

BASIS

BASIS AUDIO, INC.

2500 *SIGNATURE SERIES* TURNTABLE

USER'S GUIDE

INTRODUCTION

Thank you for purchasing the BASIS AUDIO 2500 Signature Series turntable. We are confident that you will come to view your decision to use a BASIS turntable as one of the most musically rewarding equipment choices in your audio experience.

The incredible precision of the BASIS bearing and platter system will allow you to feel the emotion of the music's natural flow. The unequaled effectiveness of the BASIS fluid-damped suspension will open up your system's soundstage, letting you hear low-level details such as echoes deep in the sound field more clearly than you have experienced before. Each instrument's natural timbre will be portrayed with uncanny realism, and the entire presentation will be without the exaggeration and artificial air that the resonances of lesser designs create. Our goal at BASIS is that this effortlessness and realism allow you to relax and appreciate the music more than you ever have before.

To realize the potential of your new turntable, and to prevent any damage which would delay your enjoyment, please carefully read these instructions before attempting to assemble your 2500.

Note: A 2200 Setup DVD is also provided to show you a very similar setup process for the turntable. A link to the video can be found at <https://www.basisaudio.com/2200>

If you have purchased the Calibrator Base for the 2500, set up the Calibrator first, following the instructions packed with it.

UNPACKING AND SETTING UP YOUR 2500 TURNTABLE

NOTE: You will find some white cotton gloves packed with your turntable. You may wish to use the gloves while you are handling the acrylic pieces of the turntable to prevent fingerprinting and scratching of your finely finished Basis turntable.

You will also find a bubble level, which will help you when you are leveling the turntable.

If you have not purchased the Basis Reflex Record Clamp with your turntable, you should consider this purchase to optimize your vinyl playback system. The matched bearing/platter interface on the 2500 aligns the platter and bearing for repeatable accuracy. **Using the Basis clamp** will add substantial pressure to this critical interface, **resulting in the highest performance** from this standpoint as well as from the standpoint of better record/platter coupling. During the quality control stage of matching platters and bearings at Basis all measurements are taken when using the Basis clamp, which substantially increases the accuracy of the rotating platter.

1. Locate the box labeled “2500 Bearing Assembly”.
2. Unpack the bearing.
3. In the accessories box, locate the four 10-32 X 1/2” long bearing screws and the 5/32” hex wrench that fits these screws.
4. Unpack the subchassis. CAUTION: take care not to cut into the subchassis when opening the package. If you use a knife to cut the tape, cut just deep enough to cut the tape.
5. Fit the bearing into the top of the subchassis. Note that the rotating part of the top of the bearing has a notch that allows you to access each bearing screw location as you rotate the top of the bearing. Rotate the bearing so that the mounting holes in the bearing line up with the holes in the subchassis. Align the notch to one of the screw locations. Install the screw and turn the screw with the wrench until it is just barely snug. Repeat this with the other 3 screws. **CAUTION: DO NOT TOUCH THE SCREWS ON THE TOP OF THE ROTATING BEARING. TO DO SO WILL RUIN THE BEARING ALIGNMENT AND IS NOT COVERED BY WARRANTY.**
6. After the 4 screws are installed and lightly tightened go back and tighten each screw snugly using only the short side of the wrench for leverage. **THESE SCREWS DO NOT NEED TO BE SEVERELY TIGHTENED. EXCESS FORCE COULD STRIP THE THREADS IN THE SUBCHASSIS.**
7. Locate the “Resonance Annihilator” support pod boxes. Open the 2 boxes and unwrap the 4 pods. Note that each pod is calibrated and marked for a specific corner of the turntable: LR for left rear, RR for right rear, LF for left front, and RF for right front.

- Using the 3/32" hex key that is packed in the accessories box unscrew all of the screws in the top of the pods. **WHILE UNSCREWING THE SCREWS KEEP STEADY PRESSURE ON THE TOP OF THE POD WITH THE OTHER HAND SO THAT THE POD WILL NOT TRY TO OPEN UNTIL YOU HAVE REMOVED BOTH OF THE SCREWS.**

AFTER REMOVING THE SCREWS, THE PODS MUST BE KEPT UPRIGHT OR SILICONE DAMPING FLUID WILL SPILL OUT.

- After removing the screws the tops of the pods will pop up. Pack the shipping screws and nylon washers in a zip-lock bag and save them. You will need these screws in the future for packing and shipping the turntable.

NOTE: At this point you may wish to obtain some paper towels to neaten the appearance of the pods. Note that when the shipping screws are removed and the pods are extended you can see into the pods from the side. Some silicone fluid may have been deposited on the top edge of the pod (the surface containing the threaded holes), as well as on the underside of the pod cover and on the O-ring area of the pod cover. If you wipe these surfaces no additional fluid will be deposited on them as long as the pods are in the open position. For cleaning silicone fluid a commercial cleaner called "Simple Green", available at hardware stores and building supply stores, works well.

