

ORACLE AUDIO

The Fine Art of Playing Music



Oracle Audio Technologies

Paris Mk V
Owner's Manual

Foreword

Thank you for purchasing the Oracle Paris Mk V. We truly appreciate your support!

This is your Paris Mk V owner's Manual. The following pages will describe as succinctly as possible the assembly of your new turntable. Although some operations are self explanatory, we strongly suggest you read this booklet thoroughly to better understand the importance of the different key adjustments.

Your Paris Mk V is a precision instrument and its performance is directly linked to the quality and accuracy of the different adjustments you will perform. It is important to set up your new turntable with the utmost care so it can effectively convert record groove modulations into outstanding musical performance and enjoyment!

Maximum performance and total accuracy of your source system can only be achieved by following a logical step by step process where each and every minute details about the turntable suspension calibration, tone arm and cartridge installation and alignment are carefully and accurately addressed and executed with maximum precision.

The Oracle Paris turntable is an artwork of geometry. Please take your time setting up your turntable !

For your records

Oracle Paris Mk V, serial Number: _____

Power Supply Serial Number: _____

Dealer Name: _____

Dealer Address: _____

Dealer Phone: _____

Purchase Date: _____

We suggest you keep your sales slip together with this owner's guide.

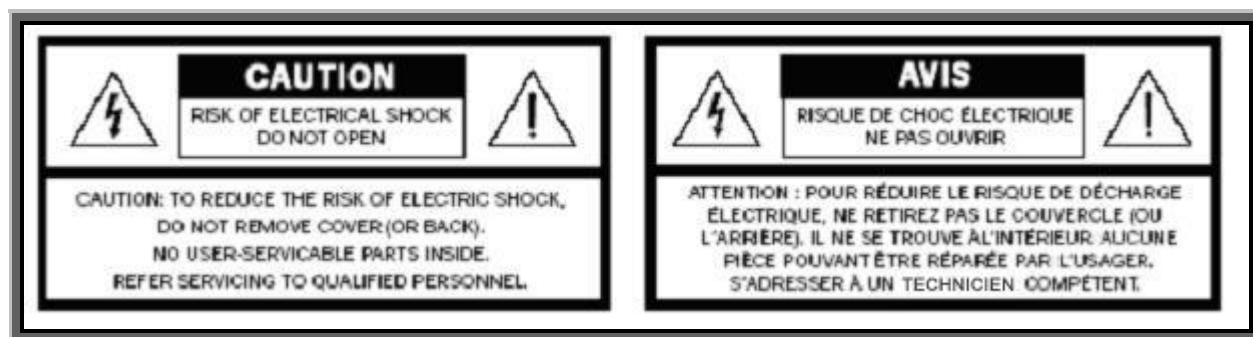


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Unpacking your Paris Mk V

Before you begin the set up process, it is important that you find a clean and rigid surface where you will be able to safely place the turntable for the assembly. Make sure there is adequate lighting.

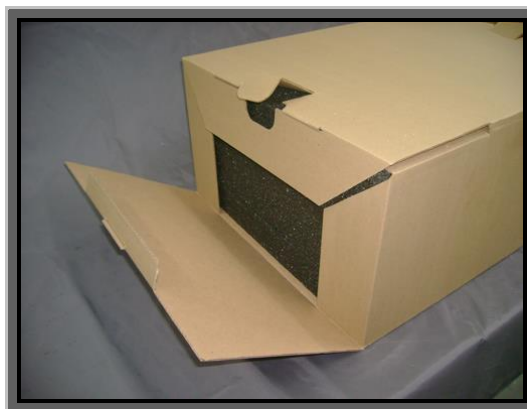
The packaging system has been designed to protect your Oracle Paris Mk V from the abusive handling normally encountered during shipping. Such packing material is expensive. (the replacement cost is around 195\$). We recommend you save it and also save the plastic bags for future handling. When repacking your turntable, position each item in its allocated section. When repacking always use the protective plastic bags to prevent a direct contact between the clear protective coating and the foam packaging.

