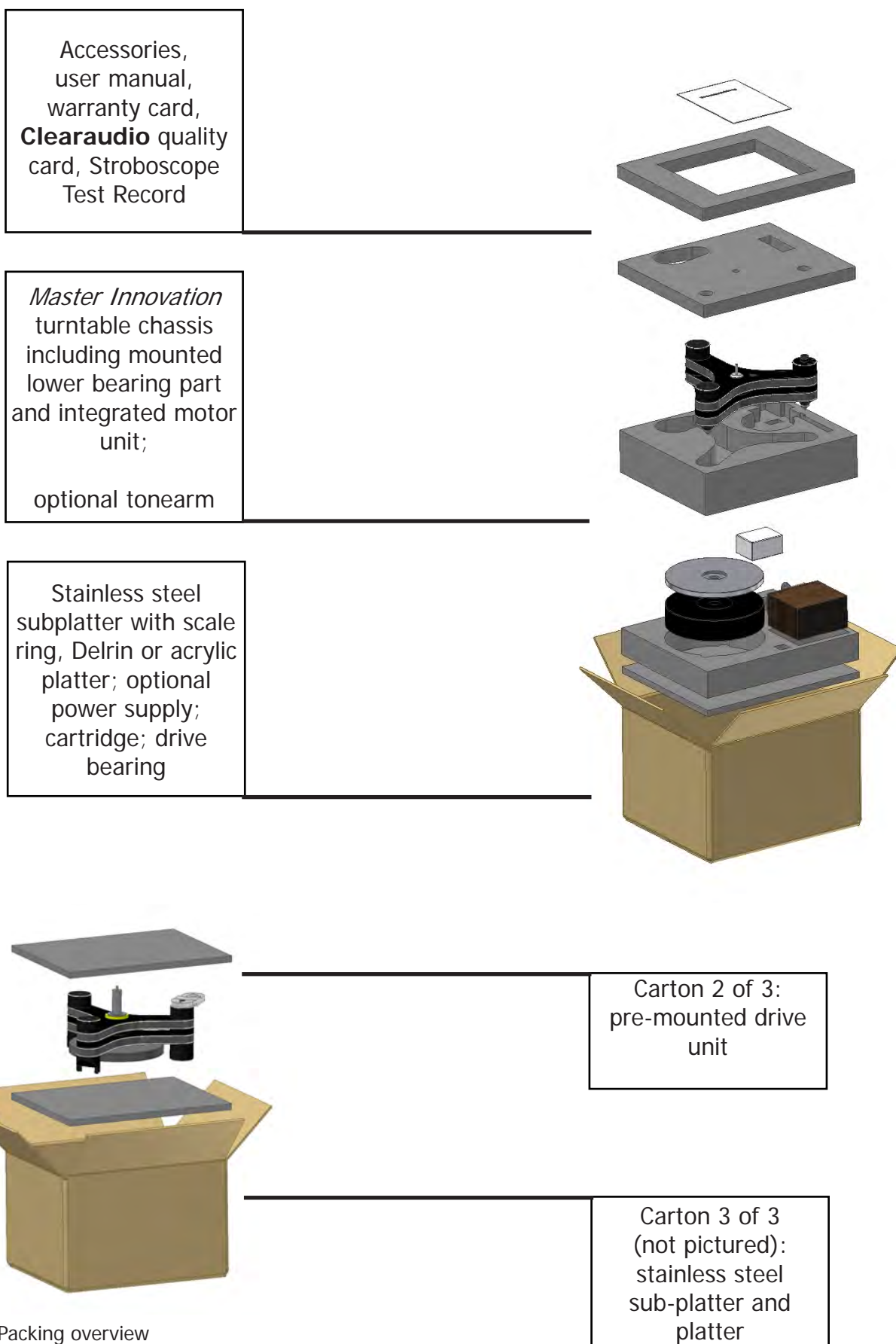
c) By properly disposing of such devices, batteries, and accumulators, you contribute to the conservation of valuable raw materials and prevent potentially harmful effects on public health and the environment that can result from improper waste disposal. Disposal is free of charge for you.

d) For more information on the collection and recycling of old devices, batteries, and accumulators, please contact your local municipal office, the waste disposal company responsible for you, or the point of sale where you purchased the product.

