

Tracer



Loving music

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Bedienungsanleitung



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Dear **Clearaudio** customer,

Thank you for your decision to purchase the *Tracer* tonearm from **Clearaudio**.
This tonearm is manufactured to the highest degree of tolerance and quality.

Drawing on engineering tricks from the finest watchmakers, it features a high-precision, low friction jeweled bearing, judiciously crafted from tungsten and sapphire. The carbon tonearm tube is both extremely rigid and very lightweight, giving a perfect combination of stability and agility.

The anti-skating force is effortlessly adjustable by way of a simple dial within perfect reach, while the aluminium headshell allows the azimuth to be easily fine-tuned.
The counter-weight is underslung providing an optimal centre of gravity and allowing straight forward adjustment of the tracking force.

Please take a moment to read this owner's manual to ensure correct set-up, to avoid any possible damage and to learn how to take good care of your **Clearaudio** *Tracer* tonearm to ensure that it will give many years of musical enjoyment and pleasure.

Your **Clearaudio** team
Clearaudio electronic GmbH

Warning

Do not expose the equipment to rain or moisture.
Do not handle the mains lead with wet hands.
No naked flame sources, such as lighted candles, should be placed on the equipment.
Only for use on turntables.

CE-MARKING





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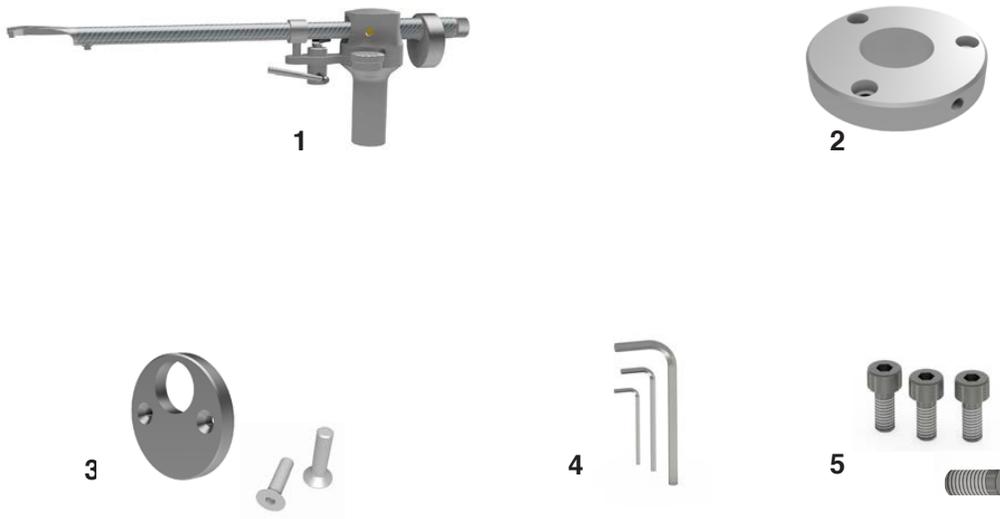
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1. List of components

Clearaudio has developed special and secure packing for your *Tracer* tonearm that ensures safe transportation.

Please keep this original packing, you will need it if you need to ship the tonearm.

Please check the contents as shown in picture below and in the list at the bottom of this page:



Pic. 1: List of components

1.	<i>Tracer</i> tonearm with Sixstream Super Wire cable incl. counterweight	5.	Screws: - 3 pcs. hex screw M4 x 10 - 1 pcs. grub screw M6 x 8
2.	Clearaudio tonearm base	6.	Paper tonearm alignment template (not shown)
3.	1 pcs. additional counter weight 37g 2 pcs. flat head screw (3 x 8mm)	7.	User manual, quality certificate, warranty card and return delivery note (not shown)
4.	3x hex wrench: - 3mm - 2.5mm - 1.5mm Screwdriver (not shown)		



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2. *Tracer* tonearm mounting

To mount the tonearm base on your armboard, please use the hex screws provided (M4 x 10) as shown in Pic.1 No. 5 (page 4).



