



# Innovation Basic

Loving music

User manual



**Innovation Basic Black**  
Picture: Package with  
Clearaudio tonearm „TT5“  
and Clearaudio cartridge  
„Charisma V2 MM“.



**Innovation Basic Wood**  
Picture:  
Package with Clearaudio  
tonearm „Magnify“ and  
Clearaudio cartridge  
„essence mc“.

Pic. similar

## User manual

Dear **Clearaudio** customer,

Congratulations and thank you for choosing the **Clearaudio** *Innovation Basic* turntable, a world class turntable, handmade in Germany.

Resonance minimizing chassis sandwich construction in combination with the innovative motor unit (low noise level and high turning moments), guarantees total isolation of resonances from the turntable chassis, providing the best music reproduction and authentic High End imaging. A high precision, maintenance free sinter bronze bearing is completing the analogue pleasure.

The **Clearaudio** patented CMB-Bearing-Technology, an inverted bearing with jewelled and polished ceramic bearing shaft and a bronzed liner, provides frictionless analog enjoyment.

Please read this instruction manual carefully, to avoid any damages or loss of warranty. This manual will help you for an easy setup and guarantees the highest pleasure for a long time.

We wish you a lot of musical enjoyments with your new **Clearaudio** *Innovation Basic* 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](http://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

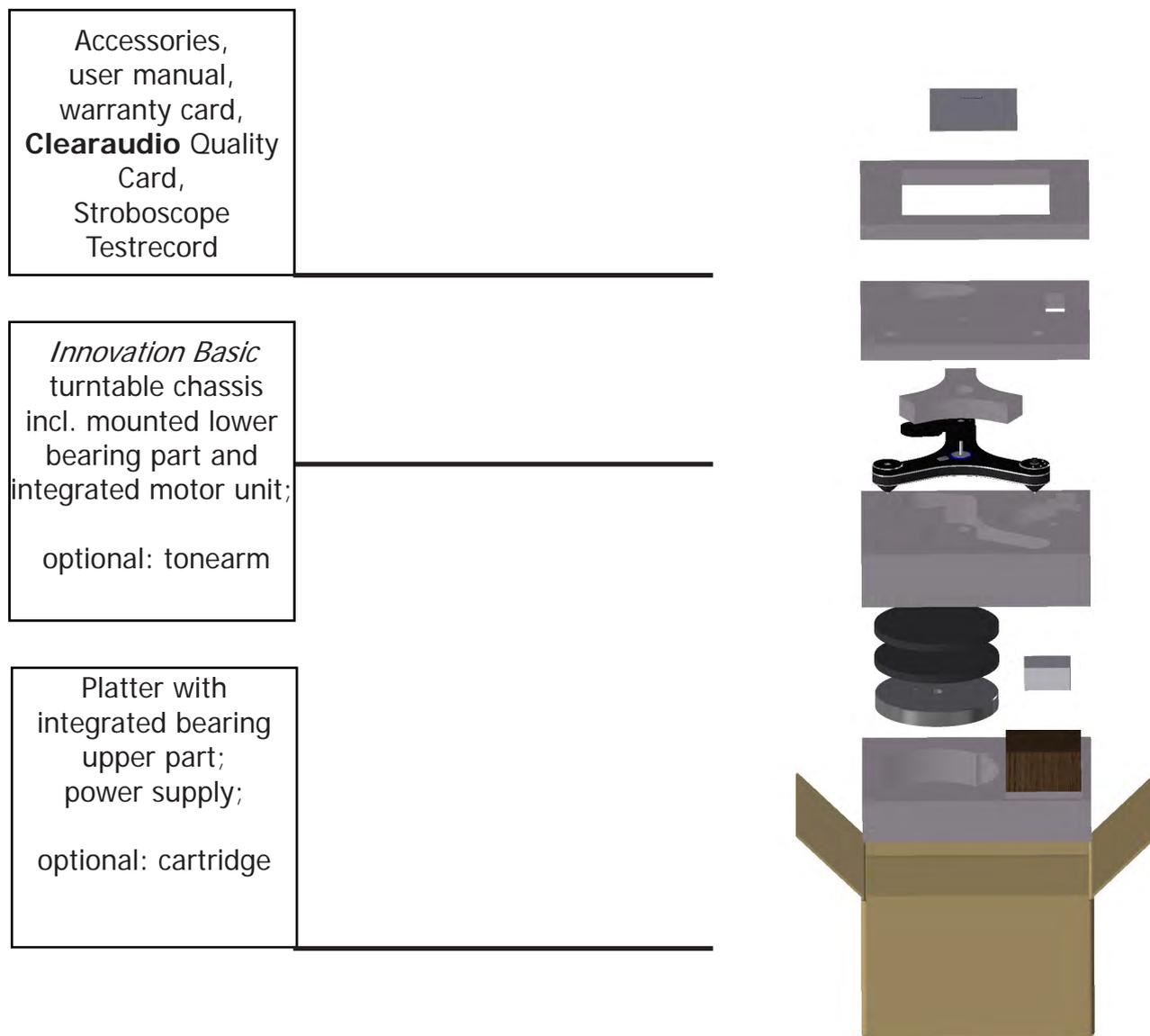
For customers in Europe: Disposal of old electrical and electronic devices, batteries, and accumulators:

-  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.

## Contents

1. Packing overview .....	5
2. List of components .....	6 - 7
3. Installation and setup .....	8 - 11
4. Fine adjustment of the motor .....	12
<b>5. Troubleshooting .....</b>	<b>13 - 14</b>
6. Technical data .....	15
Warranty information.....	16 - 17
<b>Stroboscope Testrecord User manual .....</b>	<b>18 - 19</b>

## 1. Packing overview



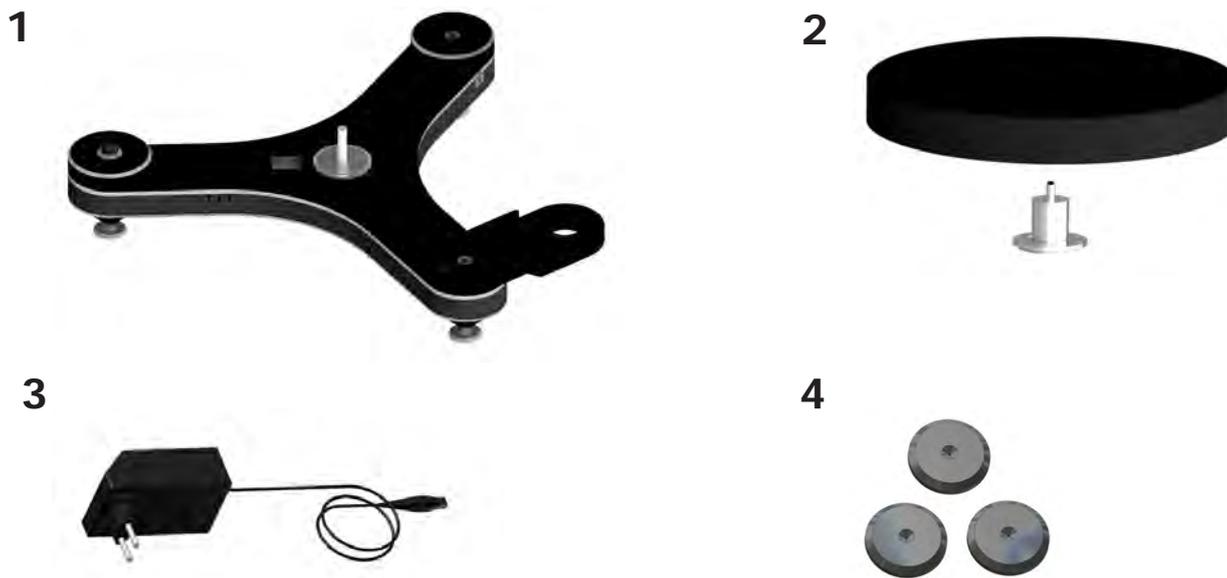
**Pic. 1:** Packing overview

## 2. List of components

**Clearaudio** has developed a special and secure packing for your *Innovation Basic* turntable that ensures a safe transportation.

Please keep this original packing, if you need to ship the turntable.