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1. Packing overview

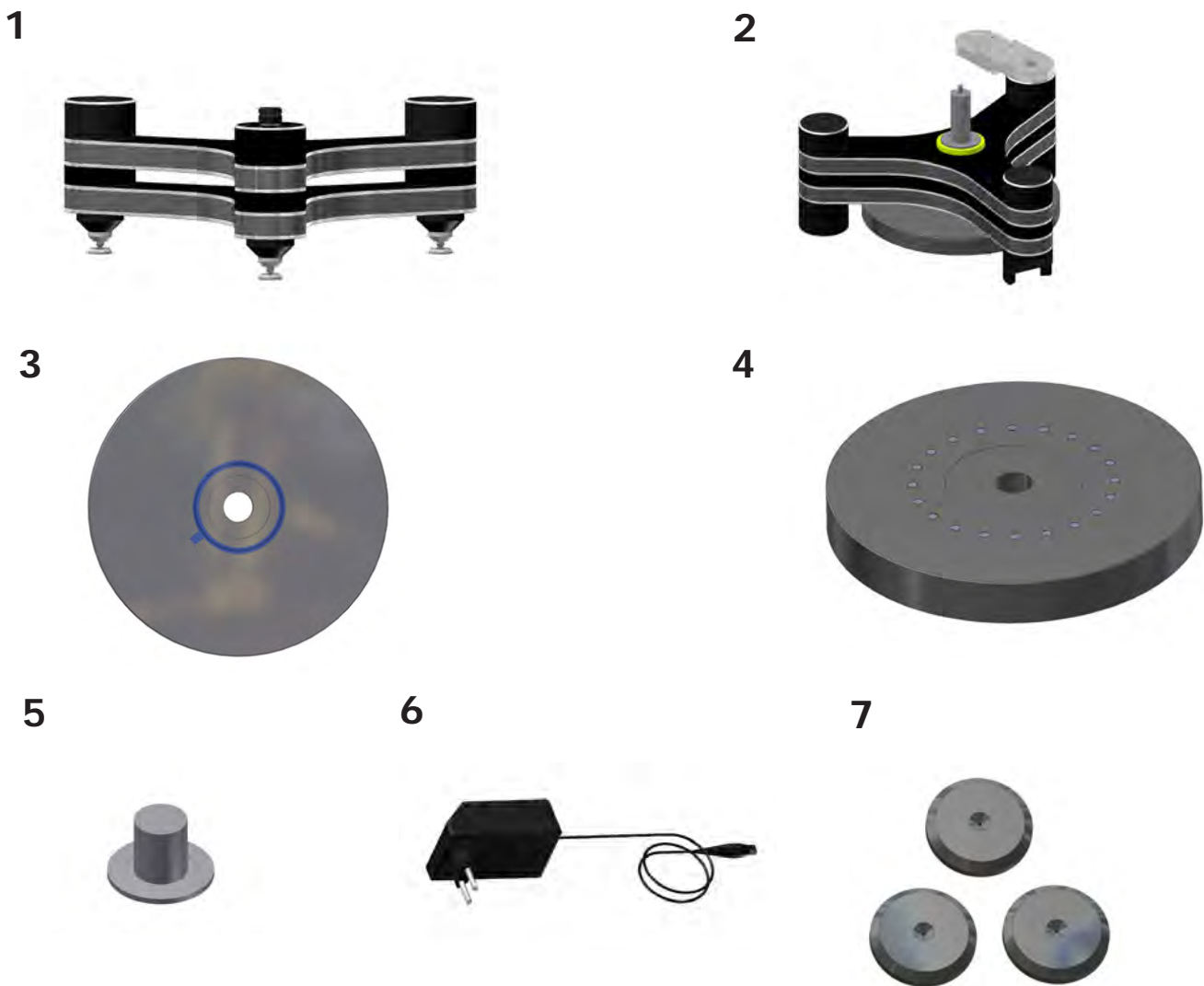


Pic. 1: Packing overview

2. List of components

Clearaudio's special secure packaging for your *Master Innovation* turntable ensures safe transportation. Please keep this original packaging, in case you need to transport or ship the turntable at any point in the future.

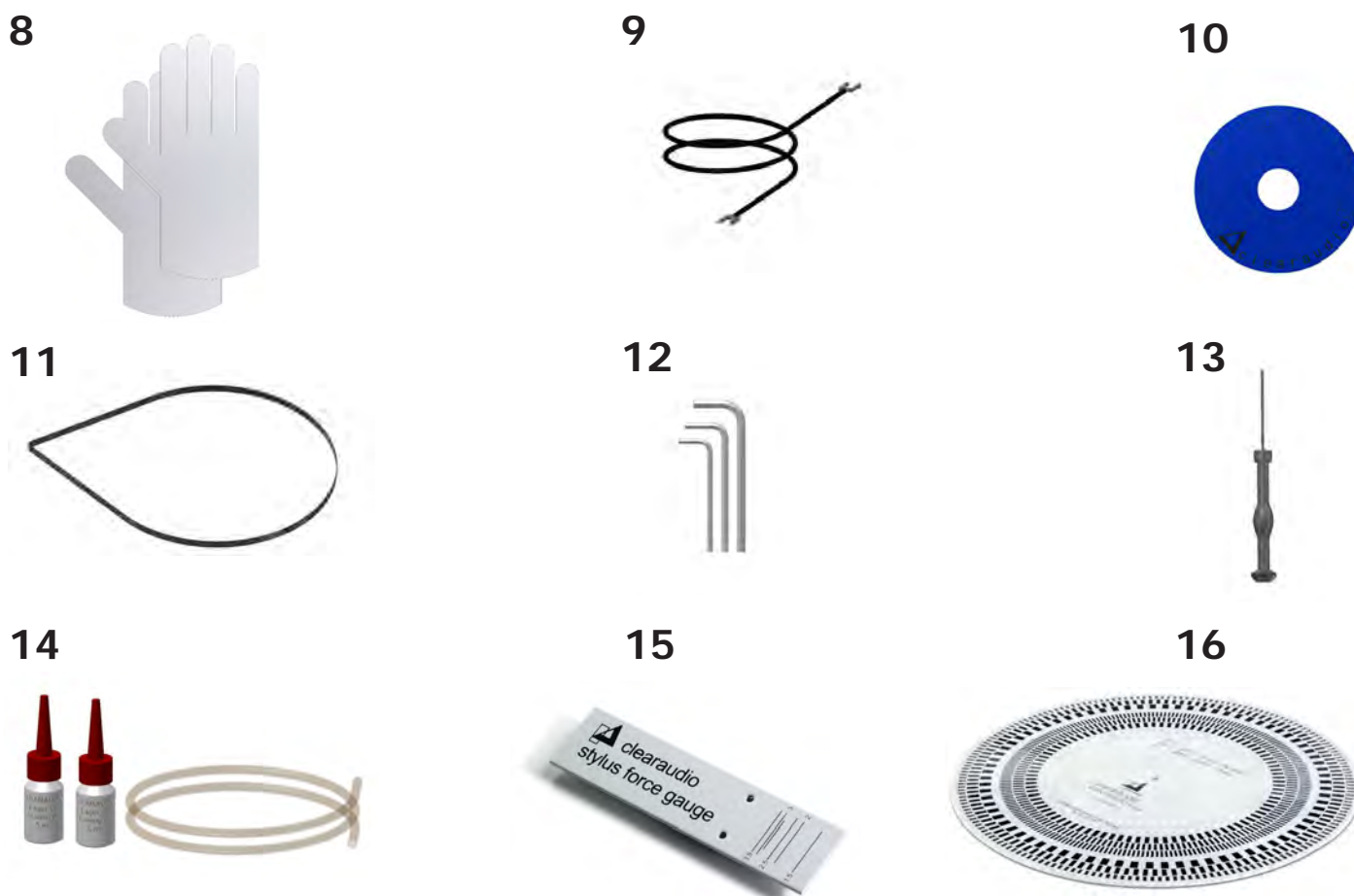
Clearaudio *Master Innovation* components list:



