



Performance DC

Loving music

User manual



Black with black chassis



Black with silver chassis



Silver with silver chassis



Silver with black chassis



Silver with wood chassis



Black with wood chassis

Pic. similar

User manual

Dear **Clearaudio** customer,

You have purchased a State-Of-The-Art turntable, the *Performance DC*, a world class product of **Clearaudio** electronic GmbH. Congratulations on your purchase!

The main chassis consists of a complex sandwich of materials: aluminium and HDF material. The powerful and smooth-running DC motor is integrated within and is effectively decoupled by the main chassis.

The motor is hidden beneath the platter and drives the precision machined aluminium sub-platter via a precision machined POM main platter are supported by **Clearaudio's** patented *CMB Ceramic Magnetic Bearing*.

The drive system is operated by four blue illuminated buttons, ergonomically integrated into the front left of the chassis. Almost any commercially available 9 inch tonearm can be fitted by virtue of the easily interchangeable armboards.

Please read this user manual carefully so that you can enjoy all the advantages of your *Performance DC* turntable. All information given will help to generate the best performance and avoid any possible damages.

We hope you will enjoy your new **Clearaudio** *Performance DC* turntable.

Clearaudio electronic GmbH

Please read the warnings before connecting your Performance DC turntable to the mains supply.



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.

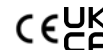
9. Transport

- 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. Packaging overview

The **Clearaudio Performance DC** turntable is delivered in specially designed custom packaging.

Please check the contents according to the following list before you set up your new **Clearaudio Performance DC** turntable.

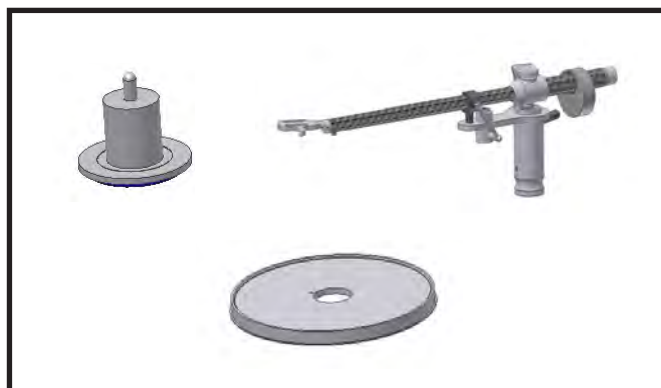
1. Layer (top):

Top of bearing, belt, fittings and accessories (Quality and warranty card, bearing oil, hex keys, grounding wire)

sub-platter, power supply

If ordered as set:

Tonearm and/or pickup



2. Layer (middle):

Turntable chassis



3. Layer (bottom):

Platter



Pic. 1: Packaging overview

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

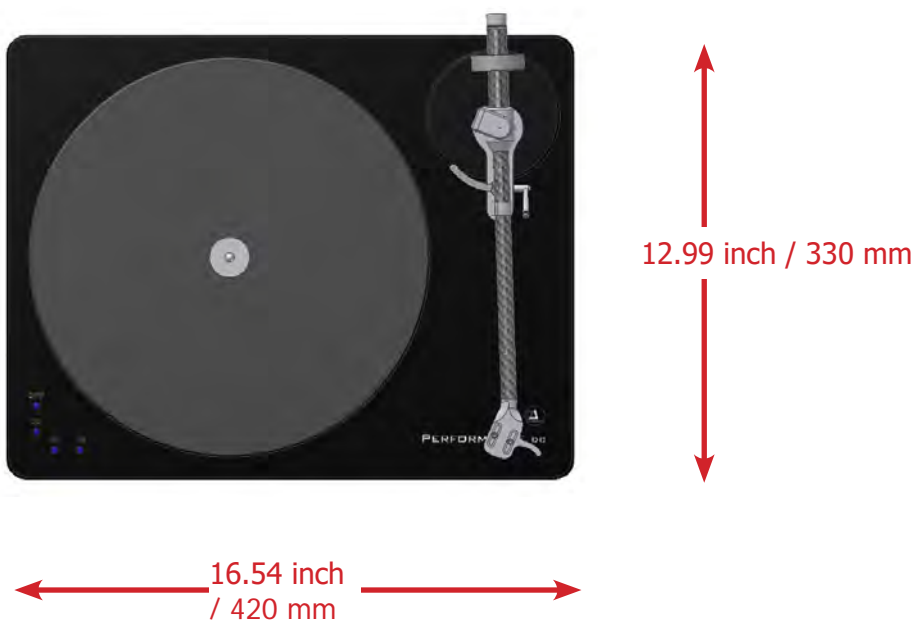
2. Setup and operation

The *Performance DC* turntable consists of several components, as described in No 1 (Packaging overview).

