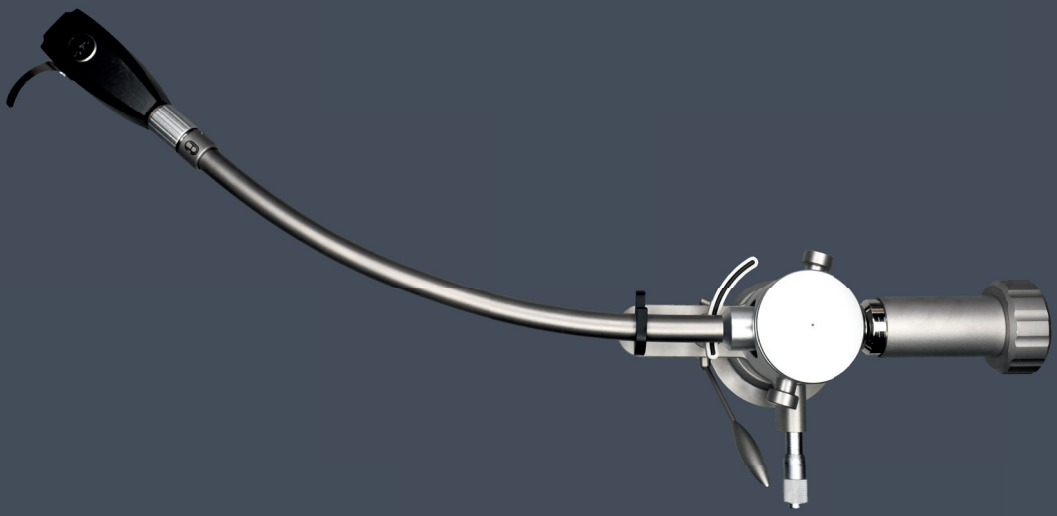
AUDIO CREATIVE

GrooveMaster

Manual



GrooveMaster-II S/N	
Tonearm length	
Pivot to Spindle distance (mm)	
Offset angle	
Overhang (mm)	
Production date	

Thank you for purchasing the GrooveMaster III tonearm. The innovative GrooveMaster III tonearm features high quality ceramic bearing technology, a micrometer-style adjustable anti skating and an azimuth adjustable tonearm connector.

Audio Creative recommends the GrooveMaster III tonearm in combination with the Audio Creative Ebony or Walnut headshell for best performance or any of the Ortofon SPU cartridges. The GrooveMaster III is built in The Netherlands by true expert craftsmen. The latest GrooveMaster III technology combining a timeless, classic design ensure the best possible sound enjoyment. Please read this instruction manual carefully, to avoid any damage or loss of warranty. This manual will help you achieve an easy setup and guarantees the highest pleasure for a long time. We wish you a lot of listening pleasure with your new GrooveMaster III tonearm.

The Audio Creative team

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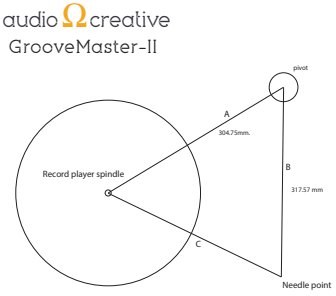
1. General Tonearm Data

Construction details:	High quality ceramic bearing technology tonearm, micrometer style adjustable magnetic antiskating, adjustable counterweight.
Tonearm wiring	99.999% silver wire, 38AWG terminated with Teflon 5 pin DIN connector
Effective Mass 9", 10", 12"	approx. 20, 25, 29 gram
Cartridge compliance	5 - 15 µm/mN
Tonearm connector	DIN 5P connector
Headshell connector	EIA standards 4 Pin connector

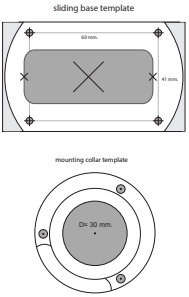
2. Setting up your GrooveMaster III

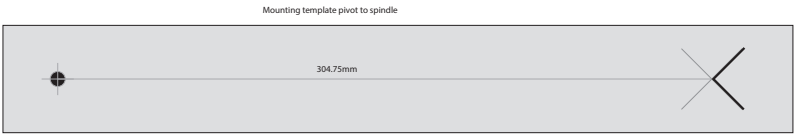
In the box you will find an accurate mounting sjablone. Please prepare your turntable with the correct positions of the mounting holes for the arm base and/or sliding base. You find the dimensions in the picture below and on the sjablone.