Pic. 2: List of Components

1.	Drive unit	5.	Drive bearing with ceramic ball
2.	Top unit with pre-mounted tonearm base (carton 2 of 3)	6.	Power supply
3.	Stainless steel sub-platter	7.	3 x flat pads
4.	28mm Delrin or acrylic turntable platter		

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Pic. 2.1: List of components

8.	1 pair of white gloves	14.	2x Bearing oil for occasional use
9.	Grounding wire (to connect to the underside of the bearing part)	15.	Clearaudio Smart Stylus Gauge
10.	Level gauge for turntable alignment	16.	Clearaudio Stroboscope Test Record (Art. No. AC038) to adjust the exact speed
11.	2 pcs. Flat belts	17.	Not shown: User manual, warranty card, Clearaudio quality certificate card, sales return paper
12.	4 hex keys; sizes: #2.5 / 3 / 7 / 8	18.	Not shown: stainless steel sub-platter and platter (carton 3 of 3)
13.	Screwdriver	19.	

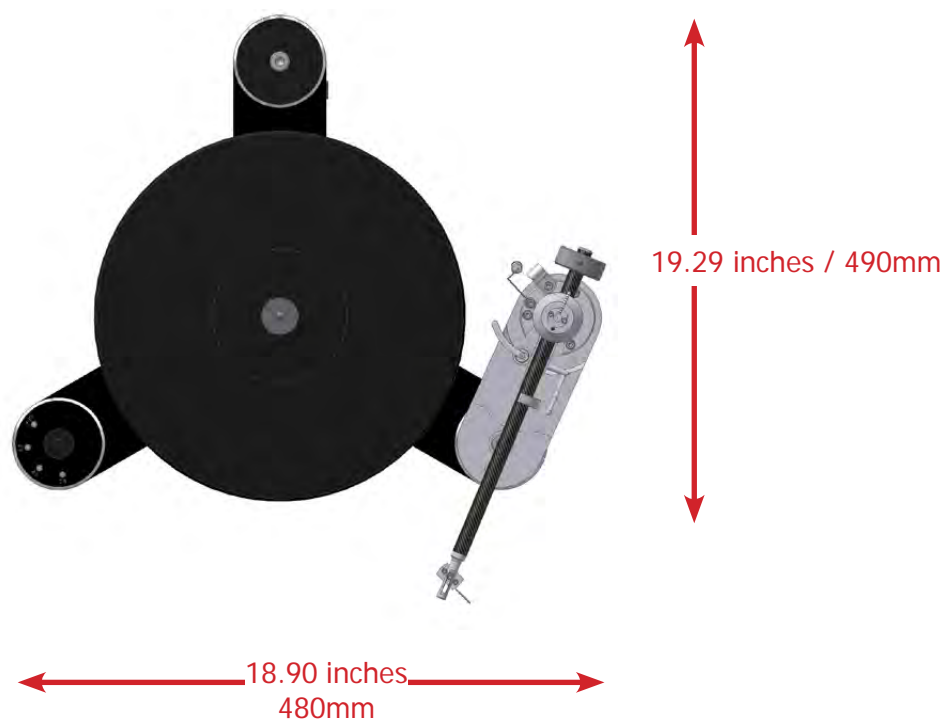
IMPORTANT NOTICE: Please double check the tightness of all bolts, hardware and mounting pods, as temperature fluctuations during transit may have caused the hardware to become loose.

3. Installation and setup

The setup of the *Master Innovation* turntable is easy as the turntable chassis is pre-assembled and has been tested at the factory.

