



Loving music

absolute phono inside

User manual

Bedienungsanleitung



Abb. ähnlich /
Pic. similar





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Dear **Clearaudio** customer,

The **Clearaudio** *absolute phono inside* is a true symmetrical circuit moving coil phonostage. The circuit design is identical to the *absolute phono* in-headshell amplification version. Due to a new breakthrough-technology with true symmetrical amplification circuitry, the signal to noise ratio is improved by approximately ten decibels across the entire audio bandwidth.

The *absolute phono inside* is designed and constructed without compromise. The sophisticated power supply is located in a separate chassis to keep mains-borne interference to a minimum. No relays or coupling capacitors are used in the signal path as they would otherwise degrade the sound. In addition, hand-selected state-of-the-art non-magnetic **Clearaudio** Silver Glimmer capacitors are used at key areas throughout the circuit where they further contribute to the exceptional sound quality.

The *absolute phono inside* features two pairs of phono inputs: one pair of balanced XLR inputs (L/R) and one pair of unbalanced RCA phono inputs (L/R) as well as a pair of balanced XLR outputs (L/R).

The *absolute phono inside* is equipped with a bright blue single multi-function switch for 'On', 'Off', 'Mute' and 'Standby' modes.

The circuitry of the *absolute phono inside* is designed to work perfectly with any moving coil cartridge from any manufacturer. This is ensured due to the sophisticated current amplification circuit which eliminates the need to set the correct load resistance and load capacitance. The optimum operating condition is always set automatically.

Clearaudio wish you the greatest of enjoyment with your new *absolute phono inside*.



Loving music



Safety instructions

1. General information

Check the device for visible damage before using it for the first time. If the device is damaged, it should not be connected to the mains.

Also, never connect the device if it has been dropped or gotten wet, contact your dealer to have the device inspected.

Never expose the device to rain or moisture.

Never touch the power cord of the device with wet hands.

For your own safety, regular visual inspections of any defective insulation on the connection cable are also recommended. A damaged cable should be replaced immediately by a specialist!

Never pull on the power cable to unplug the device, but directly on the plug!

The inside of the device is maintenance-free, never open the housing or try to repair the device yourself. This can also lead to loss of warranty.

If you do not operate the device for a longer period of time, we recommend disconnecting the power supply from the mains.

Not suitable for children! Scope of delivery may contain small parts that can be swallowed.

2. Intended use

The *absolute phono inside* is a phono preamplifier to amplify the signal of the phono cartridge.

The intended use of the *absolute phono inside* in accordance with 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

The device should only be set up on leveled surfaces.

Avoid location 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 in heated rooms.

Never block the ventilation slots or cover the device with a cloth or similar.

No objects with an open flame may be placed on the device (burning candles or similar).

Phonostages provide a very high level of amplification, to address the fact that the electrical signal generated by a phono cartridge is extremely low. As a result, phonostages are extremely sensitive, which leads to the potential problem that high-frequency interference may also be amplified to a point at which it becomes noticeable. Unfortunately it is not possible to completely protect the sensitive phonostage circuitry from this interference without degrading its high fidelity performance.

Therefore care must be taken to position the phonostage away from sources of high frequency interferences such as mobile phones, modems and powerline communication systems (PLC) in which data is sent over the mains power network.

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

Only use a soft cloth with a smooth surface for cleaning. Never use aggressive cleaning detergent.

6. Health information

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

7. Service

During the gurantee period, the *absolute phono inside* may only be repaired by the manufacturer, otherwise the warranty will become void.

All **Clearaudio** products should only be serviced by specialist retailer.

If despite the high production standard, a repair is necessary, the *absolute phono inside* must be sent to **Clearaudio** through your dealer.

8. Transport

Always use the original packaging when transporting the **Clearaudio** *absolute phono inside*.

Be sure to pack the device exactly as it was shipped.

Safe transport is only guaranteed in the original packaging.

When packing, proceed in reverse as described for assembly.

9. Disposal



Do not dispose 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.

1. Installation and setup

Before you start, make sure that the tonearm is correctly installed on your turntable. To proceed with installation and set-up, please see the rear panel of your **Clearaudio** *absolute phono inside*.