A= pivot to spindle = 304.75 mm.
B= effective length = 317.57 mm.
C= distance spindle to needle = 240 mm. (+/- 10 mm.)
Overhang= 12.82 mm.
Offset angle= 17.11 degrees

Anti Skating Setting GrooveMaster-II	
VTF	micrometer setting
1	6
1.5	5.5
2	5
2.5	4
3	3.5
3.5	3
4	2.5
4.5	1.2





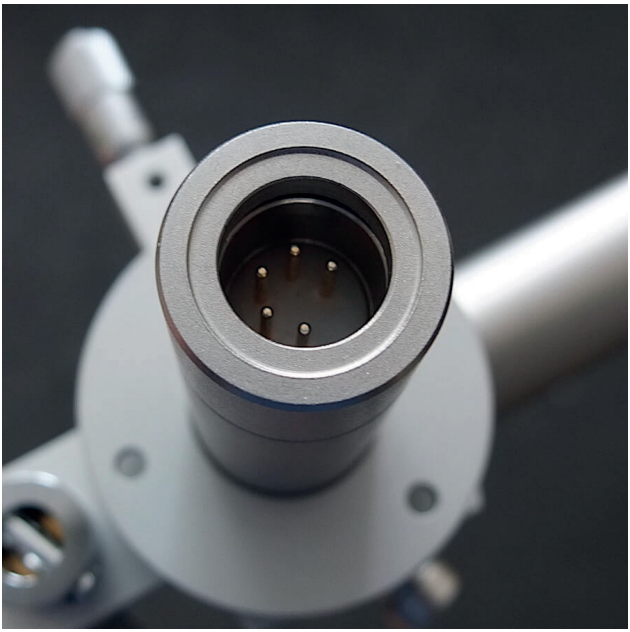
3. Mounting the GrooveMaster III

The GrooveMaster III is built with a specific geometry. The Groovemaster needs to be adjusted exactly to the right pivot to spindle (P2S). This is best done with a good adjustment tool, such as the Smartractor. It is important that this is done accurately!

A correct pivot to spindle distance is particularly important to ensure the correct setting for Ortofon SPU elements.

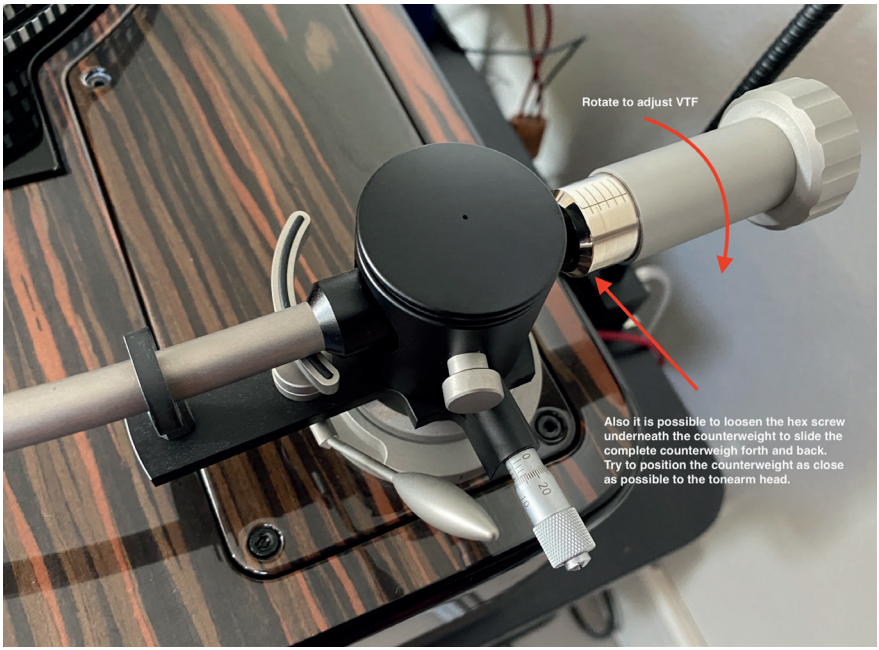
4. Connect the Tone-Arm Cable

The tonearm connector is designed to the highest specification, with a POM base and high quality gold pins. This giving the best possible transmission of the signal. Carefully insert the 5-pin plug of the tonearm cable into the output connector of the tonearm and connect the RCA plugs of the tonearm cable to the input of the phono stage or the pre-amplifier.