Please use the white gloves enclosed in order to avoid scratches or unwanted fingerprints (platter).

The *Master Innovation* turntable requires a setup space of at least 18.90 x 19.29 inches.



Pic. 3: Required setup space

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Carton 1 of 3:

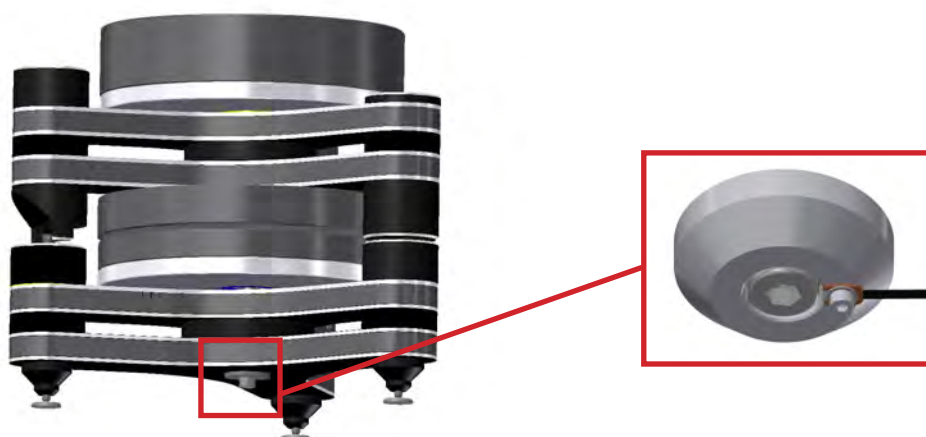
1.)
First, take out the three black flat pads from the accessory bag. Place these flat pads on your hi-fi rack or another suitable base, where the final position of your *Master Innovation* turntable will be.

2.)
Then take the *Master Innovation* turntable body (drive unit) from the next packaging layer and place the turntable's spikes onto the flat pads.



Pic. 4: *Master Innovation* drive unit

3.)
To avoid humming noises it may be necessary to ground the bearing. To do so, plug the ground cable provided into the hole in the bearing fixing bolt on the underside of the turntable.

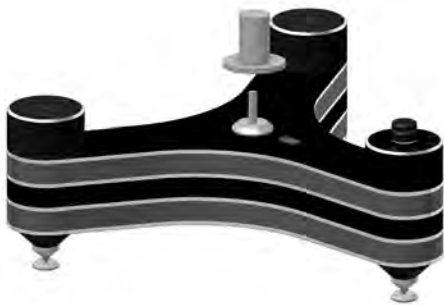


Pic. 5: Grounding the bearing

4.)
Remove the protective security tape from the bearing housing.

5.)

Take the drive bearing out of the box. Please remove the bearing protection film carefully and apply 2-3 drops of the bearing oil (provided, and also available at www.analogshop.de). Carefully place the bearing onto the bearing axis.



Pic. 6: Setup of the bearing



Pic. 7: Setup of the bearing

6.)

Remove the protection film from the sensor mounted on the turntable chassis.

Please do so extremely carefully to avoid introducing any dirt or scratches.

Carefully take the stainless steel platter out of the box, using both hands. Remove the protection film from the scale ring on the lower side of the turntable. The lower platter side with the scale ring must be face down when placing it on the bearing.

Again, please remove the lamination extremely carefully to avoid introducing any dirt or scratches.



Pic. 8: Montage of the sub-platter with the scale ring



- 7.)**
Take the drive platter out of the box and remove the protective film. Using both hands, place the drive unit platter onto the bearing, so that the magnets are showing on the top. Please be very careful.



