



Loving music

Satisfy Kardan

User manual
Bedienungsanleitung



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Dear **Clearaudio** customer,

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

The *Satisfy Kardan* is available with Carbon fibre, Aluminum black or Aluminum silver tonearm tube.

Please take a moment to read this owner's manual to ensure correct set up, to avoid any possible damage and to learn how proper care of your **Clearaudio** *Satisfy Kardan* tonearm which will give you 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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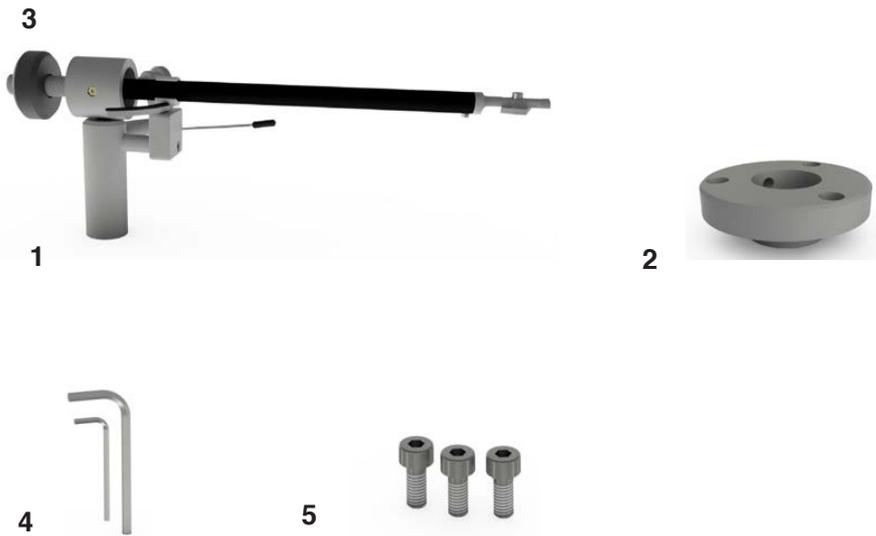
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1. List of components

Clearaudio has developed special and secure packing for your *Satisfy Kardan* 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>Satisfy Kardan</i> tonearm with Direct Wire Plus cable | 5. | Screws: - 3 x hex screw M4 x 10 - 1 x grub screw M6 x 8 |
| 2. | Clearaudio tonearm base | 6. | Paper tonearm alignment (not shown) |
| 3. | <i>Satisfy Kardan</i> counterweight | 7. | User manual, Quality Certificate, Warranty card and return delivery note (not shown) |
| 4. | Hex wrench: - 3 mm - 2.5 mm - 1.5 mm Screwdriver | | |

2. Satisfy Kardan tonearm mounting

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 2) 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.