Rear view:



Pic. 1: Rear view

Please proceed as follows:

1. Connect the tonearm ground wire to the "GND" terminal.
2. Connect the tonearm to the input marked with "phono in R / phono in L". You can use either RCA or XLR inputs. To avoid hum problems by using the RCA Phono input, please make sure that the RCA or XLR plugs and the tonearm ground wire are securely connected.
3. Plug the XLR output cable into the XLR output sockets and connect them to your linestage preamplifier.
4. Connect the power supply provided, to the socket marked "DC in" on the *absolute phono inside* main RIAA unit, then connect this power supply to your mains power supply and switch the button on "I".
5. With "DIMMER" you can adjust the light intensity of the blue LED-Ring on the front side.

Important: Please note that you should use only the Clearaudio power supply provided.



Pic. 2: Front view

6. Gently press the push button on the front of the *absolute phono inside*. The blue LED ring will flash approximately seven times and then glow steadily.

Your **Clearaudio** *absolute phono inside* is now ready to use and enjoy.

1.1. Mute and On / Off modes

To select the mute-mode, briefly tap the multi-function button on the front of the *absolute phono inside*. The LED ring will flash quickly.

To return to normal operation, tap the button again, now the LED ring will glow steadily.

To switch the *absolute phono inside* off, press the button a little longer. At first the LED ring flashes quickly and then slower until it expires.



2. Troubleshooting

If you have a problem with your *absolute phono inside*, 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 and the power switch turned on?	Check the connection.
No sound or low volume?	Did you choose the right input?	Check the connections of your hifi components.
	Have you selected the correct operating mode?	Check the settings on the underside of the phono stage.
	Is the device in „mute“ mode or is the volume set too low?	Check the volume setting of your device.
	The connection cables are not properly connected.	Check the tonearm and cartridge connections due the their respective user manual.
	Devices with a headphone output only: Are the headphones still plugged in when you are trying to play music through the speakers?	Disconnect the headphones.
Hum or noise	The ground cable is not connected or is faulty.	Connect the grounding cable from the turntable/tonearm to the respective grounding connection on the back of the device. If there are several ground connections, interrupt them one after the other and check the sound quality again.
	The device should not be operated in the vicinity of high-frequency devices such as mobile phones or modems or on power supply systems used for data traffic (PLC).	Make sure there is a minimum distance of 30cm between the power supply units of any type and the MC preamplifier or phono preamplifier. Powerlan adapters should not be operated on the same socket as the phono preamplifier.
One channel quieter or louder	The channels of an input are set differently.	Check the settings on the underside of the phono stage. These must be carried out identically for an input.

3. Technical data

Mode:	MC mode
Amplification:	60dB
Input load:	250kΩ
THD:	< 0.001%
Signal to noise ratio:	90dB (A-weighted)
Headroom:	+ 23dB
RIAA:	RIAA standard, deviation less than 0.1dB
Channel separation:	100dB
Output impedance:	64Ω (balanced XLR) 32Ω (unbalanced RCA)
Inputs:	2 (balanced XLR / unbalanced RCA)
Outputs:	unbalanced (RCA) balanced (XLR)
Power consumption:	Consumption in operation: 6.5 watts Off mode: 0.0 watts
Power supply:	Switching power supply Input: 100 - 265V AC / 50 - 60Hz
Total weight preamplifier:	Approx. 3.25kg
Total weight power supply:	Approx. 3.20kg
Dimensions preamplifier (W/D/H):	Approx. 240 x 160 x 65mm
Dimensions preamplifier (W/D/H):	Approx. 9.45 x 6.30 x 2.56 inches
Dimensions power supply (W/D/H):	Approx. 240 x 160 x 65mm
Dimensions power supply (W/D/H):	Approx. 9.45 x 6.30 x 2.56 inches
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 *absolute phono inside* phono-preamplifier 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 of 1 years can be considered. The full 2 year warranty can only be honoured, if the product is returned in its original packing.

Um für die Phonovorstufe *absolute phono inside* die volle **clearaudio** Garantie von fünf (5) Jahren in Anspruch nehmen zu können, senden Sie uns bitte die beigelegte Garantiekarte innerhalb von zwei Wochen korrekt und vollständig ausgefüllt zu oder registrieren Sie das Produkt online unter <https://clearaudio.de/de/service/registration.php>, da sonst nur die gesetzliche Gewährleistung von einem (1) Jahr berücksichtigt werden kann. Nur, wenn das Produkt in der Originalverpackung zurückgeschickt wurde, kann **clearaudio** die volle Garantiezeit gewährleisten.

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 beigelegten 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.



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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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