Pic. 9: Placing the drive unit platter onto the bearing

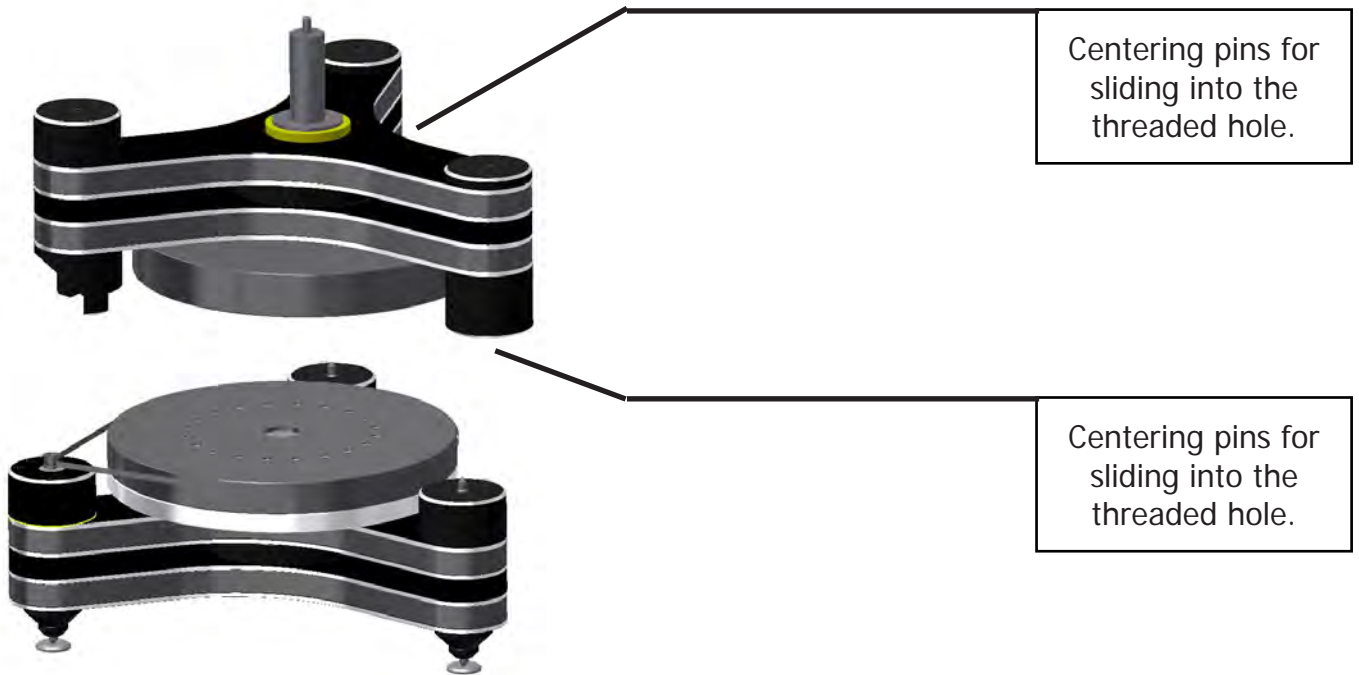
- 8.)**
Place one of the two drive belts provided (the second is a spare) around the platter and around the motor pulley.



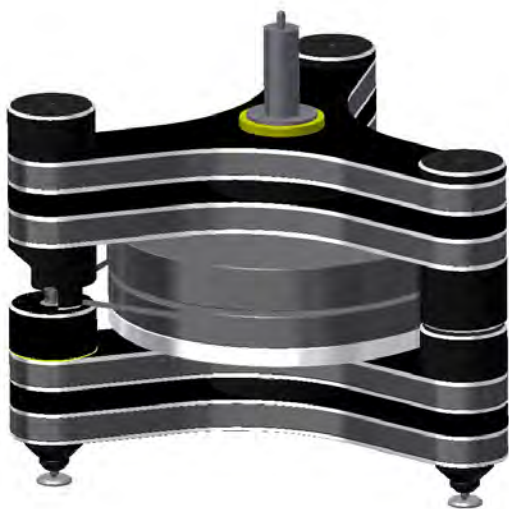
Pic. 10: Placement of the drive belt

9.) Carefully take the top unit from carton 2 of 3 and place it onto the drive unit. Make sure that the protective film of the top unit is still fixed between the platter and the chassis to avoid damage.

Please note that the centring pins will easily slide into the threaded hole without jamming.



Pic. 11: Placement of the top unit



Pic. 12: Top unit in place

10.)

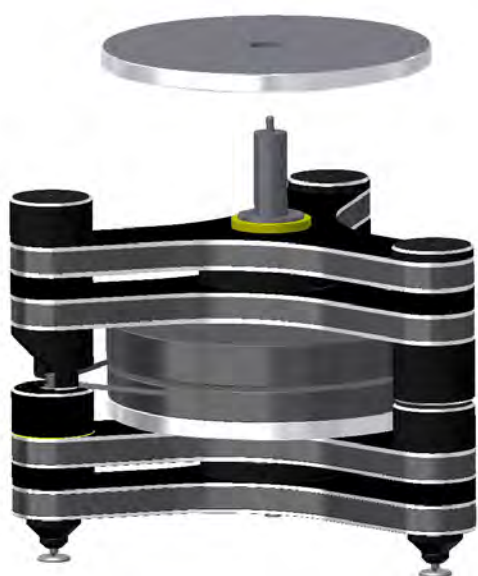
Take the stainless steel sub-platter from carton 3 and remove the protective packaging. Place the platter with the small deepening showing down carefully onto the upper part of the bearing. Make sure that the protective film is still fixed in place at this point.

Next, take the platter out of its box and set it carefully with the metal disc down onto the bearing. Now you can carefully remove the protective film.

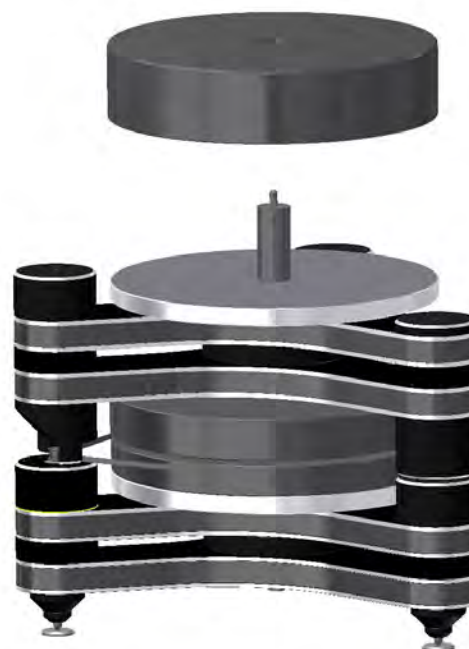
For this purpose press the platter slightly downwards.