It is mandatory to use the original packaging for any warranty return to the factory!

All the accessories are strategically and safely located in the packaging to prevent them from flying loose. This will prevent any damage to your turntable during shipping.

The very first step:

- Open the outer box.
- Remove the four protective foam corner pieces.
- Lift the inner box by lifting it straight up and out.
- Open the flaps on both ends and then the top cover, the inner box will then spread open.



Caution:

DO NOT ATTEMPT TO LIFT THE THE WHOLE FOAM PACKAGING FROM THE INNER BOX WITH THE TURNTABLE INSIDE. THE BOTTOM LAYER IS QUITE FLEXIBLE AND SOME PARTS COULD FALL OFF AND GET DAMAGED DURING THIS OPERATION. FOLLOW THE PROCEDURE BELOW TO SEPERATE THE LAYERS.

Note : You can see below the turntable as it will appear in the packaging, very well protected by a plastic bag. This protection is necessary to prevent any damage to the paint finish of your Paris turntable. If you have to repack your turntable make sure you use the protective bags.



List of contents

TOP section of the foam packaging:

- Dust cover (optional item, can be ordered separately)

Note : The dust cover will also be in a protective plastic bag. It is extremely important to always place the dust cover in its protective bag when repacking to prevent any surface damage due to the rubbing against the foam packaging.

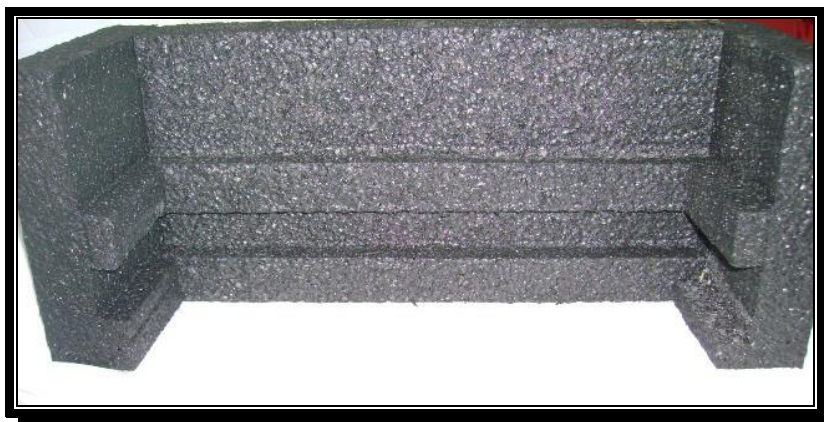


MIDDLE section:

- Main turntable plinth



IMPORTANT NOTE : The pictures on the right below show that there is a section that has but cut in the bottoms section of the foam piece to make room for the motor circuit and the tone arm RCA box. When repacking your Paris turntable make sure to positively identify the modified sections so they can be located towards the rear of the turntable. On the picture where you see the full foam end piece, the lower right section has been modified to remove some of the material. This end must be located at the rear of the turntable when repacking.



LOWER section

- Anti-skate weight (when purchased with the Paris tonearm option)
- Brilliance cleaner
- Calibrator disc
- Drive belt
- Hinges (when ordered with the optional dust cover)
- Inner hub
- Power adaptor
- Oil syringe, 4cc for turntable spindle
- Record clamp
- Silicone syringe, for tonearm micro vibration damper
- Tonearm tracking force counterweight (when purchased with the Paris tonearm option)
- The tool bag (Allen keys and suspension gauge and flat blade screw driver)





Assembling procedure

Note : If your Paris was ordered with the dust cover lift the dust cover out and set it aside on your work table.

In order to protect the platter spindle and inner hub which is located in the tonearm corner, below the plinth, carefully lift turntable. Lift straight up to clear the sub platter spindle. Set the Paris turntable on your work table then remove the two foam pieces and set them aside.



Caution: The inner platter is the first item you should remove to set on your work table. If you have to repack your Paris record player remember that the inner hub is located in the rear right corner (when facing your Paris turntable) below the tonearm.