5. Setting the Tracking force (VTF)

The GrooveMaster III counterweight is a high quality threaded counterweight with which VTF can be fine-tuned very precise. Also the counterweight itself can be adjusted over the tonearm tube. When using more heavy cartridges or a heavy headshell, you can use a different end-knob by unscrewing it from the counterweight base and replacing it.

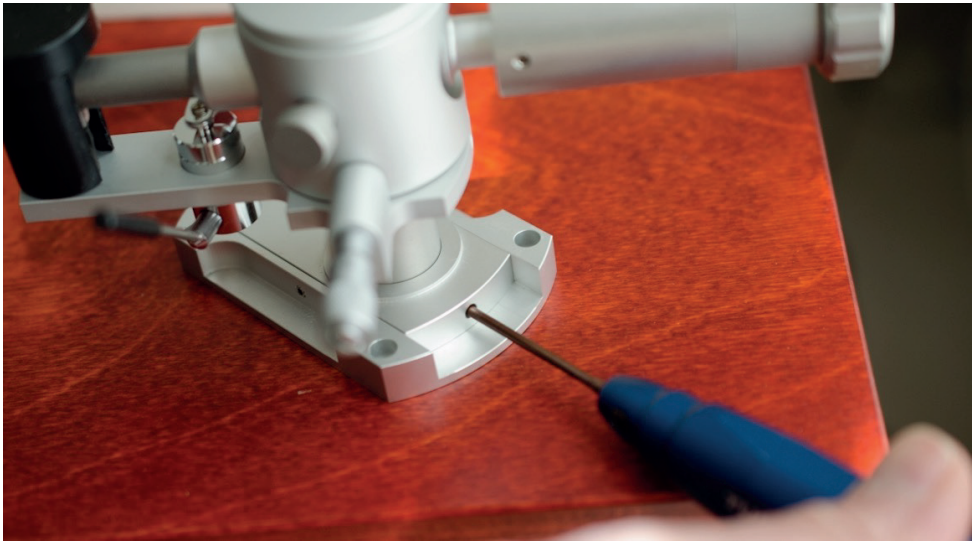


Note:
First, adjust the entire counterweight by gently sliding it over the arm tube until the arm + element are balanced. Then the correct VTF can be set with the fine adjustment.

6. Vertical-Tracking-Angle / VTA

You can change the height of your GrooveMaster III by loosening the locking screws on the side of the mounting collar or sliding base.

Always set the VTF for your cartridge first, or you might damage your cartridges needle/cantilever!



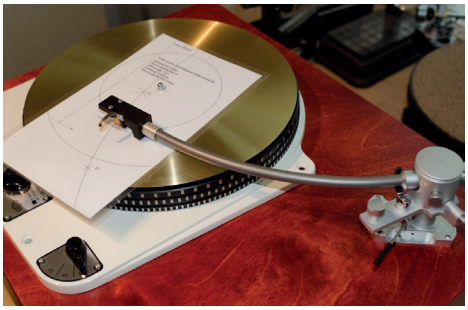
For the adjustment please put a record on your turntable. After loosing the screw, move the arm up or down to adjust the tonearm tube so that it is parallel to the record! Tighten the screw when finished. Please remember to re-check tracking force after adjusting VTA.

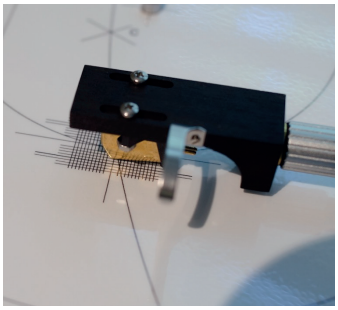
Note: with the RotaryLift the GrooveMaster is set by a collet.

7. Alignment of Cartridge and Tonearm

For setup of the cartridge, you need the supplied ARC protractor. Slide the protractor over the spindle of the turntable platter and turn the platter into the position as shown on the picture. Lower the cartridge and place the diamond stylus of the cartridge on the reference point of the alignment gauge, making sure that the cartridge is parallel to the marked lines printed on the cartridge alignment gauge.

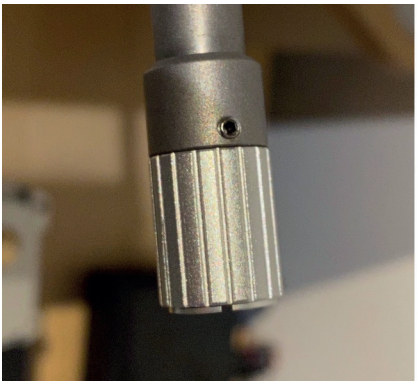
If the configuration is correct, the needle will follow the printed Arc. If not, then you will have to change the position of the stylus. You can loosen the screws on the top of the tonearm`s headshell and move the cartridge into the corresponding position. When you have a sliding base, slide the sliding base back or forth till the correct configuration is achieved.