The setup is easy, as some of the components are pre-assembled at the factory. Please make use of the white gloves enclosed in order to avoid scratches or unwanted fingerprints (e.g. on the platter).

Please follow the instructions step by step:

The *Performance DC* requires a space of at least 16.54 x 12.99 inches for positioning.



Pic. 2: Setting up space

User manual

2.1

Place the pre-mounted chassis on your hifi-rack or another suitable surface.



Pic. 3: *Performance DC* chassis

2.2

To avoid hum noises we recommend to ground the bearing. For that attach the supplied grounding wire to the existing screw on the bottom side of the chassis (#2.5).



Pic. 4: Grounding the bearing of the *Performance DC*

2.3

Please remove the protective seal from the bearing shaft and place two drops of the synthetic bearing oil on the ceramic bearing shaft. Slip the bearing top onto the bearing shaft of the turntable (also available through www.analogshop.de Art. No. AC068).



Pic. 5: Bearing oil

2.4

Now you can set the bearing upper part carefully onto the bearing. To avoid damages make sure you slide the bearing upper part slowly and carefully on the polished ceramic shaft.



Pic. 6: Fitting the bearing upper part

2.5

Now you can set the sub-platter carefully onto the bearing (see Pic. 7). To avoid any damage, make sure you slide the sub-platter slowly and carefully onto the bearing.

After that, take the included belt and place it around the motor and the sub-platter (see Pic. 7.1). At this point the sub-platter will be higher than the pulley. This is normal, as the CMB requires the weight of the platter to fully engage it.



Pic. 7: Setting the sub-platter



Pic. 7.1: Placing the belt

2.6

Now you can set the platter carefully onto the bearing. To avoid damage, make sure you slide the platter slowly and cautiously on the sub-platter/ bearing assembly. Hold the platter securely, so the platter does not slip or fall on your turntable.



Pic. 8: Setting the platter onto the bearing

2.7

Please check with the bubble level gauge, if your *Performance DC* turntable is in a level position.

You can adjust each of the turntable's feet to get the turntable level. Only if the turntable is in a level position you will get the best results with your turntable.

Please note:

Through turning the feet clockwise you will raise the turntable, by turning counter clockwise the turntable will lower.



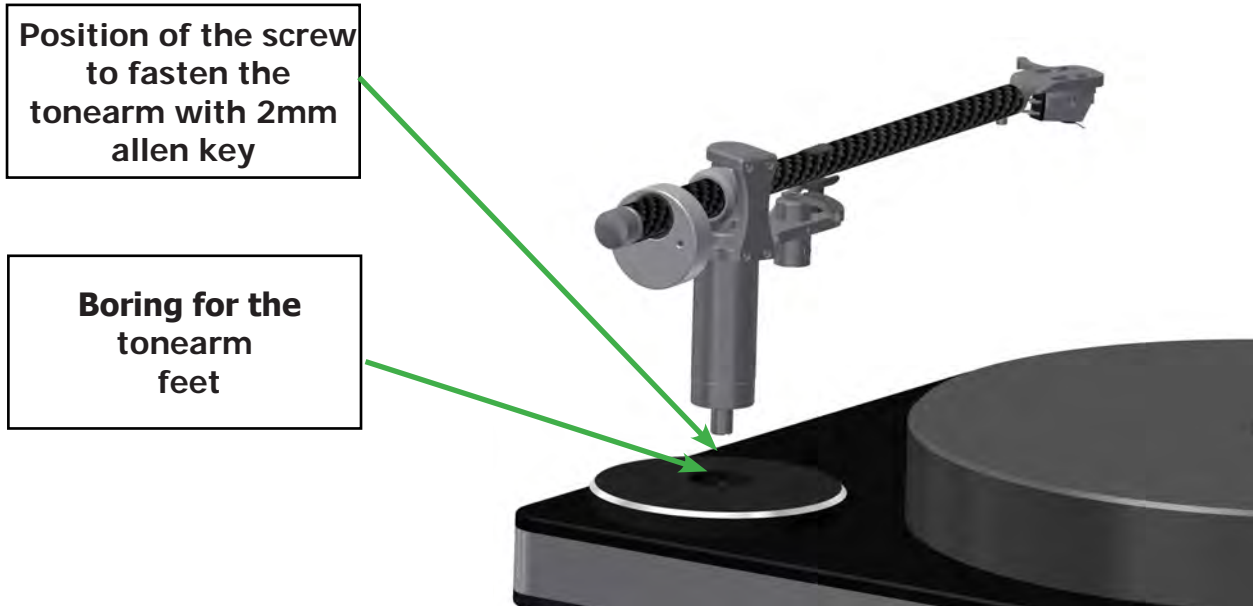
Pic. 9: Adjustment of the level position