Pic. 2: Mount tonearm base

Mounting the aluminum clamping ring on a non-Clearaudio turntable:

To install the aluminum clamping ring on the turntable chassis, you will need to drill the required holes. Please refer to the drilling template shown below (Picture 3) for the measurements to mark the exact drilling holes.

Please be informed, that this drawing is not suitable for use as a mounting tool.

Use a 3.3 mm HSS drill bit, then cut an M4 thread into each hole using an appropriate tap cutting tool.

If the turntable chassis material is not suitable for cutting threads, please use a 4.5 mm HSS drill bit to drill the holes through the material. In this case use standard bolts and nuts to fix the arm base.

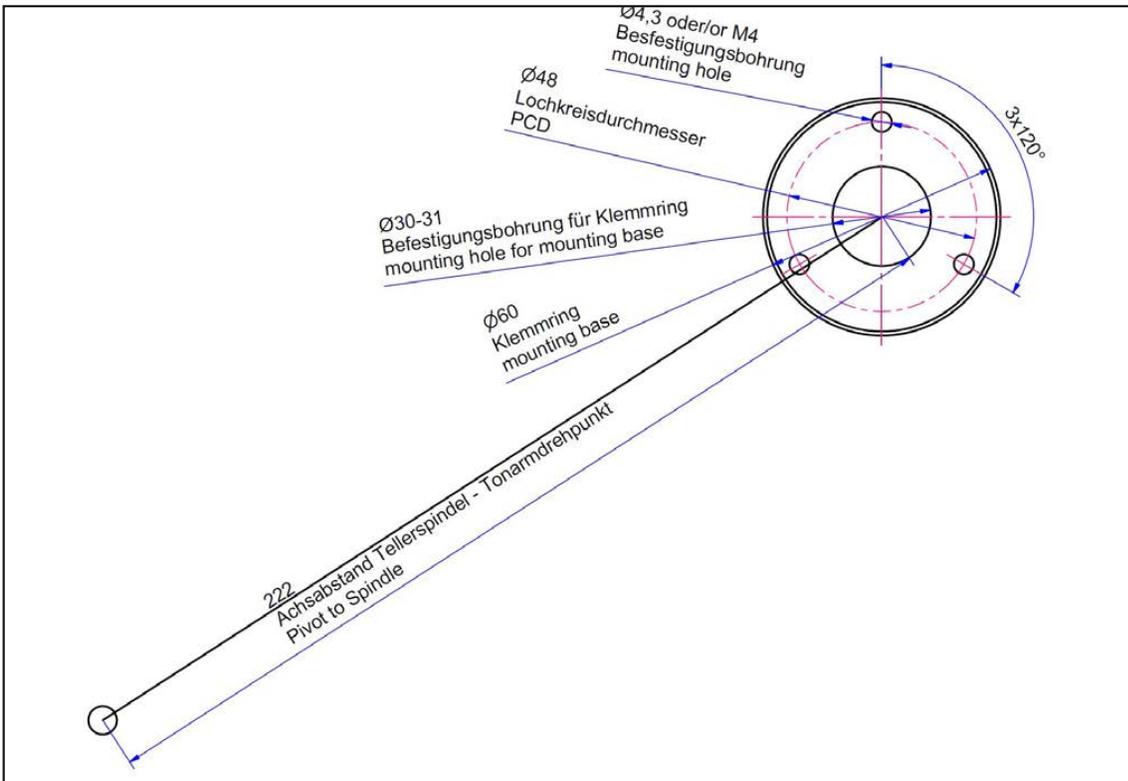


Fig. 3: Mounting the aluminum clamping ring on a non-Clearaudio turntable

Carefully thread the cables and the tonearm through the armboard, taking care not to damage any wires. Now secure the tonearm using the two VTA lock screws on the right and the left side, but not too tight so that you can adjust the VTA in the next step.