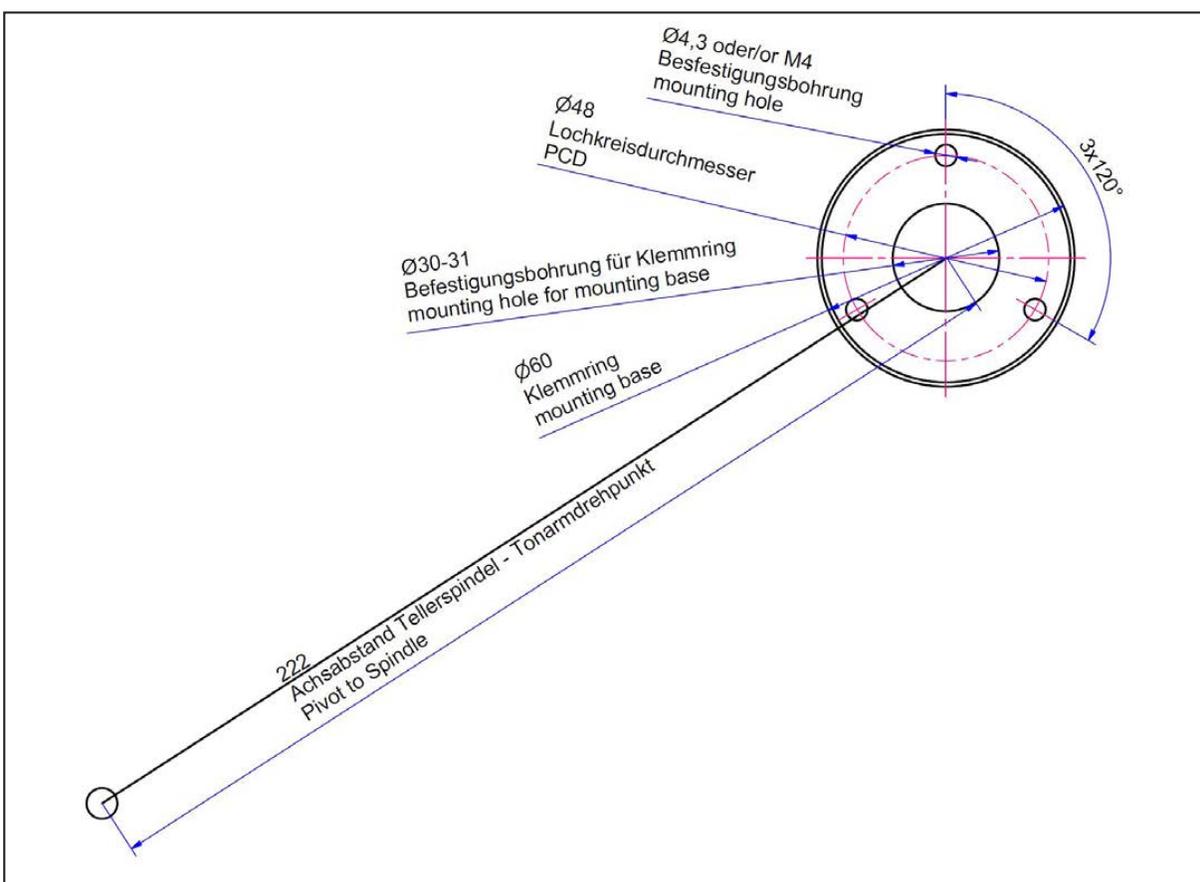
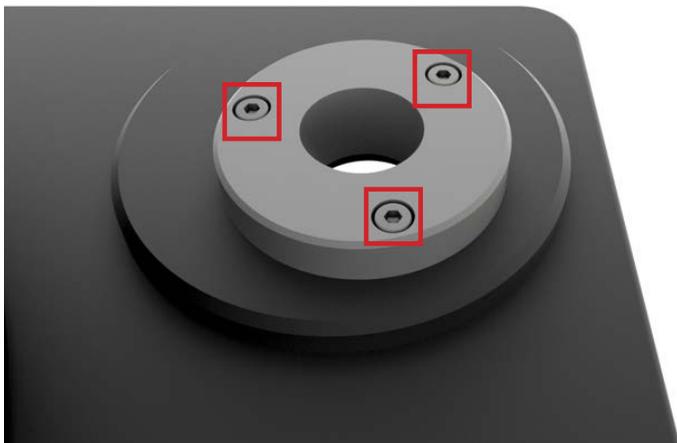


Fig. 2: Dimensions for the correct positions of the boreholes

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To mount the tonearm base on your armboard, please use the delivered allen screws (M4 x 10), as you can see in Pic.1 No. 5.



Pic. 3: Mount tonearm base

Please put careful the cables and the tonearm through the armboard, pay attention that no wire will be damaged! Now fix the tonearm with the 2 screws on the right and the left side, not to much, so that you can adjust it in the next steps!