Below you find the part list of the **Clearaudio** *Innovation Basic* turntable:

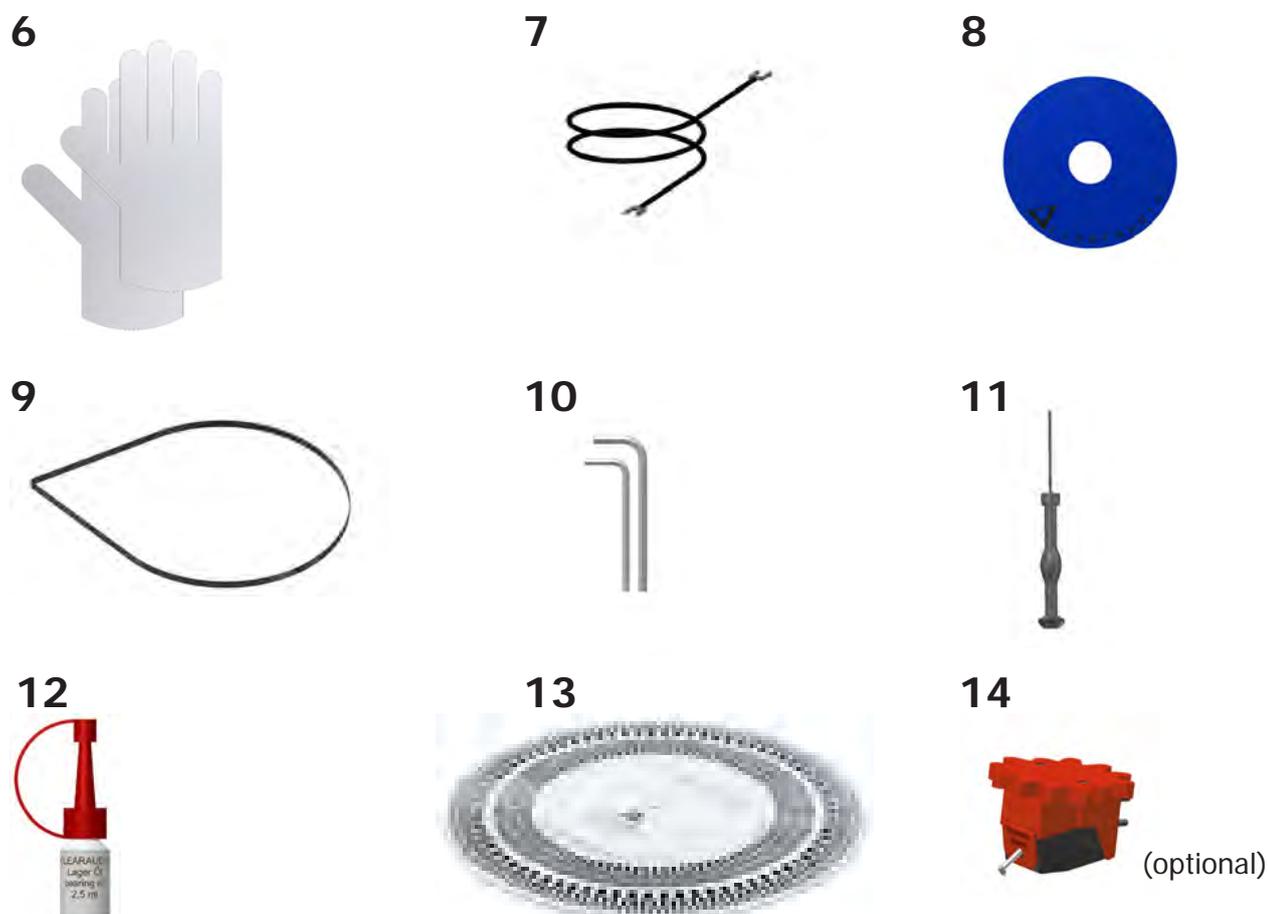


**Pic. 2:** List of components

1.	Turntable body with mounted lower bearing part	3.	Power supply
2.	Platter with integrated upper bearing part	4.	3x Flat Pads

# User manual

Continuation of list



**Pic. 2.1:** List of components

<b>6.</b>	1 pair of white gloves	<b>12.</b>	Bearing oil for occasional use
<b>7.</b>	Grounding wire for the <i>Innovation Basic</i> turntable (to connect in the bottom bearing part)	<b>13.</b>	<b>Clearaudio Stroboscope Testrecord</b> (Art. No. AC038) to adjust the exact speed
<b>8.</b>	Level gauge for the turntable alignment	<b>14.</b>	Optional in package: <b>Clearaudio MC cartridge</b>
<b>9.</b>	1 pcs. flat belt	<b>15.</b>	Optional in package: Turntable + tonearm + cartridge No illustration: cartridge alignment gauge for tonearm (optional)
<b>10.</b>	2x Hex wrench Size 3 / 7	<b>16.</b>	Not shown: Warranty card, <b>Clearaudio</b> Quality certificate card
<b>11.</b>	Screw driver	<b>17.</b>	Not shown: User Manual