HANDLE THE INNER PLATTER VERY CAREFULLY! IT IS A PRECISION PIECE!

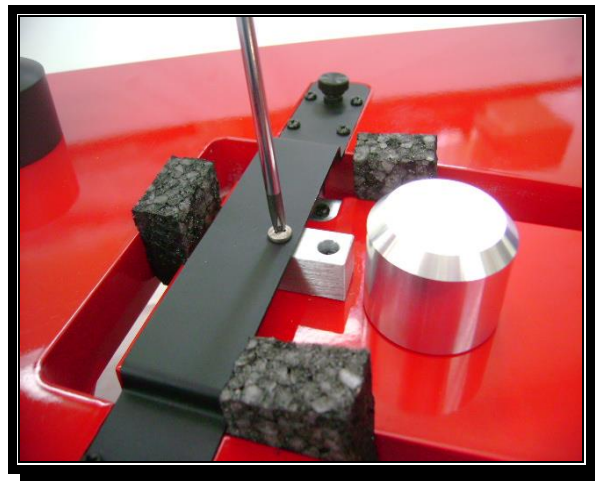
Remove to other accessories from the foam packaging and set them on your work table

After all the parts and accessories are out of the packaging take the time to put all the protective bags and foam pieces inside the inner box and place the inner box inside the outer box and store it in a dry area.

Preparing the plinth:

In addition to the tools supplied you will need the following items:

- Philips head screw driver (not supplied).
- Needle nose pliers (not supplied).
- Spirit level (not supplied).

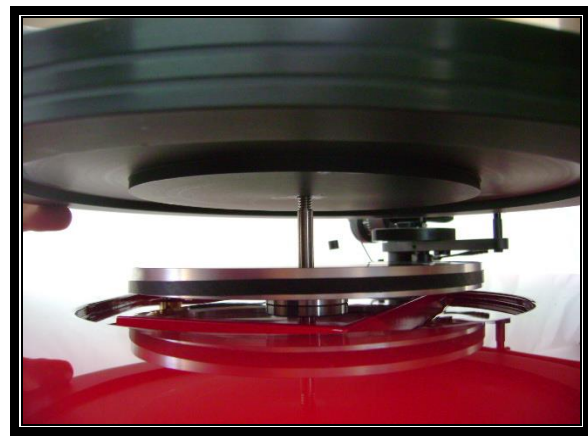
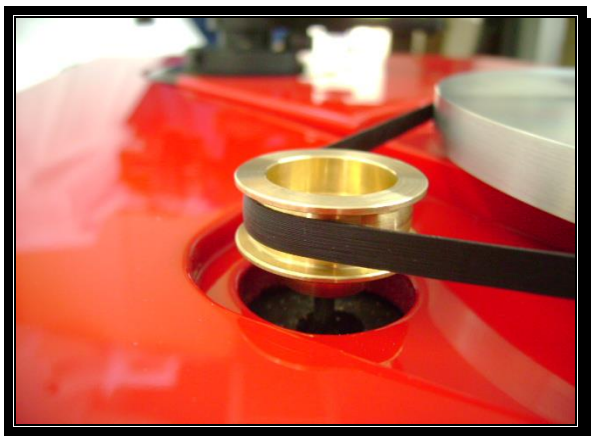
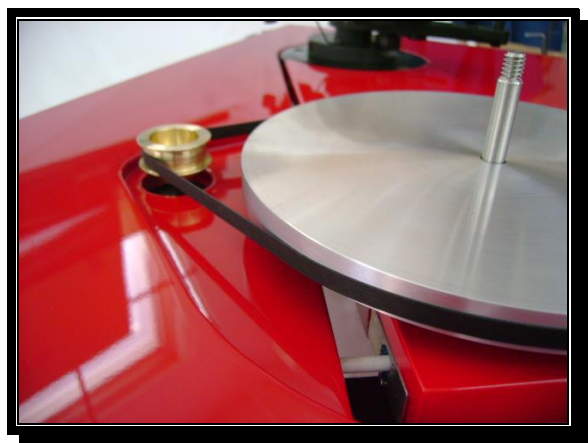


Note: The suspension is blocked with foam pieces and two aluminum blocks jamming the floating chassis against the main plinth. The small foam pieces are designed to keep the inner chassis from moving sideways. It is important to use them if you have to transport or ship your Paris turntable.