To avoid any damage to your bearing, the platter should be at room temperature before beginning setup (approx. 20° Celsius).

Please avoid any sideways force to avoid any damage to the ceramic bearing.



Pic. 11a: Setting up the stainless steel platter



Pic. 11b: Setting up the platter



Pic. 12: Setup finished

You can find various turntable adjustment accessories at www.clearaudio.de or www.analogshop.de.

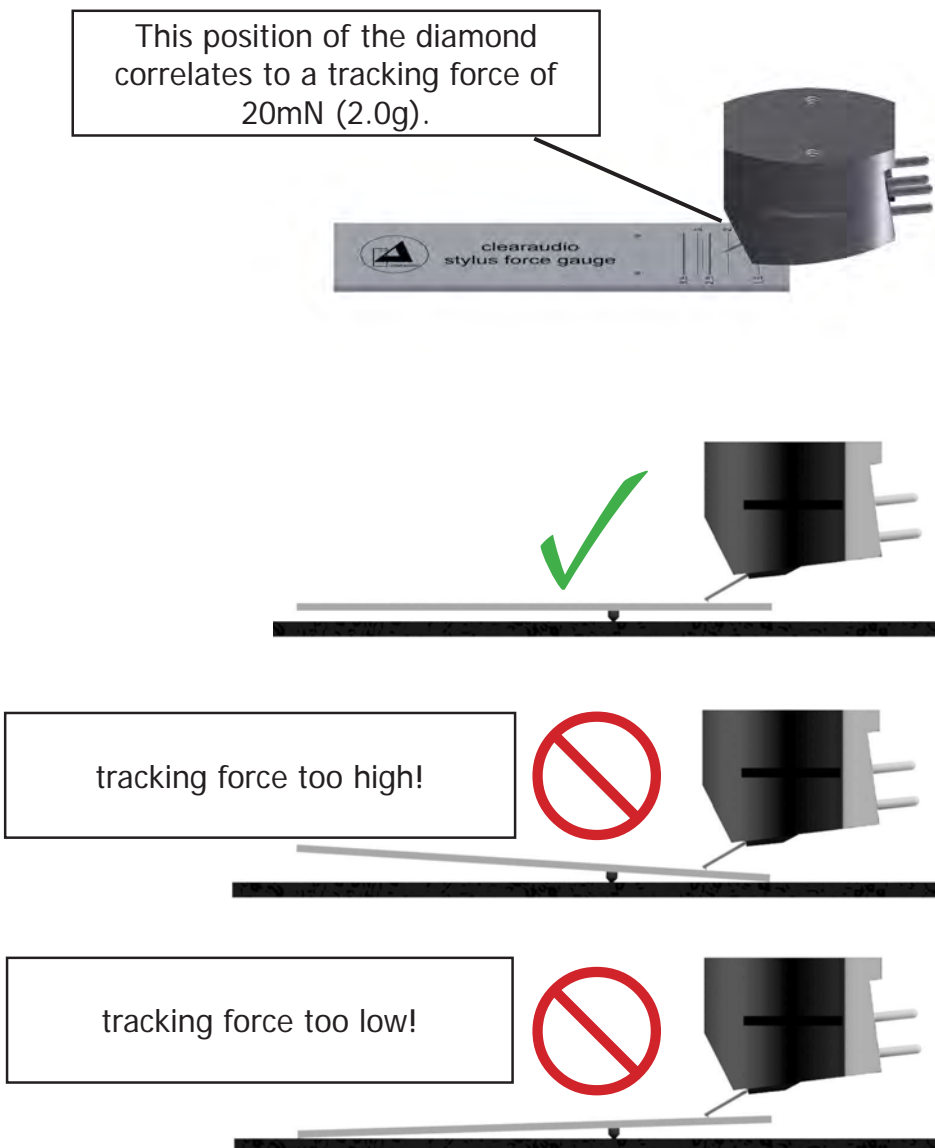
11.)

To install the tonearm, please see the relevant manufacturer's user manual for that tonearm.

12.)

To mount and adjust a cartridge, please follow the relevant manufacturer's user manual for that cartridge.

If you have purchased your **Clearaudio Master Innovation** turntable as a package with tonearm and cartridge, you will find a *Smart Level Gauge* in your accessories pack, which will help you to adjust the tracking force of the cartridge:



Pic. 13: Using the Smart Stylus Gauge

13.)

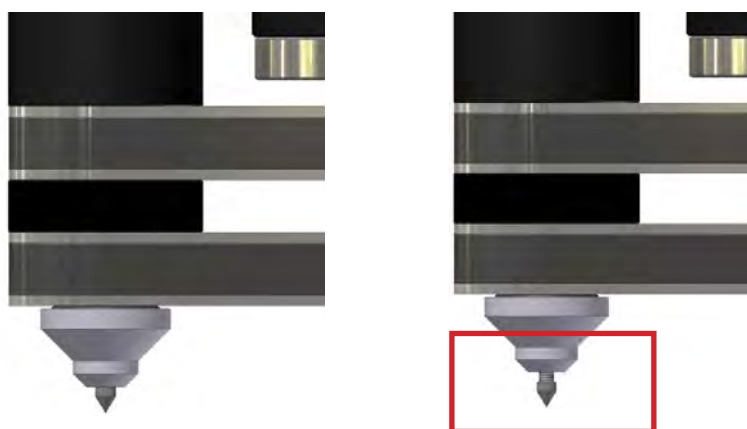
The following final adjustment is very important.