## IMPORTANT NOTICE:

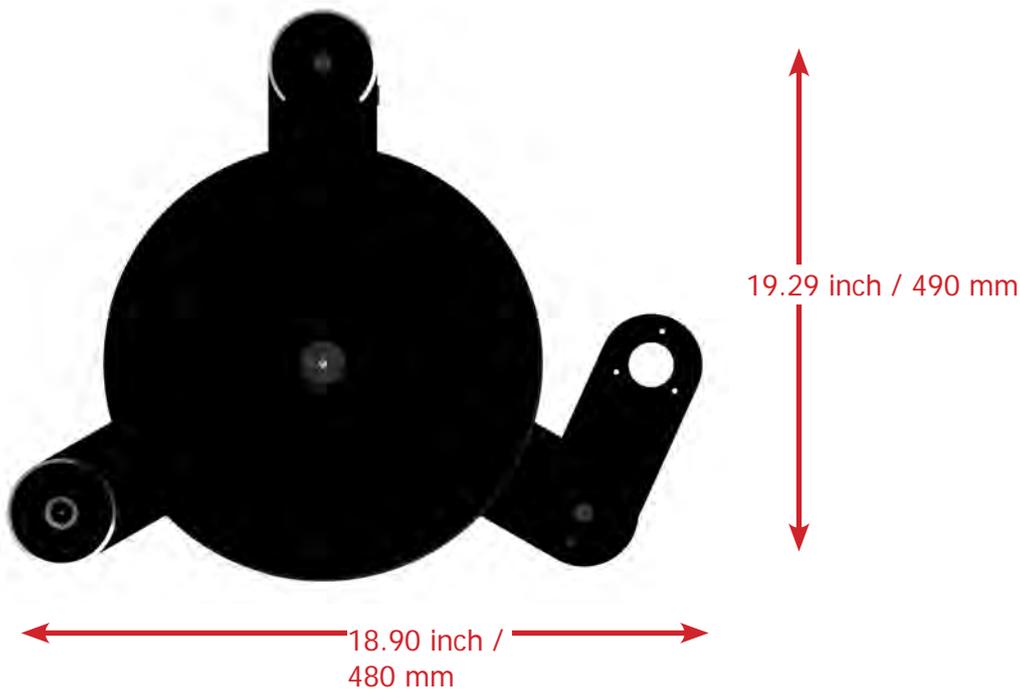
Please double check the tightness of all bolts, hardware, and mounting pods, as temperature fluctuations during transit may have caused the hardware to become loose.

### 3. Installation and setup

The setup of the *Innovation Basic* 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 *Innovation Basic* turntable requires a space for setup of at least 18.90 inch x 19.29 inch.



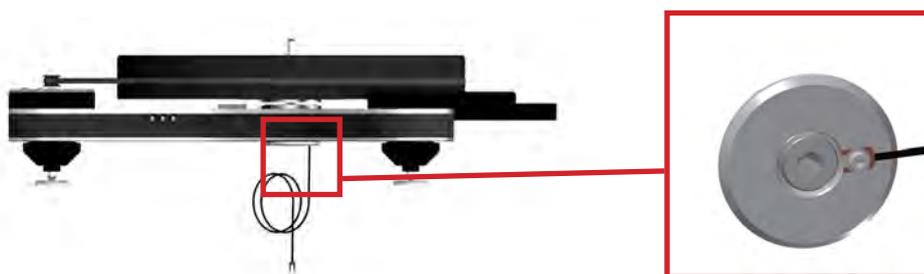
**Pic. 3:** Required setup space

**To setup the *Innovation Basic* turntable stick to the following steps:**

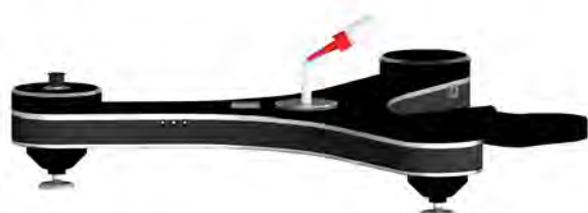
- 1.) In the accessory bag on the top level of the packaging (See Pic 4) Page 5) you will find 3 Flat Pads. Place them on the prospective location of the *Innovation Basic* turntable.
- 2.) Now you can remove the entire top level out of the carton. Take the *Innovation Basic* body (with included lower bearing part) from the lower packaging level and put them with the preassampled feet (spikes) on the already placed Flat Pads.