Remove the two locking blocks by unscrewing the two Allan screws and the two Philips head screws. Remove the protective foam pieces. This will free up the semi-floating inner chassis.

Installing the platter:

- Pour the full content of the 4c.c. oil syringe in the spindle holder.
- Install the inner platter.
- Install the drive belt around the motor pulley and the inner hub. Rotate the inner hub to allow the drive belt to center itself.
- Very carefully and gently install the acrylic platter by sliding it over the spindle.



Note 1: Make sure the top face of the inner platter and the mating surface of the acrylic platter are perfectly clean and free from any particles

Note 2: It is ok to move the turntable with the platter installed from your set up area to the playing area. ***It is however absolutely not recommended to leave the acrylic platter and the sub platter installed for shipping or carrying the unit in a car. This is also true for the tonearm tracking force counterweight.***

Tonearm and Phono cartridge installation procedure

Note: If your Paris has been purchased without a tonearm it is supplied with a blank mounting board. It is possible to order precut tone arm boards from Oracle Audio to accomodate the tonearm of your choice.

- Installing the tonearm : use the tonearm manufacturer's instructions to precisely mount the tonearm to your Paris turntable.
- Installing the phono cartridge : Carefully mount your phono cartridge to the tonearm headshell using the appropriate mounting hardware. Make sure you keep the stylus guard in place during the whole process until you are ready for the final calibration step.
- Secure the cartridge lightly to the headshell so it can be moved for the precision calibration
- Using a pair of needle nose pliers install the phono cartridge leads.
 1. RED is the positive right channel
 2. GREEN is the negative right channel
 3. WHITE is the positive left channel
 4. BLUE is the negative left channel
- Install the tonearm tracking force counterweight and set the tonearm in a floating position. If you have a Paris tonearm it is supplied with 3 different tracking force weight. Choose the one that will allow you to be able to adjust the tracking force to the manufacturer's specifications and at the same time will be as close as possible from the tonearm pivot point. Do not install the Anti-Skating weight at this time.
- Remove the stylus guard and adjust the static balance so the tonearm floats parallel to the surface of the platter.
- With the Paris tonearm you can use the dialed ring on the counter weight as a valid reference to set the tracking force. Using a precision stylus pressure gauge will be more accurate to set the tracking force to @ 1,5 grams. This will only be a pre calibration so you can proceed to the final calibration step.
- Use the Calibrator disc provided with your Paris to proceed to the precision calibration of the overhang.
- Adjust the line so it is pointing to the pivot center of the tonearm.
- Bring the tonearm over the grid on the Calibrator disc and lower so the stylus tip is sitting in the center of the grid. If it is not centered move the phono cartridge forward or backwards in the headshell until it does, always making sure that the Calibrator line is pointing to the tonearm pivot center.
- Adjust the phono cartridge so the sides are parallel to the grid.
- Secure the cartridge screw enough to prevent the cartridge body to move from it's setting position.
- Adjust the tonearm static balance once again and set the right on the counterweight to the ZERO position pointin at 12h00 then adjust the tracking force to the cartridge manufacturer's specifications.
- Install and adjust the Anti-Skating force.
- On the Paris tonearm there are 3 notches, the one closest to the bearing pivot has a range of 1 to 1,4 grams, the middle one has a range of 1,5 to 1,9 grams and the outermost notch will be 2 grams and more.

Adjusting the VTA (see image on next page for reference)

- Install a record on the platter and the record clamp.
- Lower the stylus on the record surface and chack if the tonearm tube is parallel to the record surface.
- Cue up the tonearm and set the arm in the arm rest.
- Adjust the height of the rear of the tonearm until the tonearm tube is parallel to the record surface.
- For the Paris tonearm, there are two set screws in the mounting base that will allow you to change the tonearm height.
- Once you are satisfied with the VTA calibration secure the screws in the mounting base of the tonearm.