Please ensure that your turntable rack is in a level position.

Please use the level gauge provided to ensure that your *Master Innovation* turntable is in a level position. You can adjust each of the turntable's feet to level the turntable. You will only get the best results with your *Master Innovation* turntable if it is level.



Pic. 14a: Alignment of the turntable



Pic. 14b: Adjustment of the turntable feet

14.)

Please connect the mains plug to your power supply.



Pic. 15: Connection of power supply and motor

15).

By pushing the sensor switch, marked with "33 1/3" on the motor, the turntable starts to spin until 33 1/3rpm is reached.

After the initial setup, we recommend a running in period to ensure the perfect performance.

To do this let the turntable spin at 33 1/3rpm for 15 to 30 minutes.

4. Fine adjustment of the motor

1.)

The *Master Innovation's* motor adjustment is already pre-set at the factory. However, some small speed deviations can occur during transportation or due to dirt or dust on the sensor or the sensor ring. Please check the speed before using the turntable for the first time.

To correctly adjust the speed, put the recommended **Clearaudio** *Stroboscope Test Record* onto the platter and refer to the instructions provided in the *Stroboscope Test Record* user manual.

To check the speed with highest accuracy, you may wish to use the **Clearaudio** *Speed Light* (Art. No.: AC039, available at www.analogshop.de).

On the right front side of your turntable there are three fine speed adjusters (see Picture 16 below).



- Left adjuster = setting 33 1/3rpm (near turntable motor)
- Middle adjuster = setting 45rpm
- Right adjuster = setting 78rpm (near turntable bearing)

Pic. 16: Fine adjustment of the motor

To adjust the turntable speed at 33 1/3 rpm, take the screwdriver provided and turn the left adjuster until you have reached the right speed according to the *Stroboscope test record* (see the relevant user manual).

- Turning the adjuster counter clockwise reduces the turntable speed.
- Turning the adjuster clockwise increases the turntable speed.

You can also adjust the turntable speed for 45rpm and 78rpm in the same way.

Please note:

If the turntable does not reach the correct speed, the sensor or the scale ring could be dirty or dusty. To clean the sensor, take off the two platters very carefully. Clean the sensor and the scale ring with a little isopropyl alcohol and a cotton bud. Be very careful to avoid scratching the sensor or the scale ring.

Should the motor still have speed variations, please contact **Clearaudio** directly or you're nearest authorized **Clearaudio** dealer.

Now you are ready to play your vinyl records.

We wish you a great deal of pleasure with your new *Master Innovation* turntable.



5. Troubleshooting

If you have a problem with your *Master Innovation* 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
Device does not work	Is the power cord plugged in?	Check the connection.
No sound	The tonearm and phono stage are not properly connected.	Check the cable connection between the tonearm and the phono stage.
	Is the amp turned on?	Check the power supply to the amplifier.
	The volume on the amplifier/loudspeaker 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. Clearaudio offers 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 into the tonearm?	Check the installation using the relevant user manual and correct them if necessary.
	Has the tracking force been set too 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 enough gain.	Check the settings of your phono stage.
	Pre/amp is mismatched.	Swap the plugs of the turntable that are connected to the left and right outputs.

Needle bounces or slides across record	Is the record or the stylus dirty or damaged?	Clean the record / or the cartridge. Clearaudio offers 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 too high?	Adjust the tracking force.
	Is the record deformed or scratched?	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 turn	Is the drive belt properly attached?	Check the position of the drive belt.
	Is the power cord connected properly?	Check the connection.
	No speed was selected / speed selection 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, adapters for extensions)	Check all connections; reduce the level on the (pre-)amplifier to a low volume for acoustic checking of gross errors.
	Metal housing acts as an antenna and catches hum.	It can be helpful for conductivity to connect the metal parts of the turntable to the ground of the (phono) preamplifier. The turntable provides a grounding terminal 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	Wrong speed selected.	Check the record for 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 single format (17 cm) that have to be played at 33 rpm (so-called "EP's").
	The turntable is spinning too fast/too slow.	Adjust the speed according to the operating instructions.



6. Technical data

Construction details:	<ul style="list-style-type: none">- Resonance-optimised chassis shape- Made of bullet proof wood and aluminium- All turntable feet are finely adjustable- Playback with three tonearms possible
Speed options:	33 1/3, 45, 78rpm
Drive unit:	<ul style="list-style-type: none">- High torque 24V DC motor; belt-driven- Magnetic coupling of turntable and additional drive platter- Optical Speed Control (OSC) in real time through infrared sensor
Bearing:	<ul style="list-style-type: none">- Inverted bearing in lower drive platter- Clearaudio patented ceramic magnetic bearing (CMB) in main platter / upper drive platter assembly
Platter:	70mm / 2.75 inch main platter, made out of synthetic material with high-density and excellent dimension stability // precision CNC machined surface, solid stainless steel sub-platter, dynamically balanced
Speed accuracy (measured):	< ± 0.05%
Power consumption:	Max. consumption: 9.5 watts Consumption in operation: 4.1 watts Standby mode: 2.4 watts Off mode: 0.0 watts
Total weight:	Approx. 60kg (without tonearm and power supply)
Dimensions (W/D/H):	Approx. 18.11 x 19.09 x 15.59 inches (with tonearm base, without tonearm)
Dimensions (W/D/H):	Approx. 460 x 485 x 396mm (with tonearm base, without tonearm)
Manufacturer's warranty:	5 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.