**Pic. 4:** *Innovation Basic* with tonearmbase

- 3.) It may be possible that you have to ground the turntable to avoid hum problems. Plug the supplied grounding cable into the lateral hole of the fixing bolt of the bearing and connect the other end to your amplifier.

**Pic. 5:** Grounding of the *Innovation Basic*

- 4.) Remove the cap from the ceramic shaft of the bearing and put 1-2 drop of the supplied synthetic bearing oil on the ceramic shaft (Art. No. AC068, also available through [www.analogshop.de](http://www.analogshop.de)).

**Pic. 6:** Using the bearing oil

### 5.)

In the next step remove the lamination of the sensor, mounted on the turntable chassis (picture 7: red frame).

Please remove the lamination extreme carefully and avoid any soiling and scratches.



Pic. 7: Removing the lamination

### 6.)

#### 6.1)

Take the platter with both hands (with white gloves) carefully out of the packing.

Please pay attention that the integrated bearing does not fall out of the platter!

The flat side of the platter should face to the chassis and the side with the cut-out (for the record) should face up.

#### 6.2)

In the next step remove the lamination of the sensor on the bottom side of the platter.

Please remove the lamination extreme carefully and avoid any soiling and scratches.

#### 6.3)

To avoid any damages on your bearing, the platter should have room temperature before the setup begin (approx. 20 ° Celsius).

With both hands you can place the platter carefully onto the bearing.

Through a lightly (!! ) up and down movement the platter will slip onto the bearing upper part (picture 8).



Avoid major side forces to prevent any damages to the ceramic bearing!

Make sure with gentle pressure that the platter is applying on the complete surface of the bearing.

Pic. 8: Setup of the platter

## User manual

7.)  
To install the tonearm and / or to mount and adjust a cartridge, please follow the user manual of the manufacturer.

8.)  
**The following final adjustment is very important:**

**Please ensure that your turntable rack is in a levelled position.**

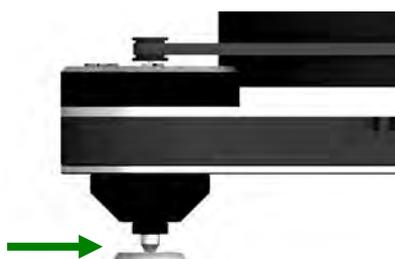
Please check with the delivered level gauge, if your *Innovation Basic* turntable is in a levelled position. You can adjust each of the turntables feet to get the turntable levelled (Pic. 9).

To adjust the height, first turn the middle part of the feet (Pic. 10 a; green arrow), then you can twist the end part (Pic. 10 b, red frame) to the desired height.

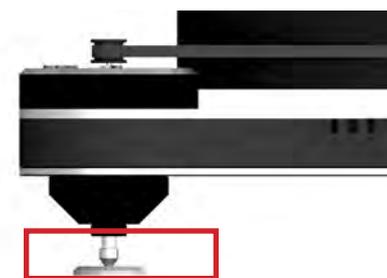
After the adjustment, please make sure, to turn the middle part again to fix the selected position.



Pic. 9: Alignment of the turntable



Pic. 10 a: Middle part



Pic. 10 b: End part

Only if the turntable is in a levelled position you will get the best results with your *Innovation Basic* turntable.

9.)  
Please connect the plug of the power supply with the linkage of the turntable.  
After that connect the power supply with the electric power supply.



Pic. 11: Connection of power supply and motor

10.)  
Place the flat belt around the platter and around the motor pulley.  
By pushing the sensor switch, marked with "33 1/3" on the motor, the turntable starts to spin until 33 1/3 rpm is reached.

After the initial setup we recommend to let the turntable spin for at least 15 to 30 minutes.  
This ensures a smoother break in.

#### 4. Fine adjustment of the *Innovation Basic* motor

The motor adjustment is already pre set at the factory. Through the transport some small speed deviations can occur. Please check the speed before using the turntable for the first time.

For the correct adjustment of the speed please put the recommended **Clearaudio** *Stroboscope Testrecord* on the platter. Follow hereby the instruction of the *Stroboscope Testrecord* user manual.