Note: This procedure has to be done very carefully to prevent from damaging the stylus.

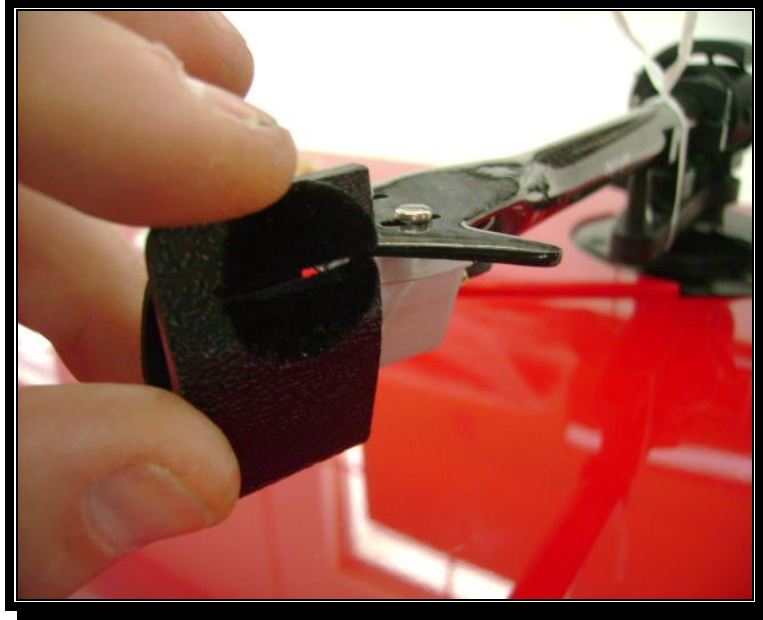


Calibrating the Paris tonearm

Note: When factory calibrated, the Paris tonearm has been installed at the factory at the right distance from the platter spindle.



Adjusting the tracking force



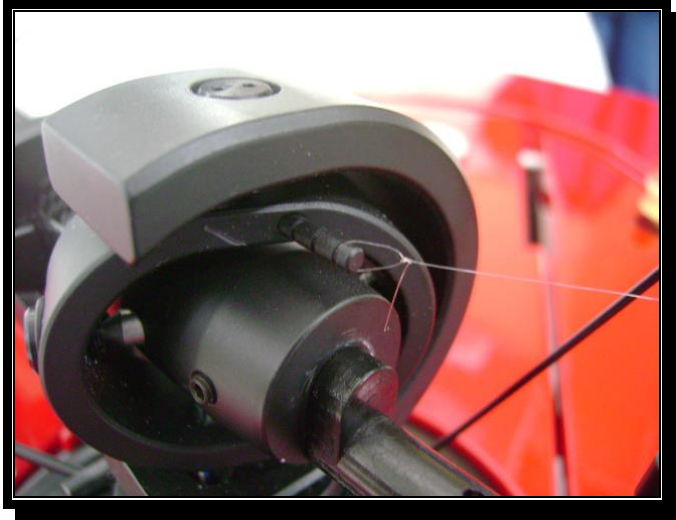
- Mount the tracking force counterweight on the stem at the rear of the tonearm with the graduated ring pointing towards the front of the turntable.
- Remove the cartridge protective guard and the tie wrap holding the arm in the arm rest.
- Adjust the weight to bring the tonearm to a floating position.
- Install the stylus guard for the following step.
- With one hand hold the tracking force weight and with the other hand rotate the calibrated ring to bring the "0" at top position.
- Rotate the tracking force weight clockwise to the 1,5 to 1,7 grams position.

If you have access to a precision tracking force gauge, set the tracking force to 1,5 to 1,7 grams.