Fig. 4: Threading the tonearm through the armboard



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Ensure that the distance from the spindle to the pivot point of the tonearm is exactly 222 mm. Moving the armboard in one direction or another will allow you to locate the correct position. You can also use optional the **Clearaudio cartridge alignment gauge** (Art. No.: AC005/IEC www.analogshop.de).

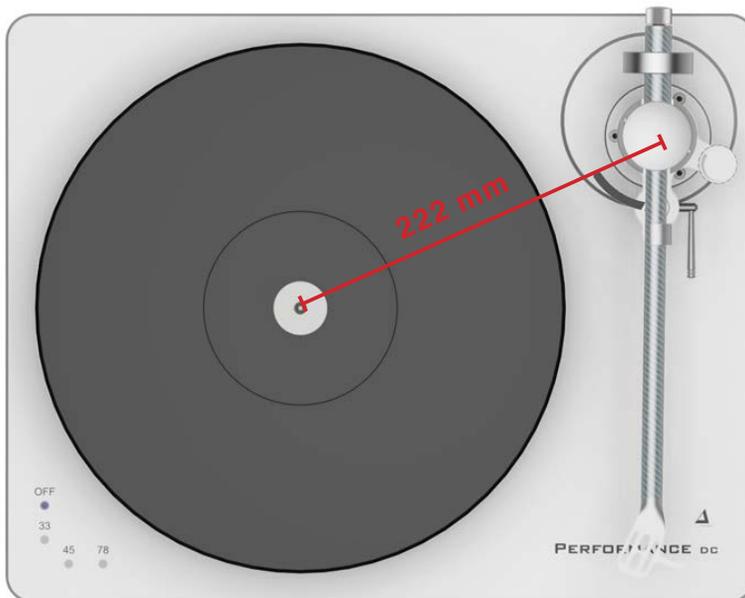


Fig. 5: Distance from pivot to spindle

You can now mount the cartridge.

VTA adjustments are accomplished by loosening the two VTA lock screws on the side of the armboard base (shown in picture 5 below). Once loose, you can move the arm up or down to achieve the desired VTA. Always ensure that you adjust the VTA such that the tonearm tube is parallel to the turntable chassis. Tighten the screw when finished.