The full, extended warranty period for the *Master Innovation* turntable is 5 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 <https://clearaudio.de/en/service/registration.php>, within 14 days of purchase.

Otherwise only the legal warranty can be considered.

The full 5 year warranty can only be honoured, if the product is returned in its original packing.

ENGLISH 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.

FRANÇAIS GARANTIE

Pour des informations sur la garantie, contacter le distributeur local **Clearaudio**.

CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sûr pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec **Clearaudio**.

IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

DEUTSCH GARANTIE

Bei Garantiefragen wenden Sie sich bitte zunächst an Ihren **Clearaudio** Händler. Heben Sie Ihren Kaufbeleg gut auf.

WICHTIG!

Die Angaben auf Ihrer Quittung erlauben uns die Identifizierung Ihres Gerätes und belegen mit dem Kaufdatum die Dauer Ihrer Garantie-Ansprüche. Für Serviceleistungen benötigen wir stets die Gerätenummer. Diese finden Sie auf dem Typenschild auf der Rückseite des Gerätes oder auch in der beigefügten Garantie-Registrierkarte.

NEDERLANDS GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke **Clearaudio**.

UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt, verwijzing bijv, in verbend met verzekering of bij correspondentie met **Clearaudio**.

BELANGRIJK

Bij een evt, beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuur zijn voldoende bewijs.

 **ITALIANO**
GARANZIA

L'apparecchio è coperto da una garanzia di buon funzionamento della durata di un anno, o del periodo previsto dalla legge, a partire dalla data di acquisto comprovata da un documento attestante il nominativo del Rivenditore e la data di vendita. La garanzia sarà prestata con la sostituzione o la riparazione gratuita delle parti difettose. Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di funzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.

Gli apparecchi verranno riparati presso i nostri Centri di Assistenza Autorizzati. Le spese ed i rischi di trasporto sono a carico del cliente. La casa costruttrice declina ogni responsabilità per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale o per guasti dovuti ad uso continuato a fini professionali.

 **ESPAÑOL**
GARANTIA

Para obtener información acerca de la garantía póngase en contacto con su distribuidor **Clearaudio**.

GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor, Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con **Clearaudio**.

IMPORTANTE

Cuando solicite el servicio otorgado por la garantía el usuario tiene la responsabilidad de demostrar cuándo efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

Stroboscope Testrecord



The **Clearaudio Stroboscope test records** satisfies the highest demands for an exact speed adjustment for turntables.

Dramatic sound improvements can be reached only with exact calibrated speeds.

- Optimal adjustment for turntables -

To adjust the exact speed, please choose the side for 50 / 60Hz, or the other side for the use with the speed light first.



If you choose the side without the speed light source, you can use the regular light source for the installation, either 50Hz (outer scales) or 60Hz.

The scales are graduated in three different reading options: 33.3, 45 and 78rpm (starting from the outer diameter).

Please place the stroboscope disc on your turntable platter and start the engine of your turntable. The big advantage of the **Clearaudio** strobe disc is, that you can place your cartridge onto the strobe record, while measuring the speed, as there are grooves provided on the disc. This means, for the first time a real time speed analysis is possible under realistic circumstances.

If you have the impression that the horizontal lines move on the scale, you should set or readjust the speed of the motor again.

- If the lines move clockwise, the speed is too fast.
- If the lines move counter clockwise, the motor speed is too slow.

Please correct the speed on your motor or turntable until you have the impression that the lines stopped moving. After that you have reached the exact speed, you can enjoy the full potential of your vinyl collection again.



If you use the Speed Light (AC039) you can reach an even higher or more accurate adjustment, completely independent of the power line or frequency of your country.

As well, the 300 Hz calibrated light, used as an external light source is completely independent from possible power line fluctuations, which could influence the result by regular light. The 300Hz of the *Speed Light* are generated by a stabilized quartz oscillator and permit a very exact adjustment.

Please put the *Stroboscope Testrecord* with the fine lines upward on your turntable.

Here you also have the possibility to choose between three different speeds.

With the outside scale you can detect the speed of 33.3rpm, with the middle scale 45rpm and with the inside scale you can detect the speed of 78rpm. Again, the big advantage of the **Clearaudio** strobe disc is, that you can place your cartridge onto the strobe record, while measuring the speed, as there are grooves provided on the disc. This means, for the first time a real time speed analysis is possible under realistic circumstances.

Press the button of the speed light source and place it parallel over to the scale and adjust the motor or turntable speed until the horizontal lines do not move anymore.

- Tip -

As more accurate your turntable speed is adjusted, as better the overall sonic appearance of the record playback will be!

It is mandatory to check the speed several times through out the year, to ensure that other influences are not minimizing the sound quality.

Please enjoy your vinyl records now even more !

Yours **Clearaudio** team

Loving music

Technical Data:

Speed Light

Light source: blue LED / 300Hz precision light source (calibrated)

Battery: V 23GA – 12V – Alkaline



Loving music

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