Adjusting the anti-skating:

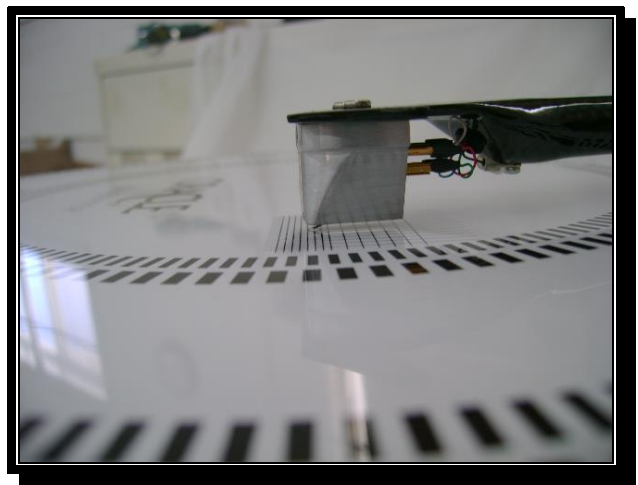
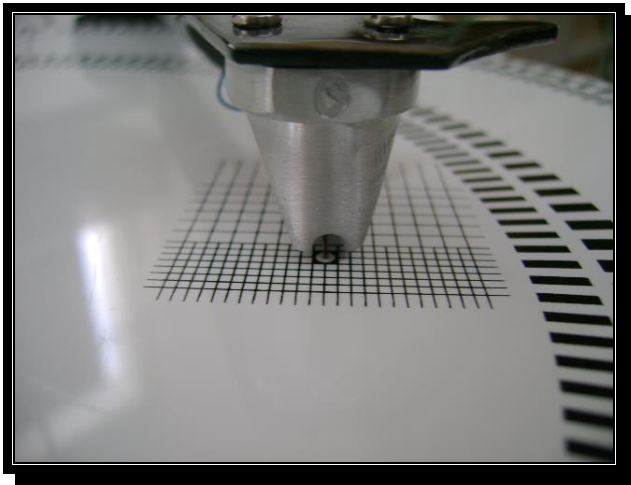
The anti-skate weight will attach near the gimbal bearings on the stem above the tracking force counter weight at the rear of the tonearm. Guide the nylon string in the eyelet of the metal wire support at the rear left side of the tonearm.



Adjusting the phono cartridge Azimuth:

The Azimuth is done by viewing the phono cartridge from the front of the turntable. It is done by making sure the stylus tip is sitting perfectly vertically in the record groove. For the Paris tonearm, the whole arm tube can be rotated by loosening the socket head set screw at the rear of the tonearm.

Note : It is important to adjust the azimuth of you phono cartridge prior to final levelling and adjusting the silicone tube clamp.



Adjusting the tonearm MVSDD tube clamp:

It is extremely important not to over tight the arm tube clamp! The screws must be tightened very gently just enough to prevent the clamp from moving or pivoting. In the event that you installed your own phono cartridge and that you had to rotate the arm tube for adjusting the azimuth of your phono cartridge the Micro Vibration Silicone Damping Device (MVSDD) tube clamp might need to be repositioned so the bottom edge of the clamp is parallel to the silicone bath. To do so simply loosen very slightly the two holding screws just enough so that the clamp can be pivoted on the arm tube.



Filling the MVSDD Silicone bath:

- Fill the silicone trough to about 1/16" of the edge.
- Place a record on the platter and set the stylus on the record.
- Using the Allan wrench provided adjust the stainless steel set screw until it just touches the surface of the silicone in the bath.



Important note: Do not make this adjustment with the stylus resting on the record! Place the tonearm in the arm rest and hold it while doing this adjustment to prevent damaging the stylus of your phono cartridge.

Calibrating the Paris tonearm MVSDD:

The initial damping calibration is done by turning the set screw one full turn down after the calibration at the previous step. Experiment with the depth of penetration of the set screw in the silicone bath until you get the best overall sound performance. To really appreciate the performance of the Micro Vibration Silicone Damping Device turn it counter clockwise two full turns this way it will be completely out of the silicone bath. Then set it back to its normal position two full turns downs. In many applications while testing and experimenting with the

tonearm MVSDS we found the best performance with the tip of the set screw barely touching the silicone surface about one quarter of a turn down in the silicone fluid.