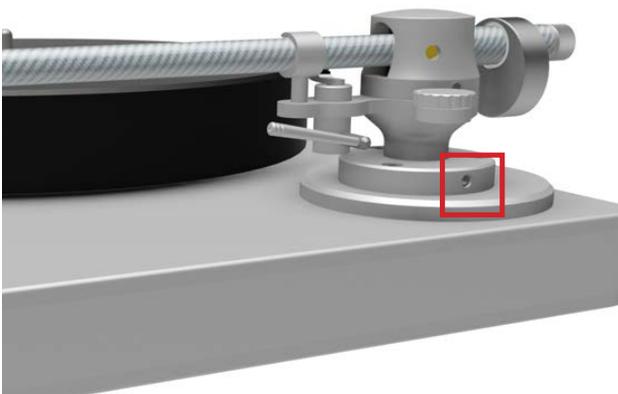
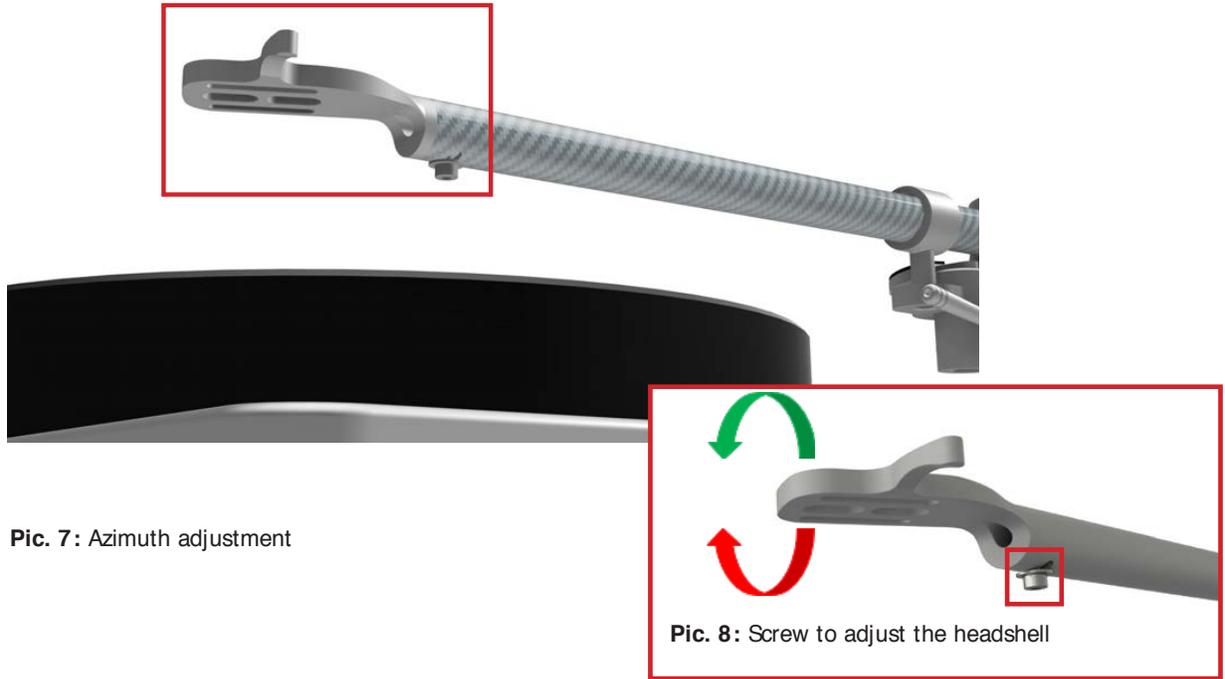


Fig. 6: VTA adjustment

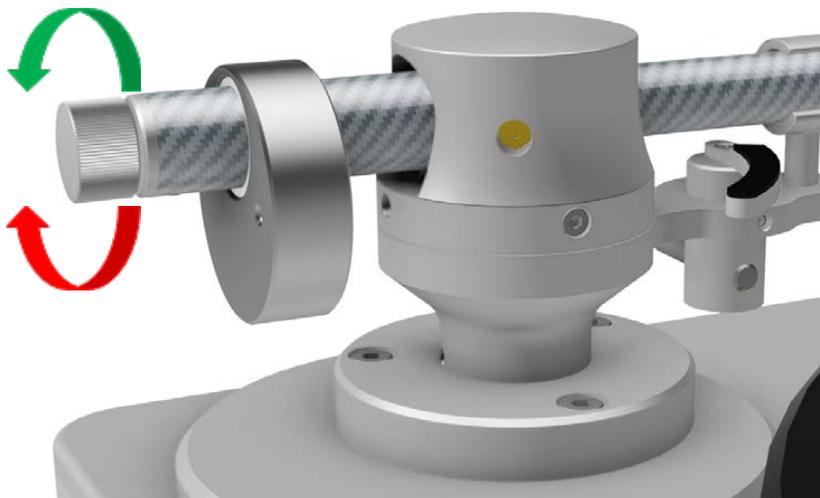
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Azimuth adjustments are made by loosening the small (1.5 mm) hex bolt (red marked screw) on the bottom side of the armtube where the headshell enters the armtube. Once you loosen this screw, you'll be able to rotate the headshell a small amount in either direction. Be sure to tighten the screw when done.