Pic. 4: Putting the tonearm through the armboard

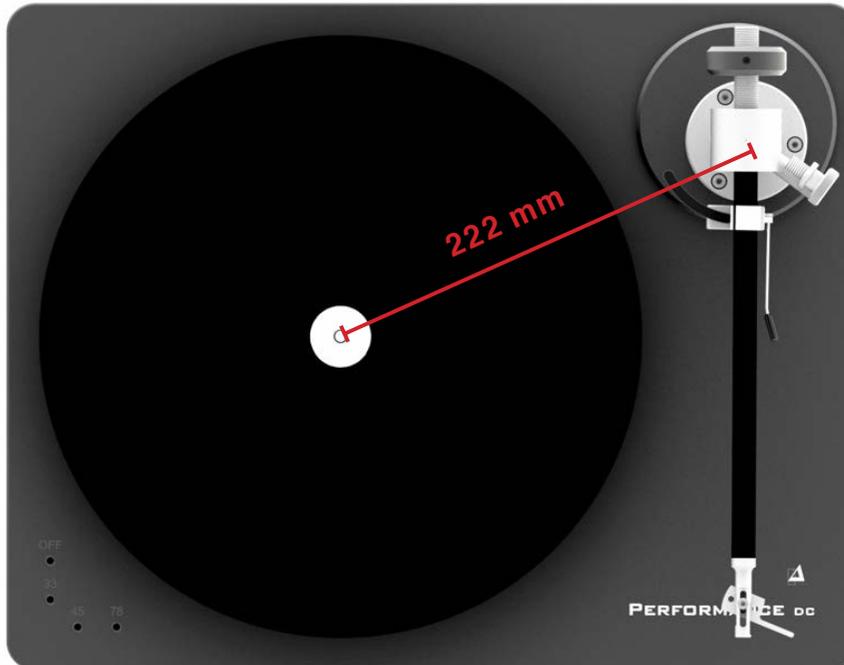


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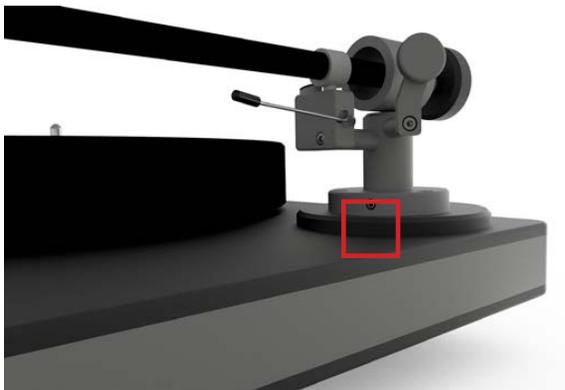
Insure that the distance from the spindle to the pivot point of the tonearm is exactly 222 mm. Moving the armboard in one direction or another will allow you to locate the correct position. Once located, tighten the armboard down. Shown in the picture below. You can also use the optional **Clearaudio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

For the exact adjustments should be the cartridge mounted!



Pic. 5: Distance from pivot to stylus

VTA adjustments are accomplished by loosening the lock screw on the side of the armboard base (shown in picture 5). Once loose, you can move the arm up or down to achieve the desired VTA. Tighten the screw when finished. Re-check tracking force after adjusting VTA. Please adjust the tonearm tube parallel to the turntable chassis!



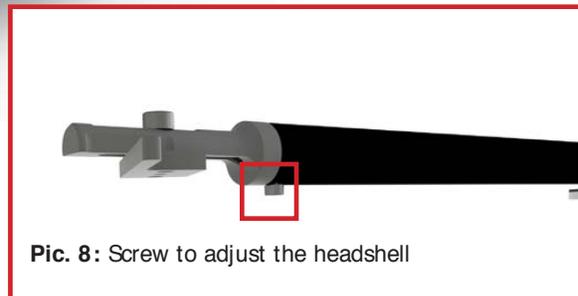
Pic. 6: VTA-adjustment

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Azimuth adjustments are facilitated through the small (1.5 mm) hex wrench (red marked screw) on the bottom side of the armwand where the headshell enters the arm tube. 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.