In short, no damper means the sound is not good but you have a lot of treble, Adding damping you get proper highs and a more linear frequency distribution when the calibration is right. Too much action of the damping device AND you get a dull sound.

Note : It is important to check the proper alignment of the bath holding the Silicone fluid. To do so, hold the finger lift and make the tonearm pivot all the way towards the center of the turntable. When properly installed and aligned the stainless set screw should follow an arc following the center of the Silicone bath very accurately. If you need to correct the alignment you can do so by making it pivot in the right direction without loosening the mounting screw. The center of the clamp mounted on the tonearm tube is at exactly 194,88mm (7,675") from the front edge of the tonearm tube. When properly aligned the end of the Silicone bath will be parallel with the arm rest support.

Connecting the AC adaptor :

Your Paris turntable is sold with the regular power adaptor.

Note: If you are looking to improve your Paris turntable's performance in time, the Turbo Power Supply MkII is an optional device that can be retrofitted as a plug and play upgrade and it will affect your Paris Mk V's performance in a stunning way!



On / Off - 33 / 45 speed selection:

The rotational speed selection is done by pressing the 33rpm or the 45rpm button in the upper right corner of your Paris turntable. Pressing the same button will make the turntable stop.

Record clamp:

The record clamp is a two piece clamping device made of Delrin for optimal performance. This design will prevent damaging the record label when clamping the record. At the same time the Delrin is a very efficient barrier that will keep unwanted vibrational energy away from the record surface. Thus this energy will not be transmitted to the stylus reading the record groove. The impact of the Paris record clamp is very audible.

- Place a record on the platter and secure the record clamp just enough so the record surface will be in full contact with the acrylic platter.

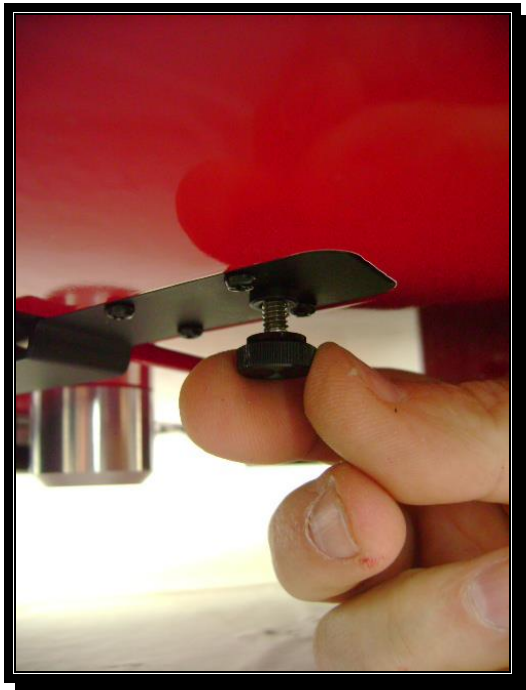
Calibrating the 33 / 45 rotational speed:

The speed calibration potentiometers are located on the rear of the turntable below the plinth. The speed can be adjusted using the Calibrator disc provided. Always adjust the 33rpm speed first then the 45rpm speed. Although both speeds have been factory calibrated it is a good practice to check it again before you use your new Paris. While standing at the rear of the unit, rotating the potentiometer to the right (clockwise) will increase the rotational speed.