You can adjust the tracking force of your cartridge by turning the adjustment screw (shown in the picture below)

Green arrow = more tracking force (counter clockwise)/
Red arrow = less tracking force (clockwise)



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Now you are ready to adjust the antiskating force. The level of antiskating force required will depend on the tracking force of the cartridge.

<u>Level of antiskating</u>	<u>Tracking force</u>	<u>Position of the antiskating control</u>
minimal antiskating	>> 10 – 15mN	>> see illustration 1
medium antiskating	>> 15 – 20mN	>> see illustration 2
maximum antiskating	>> 20mN and more	>> see illustration 3

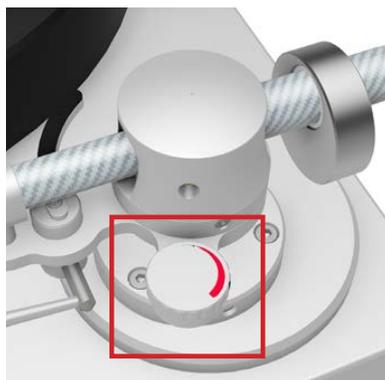


Illustration 1
(minimal antiskating)

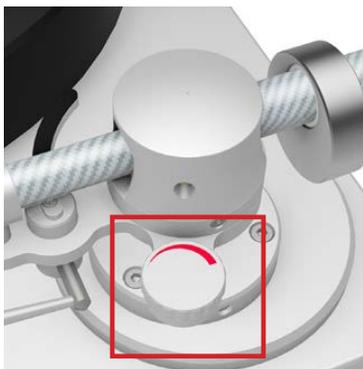


Illustration 2
(medium antiskating)

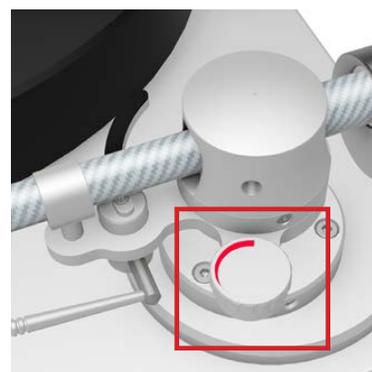


Illustration 3
(maximum antiskating)

Pic. 10: Position of the antiskating control

The general setup is now complete.

Now you can connect your *Tracer* tonearm with the phono input of your phono-preamplifier. For more information on compatible phono-preamplifiers, see our website www.clearaudio.de.

Now you are ready to play your vinyl records.

Clearaudio wishes you much enjoyment with your new *Tracer* tonearm.

3. Special notes

3.1 Maintenance

If you don't use your *Tracer* tonearm for while (eg. two weeks or more), you are advised to raise and lower the arm's cueing lever/arm lifter a few times over that time period to avoid it sticking in the raised position.

3.2 Transportation

Should further transportation of the *Tracer* tonearm be necessary, please always use the original packing material to avoid the risk of damage.

3.3 Service

If any servicing or repair of a **Clearaudio** product is necessary, please first contact your dealer or distributor. Alternatively contact **Clearaudio** directly and we will advise you of your nearest service location.

PLEASE RETAIN ALL ORIGINAL PACKAGING. You will need it if this product has to be shipped or otherwise transported.

Any further questions you may have about this product should be directed to your local dealer or direct to **Clearaudio** at:

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4. Technical data

Construction details:	Radial tonearm with horizontal sapphire bearing and vertical ball bearing. Fine adjustment of the azimuth. Available in black or silver carbon with matching aluminium parts.
Cartridge balance range:	3g - 17g
Overhang:	16.935mm
Offset angle:	25°
Wiring:	Clearaudio Sixstream Super Wire (1.1m) terminated with RCA plug
Mounting style:	Clearaudio (diameter of bore 24.85mm)
Weight:	363g (incl. counterweight)
Warranty:	3 years*

* Provided that the warranty card is correctly completed and returned to **Clearaudio** within 14 days of purchase.

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