To check the speed with highest accuracy please use the **Clearaudio** *Speed Light* (Art. No. AC039) ([www.analogshop.de](http://www.analogshop.de)).

On the front side of your turntable there are three setting trimmers (see pic. 11).



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

**Pic. 12:** Fine adjustment of the motor

If you like to adjust the speed 33 1/3 rpm, take the screw driver (see accessories) and turn the left trimmer until you have reached the right speed according to the *Stroboscope Testrecord* (see user manual *Stroboscope Testrecord*).

- Turning the trimmer counter clockwise = reduces the turntable speed
- Turning the trimmer clockwise = raises the turntable speed

Please proceed with the speed adjustment for 45 rpm and 78 rpm 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, please take off the platter very carefully!

Clean the sensor and the scale ring with a little isopropyl alcohol and a cotton bud.

Be careful and avoid any scratches on the sensor or the scale ring!

If the motor has further more speed variations please contact your nearest authorized **Clearaudio** dealer or directly the **Clearaudio** factory (address on page 13).

If the turntable is not in use, disconnect the unit completely from the power supply by removing the main plug from the socket.

Now you are finally ready to play your vinyl records.

We wish you a lot of pleasure with your new *Innovation Basic* turntable.



## 5. Troubleshooting

If you have a problem with your *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
<b>Device does not work</b>	Is the power cord plugged in?	Check the connection.
<b>No sound</b>	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.
<b>Bad sound / noise</b>	Is the record or the stylus dirty or damaged?	Clean the record / or the cartridge. <b>Clearaudio</b> 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.

<b>Needle bounces or slides across record</b>	Is the record or the stylus dirty or damaged?	Clean the record / or the cartridge. <b>Clearaudio</b> 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.
<b>Platter does not turn</b>	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.
<b>Noisy sound</b>	Is the drive belt properly attached?	Check the position of the drive belt. Is it too loose and needs to be changed?
<b>Humming noises</b>	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.
<b>The music doesn't sound like usual</b>	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

<b>Construction details:</b>	<ul style="list-style-type: none"><li>- Resonance-optimised chassis shape</li><li>- Made of bullet proof wood and aluminium</li><li>- All turntable feet are finely adjustable</li><li>- Playback with two tonearms possible</li></ul>
<b>Speed options:</b>	33 1/3, 45, 78rpm
<b>Drive unit:</b>	<ul style="list-style-type: none"><li>- High torque 24V DC motor; belt drive</li><li>- Optical Speed Control (OSC) in real time through infrared sensor</li></ul>
<b>Bearing:</b>	Inverted bearing in lower drive platter. <b>Clearaudio</b> CMB ceramic magnetic bearing in main platter / upper drive platter assembly.
<b>Platter:</b>	40mm / 1.57 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
<b>Speed accuracy (measured):</b>	< ± 0.08%
<b>Power consumption:</b>	Max. consumption: 9.3 watts Consumption in operation: 2.5 watts Standby mode: 2.5 watts Off mode: 0.0 watts
<b>Total weight:</b>	Approx. 8kg (without tonearm and power supply)
<b>Dimensions (W/D/H):</b>	Approx. 18.11 x 19.09 x 4.92 inches (with tonearm base, without tonearm)
<b>Dimensions (W/D/H):</b>	Approx. 460 x 485 x 125mm (with tonearm base, without tonearm)
<b>Manufacturer's warranty:</b>	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 *Innovation Basic* 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 verband 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 Testrecords** 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 / 60 Hz, 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 50 Hz (outer scales) or 60 Hz. The scales are graduated in three different reading options: 33.3 Hz, 45 Hz and 78 Hz (starting from the outer diameter).

Please place the *Stroboscope Testrecord* on your turntable platter and start the engine of your turntable. The big advantage of the **Clearaudio Stroboscope Testrecord** is, that you can place your cartridge onto the *Stroboscope Testrecord*, 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 and you can enjoy the full potential of your vinyl collection again.



If you use the *Speed Light* (Art. No. 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 300 Hz 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 two different speeds.

With the outside scale you can detect the speed of 33 Hz and with the inside scale you can detect the speed of 45 Hz. Again, the big advantage of the **Clearaudio** *Stroboscope Testrecord* is, that you can place your cartridge onto the stroborecord, 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.

**Technical Data:**

***Speed Light***

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

**Battery:** V23GA – 12 V – Alkaline (Art. No.: AC039/B)



Loving music

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