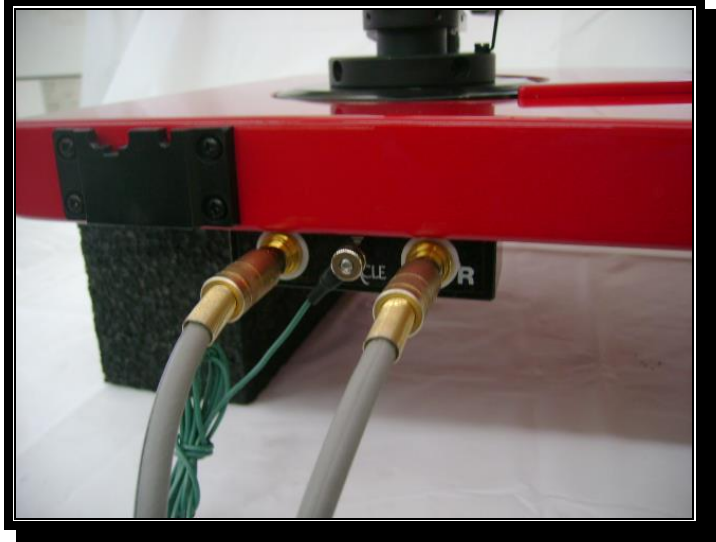
Leveling the platter:

There are 4 thumb screws under the plinth to adjust the level of the platter with the plinth. We designed and provided a platter levelling gauge for this purpose which is cut at an angle. Slide the gauge between the platter and the plinth and adjust the proper height by turning the thumb screws below the plinth. Position the gauge approximately above each of the thumb screws then adjust the height as needed. The height should be between 10mm and 12mm (0,375" and 0,500"). If you choose 10mm (0,375") it has to be exactly the same at the 4 calibration points.



Levelling the plinth:

Once you have your Paris Mk V in its final playing location it is time to proceed the levelling of the plinth. The three Delrin support feet are threaded so you can level the plinth, to do so you will need to use a spirit level.



Installing the phono cable (Not supplied by Oracle)

Note : Your Paris Mk V was not supplied with the RCA cable going from the turntable to your phono stage amplifier. It is important to use the best possible quality of interconnect cable to obtain the best possible signal transfer from your Paris turntable / tone arm / cartridge combination.

- Plug your RCA to RCA interconnect cable at the rear of your Paris (if you ordered your Paris with the Paris tonearm) then plug the other to your phono stage amplifier.
- Connect the ground lead from the rear of the turntable to the ground lug on your phono amplifier.

Maintenance

- The blue cloth supplied with your Paris Mk V can be used to clean the paint surface and the acrylic platter. Do not use this cloth to pick up oil spills, keep it for the delicate work.
- Unless contaminated, there will be no need to replace the oil inside the spindle holder. It is important however that a certain quantity of oil can be lost every time the platter hub is removed from the spindle holder.
- The drive belt should be replaced every 5 years for optimal performance.

Specifications

- **Power requirements :** 100 / 120 / 230 volts 50 / 60 Hz
- **Dimensions :** 475mm x 363 mm x 150 mm
(19 x 14.5 x 5 inches ... 6,5 inches high with dust cover)
- **Turntable weight :** 7 Kg (15 pounds)
- **Regular power supply :** 24 to 28 VDC / 500ma (standard configuration)
- **Turbo power supply (optional):** 24 to 28 VDC / 500ma
(210 x 184 x 70 mm (8,25 x 7,25 x 2,75 inches)

***We are confident your new Oracle Audio product will provide you
with many years of total satisfaction.***

***You are now ready for the real and only purpose of all this...
to sit down, relax and enjoy the Fine Art of Playing Music***

From all of us at Oracle Audio Technologies Inc, Thank you !

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**Please fill the section below and mail it back to the above mailing address
to register your new Oracle Audio product.
You can also scan this whole page and send it by e-mail to info@oracle-audio.com**

WARRANTY REGISTRATION CARD

Your new Oracle Paris MK V carries a non-transferable, **3 year parts and labor limited warranty** against manufacturing defects. Oracle Audio Technologies will repair the defective item within this warranty period. The original bill of sale from an authorized dealer or distributor is required for any warranty repair.

Oracle Paris Mk V serial Number: _____

Power Supply Serial Number: _____

Dealer Name: _____

Dealer Address: _____

Dealer Phone: _____

Your Name: _____

Your Address: _____

Phone : _____ e-mail address : _____

Purchase Date: _____