Pic. 9.1: Adjustment of the height

2.8

If the *Performance DC* turntable was purchased as a package together with the *Clarify* tonearm, please follow the below described installation of the tonearm.



Pic. 10: Rear view *Clarify* tonearm

1. Insert carefully first the cable and then the tonearm feet through the hole of the tonearm base.
2. Now adjust the tonearm height.
3. At the end secure the tonearm with the screws which are already integrated at the front of the mounting base.
4. For tonearm and cartridge mounting please refer to the user manual of the respective manufacturer.

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If you purchased the **Clearaudio Performance DC** as package with tonearm and cartridge, you received also a Smart Stylus Gauge as accessories, which allows you to adjust the tracking force of the cartridge.

This position of the diamond correlates to a tracking force of 20mN (2.0g).



tracking force too high!



tracking force too low!



Pic. 11: Use of the Smart Stylus Gauge

Now you can connect the *Performance DC* turntable with the main supply.



Pic. 12: Connection to the main supply

2.9 Speed fine adjustment

As the motor adjustment is already pre-set at the factory, you don't have to check the speed before using the turntable for the first time.

If you want to check the speed of your turntable by yourself over the time, we recommend to use a Stroboscope Testrecord. To adjust the speed so perfectly and precisely as possible, we recommend the **Clearaudio** Stroboscope Testrecord (Art. No. AC038) and the **Clearaudio** "Speed Light" (Art. No. AC039, both available at www.analogshop.de).

On the backside (close to the power supply input) of your turntable there are three setting trimmers:



- Left trimmer = setting 78rpm
(near power supply jack)
- Middle trimmer = setting 45rpm
- Right trimmer = setting 33 1/3rpm

Pic. 13: Speed fine adjustment

Urgent:

Don't use a metal screw driver. Only use screw driver made out of synthetic or ceramic material, to avoid circuit damage.

Now you are finally ready to play your vinyl records!

Attention:

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

We wish you a lot of pleasure with your new *Performance DC* turntable.



3. Troubleshooting

If you have a problem with your *Performance DC* 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.



4. Technical Data

Construction details:	Resonance-optimised body, highly compressed wood chassis in sandwich construction embedded between two aluminium plates.
Speed options:	33 1/3, 45, 78rpm
Drive unit:	- Decoupled and resonance damped 12V DC motor - Flat belt-drive - Plug-in power supply unit designed for worldwide use with all networks and power frequencies.
Bearing:	Inverted bearing with polished ceramic shaft in a sintered bronze bushing, Clearaudio patented ceramic magnetic bearing (CMB)
Platter:	40mm / 1.57 inch main platter, made out of synthetic material with high-density and excellent dimension stability, precision CNC machined surface, aluminium sub-platter
Speed accuracy (measured):	± 0.05%
Power consumption:	Max. consumption: 3.3 watts Consumption in operation: 1.6 watts Standby mode: < 0.5 watts Off mode: 0.0 watts
Total weight:	Approx. 11.0kg
Dimensions (W/D/H):	Approx. 16.54 x 12.99 x 4.92 inches (without tonearm)
Dimensions (W/D/H):	Approx. 420 x 330 x 125mm (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 *Performance DC* 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.



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2025