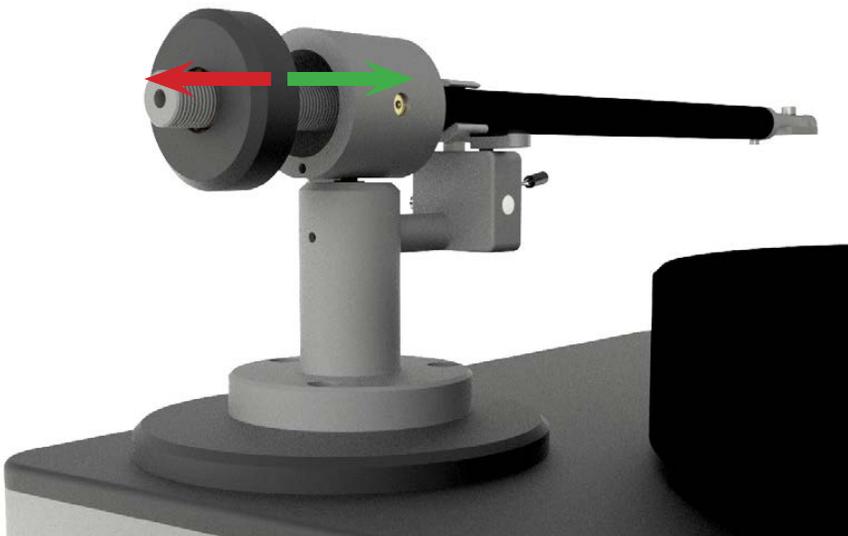


Pic. 7: Azimuth adjustment



Pic. 8: Screw to adjust the headshell

Wind the counterweight on the tonearm tube. You can adjust the tracking force of your cartridge by turning the counterweight (shown in the picture below) (**green arrow = more tracking force / red arrow = less tracking force**).



Pic. 9: Tracking force adjustment

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Now you are ready for the antiskating adjustment.

This also depends on the tracking force of the cartridge and the diamond shape.

| <u>alignment of the antiskating</u> | <u>tracking force</u> | <u>position of the antiskating screw</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)

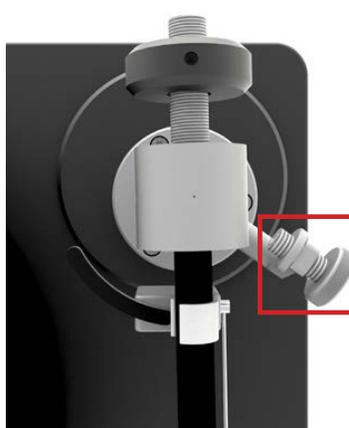


Illustration 2
(medium antiskating)

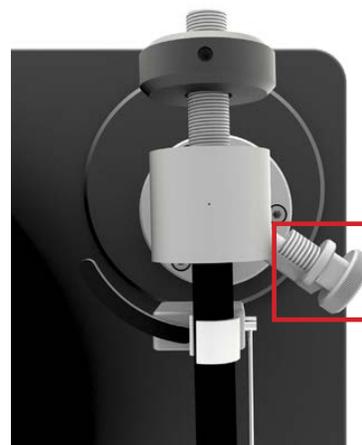


Illustration 3
(maximum antiskating)

Pic. 10: Alignment of the antiskating

The general setup is now finished.

Connect your *Satisfy Kardan* tonearm now with the phono input of your phono-preamplifier.
(More information on adequate phono-preamplifiers and interconnects you can find on our website www.clearaudio.de).

Now you are finally ready to play your vinyl records.

Clearaudio wish you a lot of pleasure with your new *Satisfy Kardan* tonearm.

3. Special notes

3.1 Maintenance

If you don't use your *Satisfy Kardan* tonearm for a longer time, please move the tonearm lifter in regular intervals. This avoid that the tonearm hang in a position when you listen to the music again.

3.2 Transportation

Should further transportation of the *Satisfy Kardan* tonearm be necessary, please always use the original packing material. Otherwise serious damage could occur.

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 transported and/or shipped. 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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info@clearaudio.de



4. Technical data

| Tonearm version | Aluminum silver Aluminum black | Carbon |
|--|---|---|
| Tonearm weight: | 350 g | 345 g |
| Cartridge balance range: | 2.5 g - 17 g | 2.5 g - 17 g |
| Null points: | Inner: 66.0 mm Outer: 120.9 mm | Inner: 66.0 mm Outer: 120.9 mm |
| Audio lead: | Clearaudio Direct Wire Plus (1.1 m) terminated with RCA connector Cable-capacity: 156pF/m Cable-induction: 0,52µH/m Cable-resistance: 0,46Ω/m | Clearaudio Direct Wire Plus (1.1 m) terminated with RCA connector Cable-capacity: 156pF/m Cable-induction: 0,52µH/m Cable-resistance: 0,46Ω/m |
| Overhang: | 17.31 mm | 17.31 mm |
| Overall length: | 302 mm | 302 mm |
| Effective tonearm length: | 9 inches (exact 239.31 mm) | 9 inches (exact 239.31 mm) |
| Distance from pivot: | 222 mm | 222 mm |
| Tilt angle: | 25.54 ° | 25.54° |
| Maximum of tilt angle according to the radius: | 0.123°/cm | 0.123°/cm |
| middle skatingfactor at a radius of 62.9 mm and 126.9 mm: | 0.43 | 0.43 |
| Warranty: | 2 years* | 2 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.

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