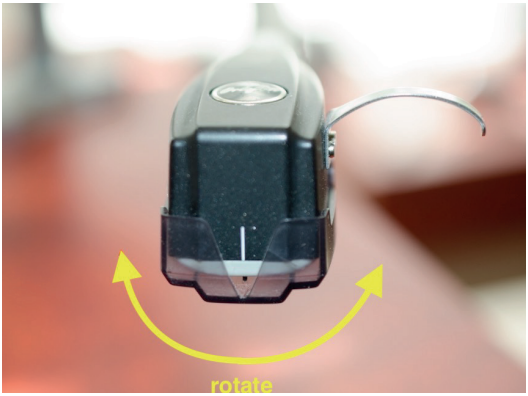




8. Azimuth

The azimuth indicates the angle of the stylus relative to the record, viewed from the front. It should be 90°. The Azimuth is already preset horizontally. If you need to change the azimuth, please loosen the screw on the under side of the tonearm near the headshell using a 1.3 mm hex key screw driver.





Now you can change the azimuth by rotating the cartridge. Once the adjustment is set, lock the screw on the under side of the arm tube near the headshell.

During these settings, you should view the tonearm and the cartridge always from above to avoid parallax errors. After finding the correct position **gently tighten** the screw without changing the selected position.

Be careful not to tighten the screw to much!
No warranty can be given when the screw/thread is damaged.

9. Anti Skating Force

The anti skating setting of the GrooveMaster III is a frictionless, magnetic micrometer setting. With turning the micrometer up and down you can increase or decrease the anti skating force.

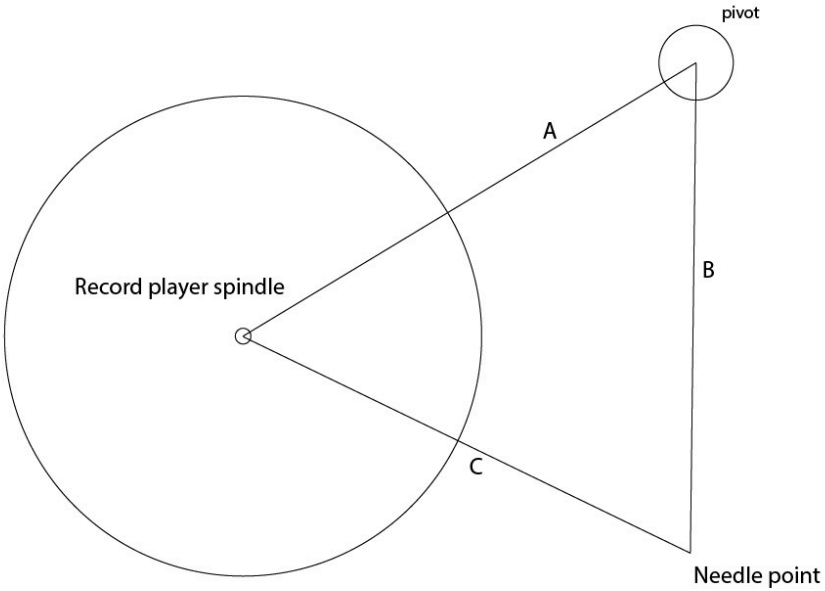
Anti Skating Setting GrooveMaster-II	
VTF	micrometer setting
1	6
1.5	5.5
2	5
2.5	4
3	3.5
3.5	3
4	2.5
4.5	1.2

Note: normally the anti skating on 12 " tonearms is less important. The higher the VTF, the less important the anti skating.

NOTE: The micrometer can be set while playing the record.

10. Positioning the GrooveMaster-III

The distance of the needle to the spindle bearing is important for a correct functioning of the anti skating mechanism. Below you find a schematic for the correct settings.



A= pivot to spindle
B= effective length
C= distance spindle to needle = 240 mm. (+/- 10 mm.)

11. Maintenance, transportation, service

Maintenance
If you don not use your GrooveMaster III tonearm for a longer period, please move the tonearm lifter in regular intervals. This avoid that the tonearm hang in a position when you listen to the music again.

Transportation
Should further transportation of the GrooveMaster III tonearm be necessary, please alway use the original packing material. Otherwise serious damage could occur.

Service
If any servicing or repair of an Audio Creative product is necessary, please first contact us first. 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, please contact us.

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