- Keeping the pods upright screw all 4 pods into the subchassis. **DO NOT TIGHTEN THE PODS** but rather screw them into the subchassis until the bottom of the pod cap below the black O-ring is approximately even with the bottom of the subchassis. This is not a critical alignment, but just a starting point for further adjustments.
- Open the platter box. **CAUTION:** take care not to cut into the platter when opening the package. If you use a knife to cut the tape, cut just deep enough to cut the tape.
- Note that the bottom of the platter has an arrow. Note that the bearing has a notch in the rotating part that allowed you to insert the bearing mount screws. When placing the platter on the bearing align the arrow and notch. This orientation results in the most accurate rotating assembly, with the lowest possible wow and flutter. **CAUTION: WHEN PLACING THE PLATTER ON THE BEARING, IT MUST BE SLOWLY LOWERED. ANY SHOCK OR IMPACT CAN RUIN THE BEARING.**
- Open the motor box. Carefully lift the motor out, taking care not to allow any side force to act on the pulley. **ANY SIDE FORCE OR SHOCK ON THE PULLEY CAN RUIN THE MOTOR BEARINGS.**
- After you have placed the turntable in its final location place the motor to the rear of the subchassis, centered left-to-right **on the centerline of the platter**. Space the motor away from the subchassis by the approximate width of the belt (about 3/16").
- Locate the belt. Loop the belt around the lower, smaller diameter surface of the pulley and the platter. Guiding the belt at the pulley with one hand to be sure that it

does not jump off the pulley, slowly rotate the platter with your other hand to cause the belt to find its natural position on the platter.

16. Mount the tonearm following the tonearm manufacturer's instructions. If your subchassis is cut for the SuperArm or Vector tonearm with the tall damping cup, the mounting hole has a set-screw from the rear face of the subchassis, which locks the tonearm at the desired VTA.
17. Level the turntable by turning one or more of the adjuster knobs at the corners in the appropriate direction to raise or lower the corner in question. When turning the knob to adjust level first lift the subchassis in that corner so that the pod is lifted off of the turntable stand. Then turn the knob. This will allow the entire pod to turn while you are turning the knob.
18. Adjust the feet on the motor so that the belt rides 1/8" or more above the bottom of the platter when the belt is on the lower pulley surface (this surface is the 33 RPM portion of the pulley.) This will prevent the belt from jumping off the platter if the turntable is bounced while the platter is rotating. You may find that the pods must be screwed further into the subchassis than the original position to achieve the proper belt location on the platter.

Enclosed with your turntable are 12 rubber rings to place over the threads of any motor feet you have partially unscrewed in your adjustments. You may stack as many rings as necessary on the threads of the motor feet. Then you may lightly tighten the feet, slightly compressing the rubber rings, so that the threads are under tension, thus eliminating any free play or "wobble" between the feet and motor.

19. To operate the 2500 at 45 RPM it is necessary to move the belt to the upper portion of the pulley. This does not apply if you have purchased the Synchro-Wave Power Supply.
20. Connect the bearing ground wire to the ground on your phono stage, preamplifier or to a true ground. This wire drains static electricity from the platter/bearing assembly and is not critical sonically except for performing this task.

QUESTIONS AND ANSWERS CONCERNING THE 2500 SIGNATURE SERIES TURNTABLE

Question:

“What are the sonic affects of raising or lowering the subchassis by turning all 4 pods a certain number of turns?”

Answer:

There are none. This merely adjusts the height of the subchassis, which does not affect the sound.

Question:

“There is a slight oily residue on the top lip of the spring cup part of the pod where the threaded holes are. What should I do?”

Answer:

Merely wipe this residue off with a cloth or paper towel. This residue represents damping fluid wicked to this surface during shipping and setup and represents an insignificant amount of material, which will not affect the operation of the turntable.

Question:

“What type of turntable stand should I use?”

Answer:

We have not yet found a stand that makes a significant sonic difference. We suggest using a stand that represents to you the best compromise regarding fit of the turntable, aesthetics, and cost.

Question:

“Must I disassemble my 2500 to move it?”

Answer:

You should always remove the platter and tonearm when moving the turntable to prevent damage to the bearing and cartridge. You do not need to remove the suspension, but remember that the suspension fluid will spill if the turntable is tipped more than approximately 10 degrees.

BASIS AUDIO, INC. LIMITED TEN (10) YEAR WARRANTY

BASIS AUDIO, INC. warrants this product to be free from defects in workmanship and materials for a period of 10 years from date of purchase.

Purchaser must submit to **BASIS** within 30 days of purchase the completed, signed, and dated warranty registration form and a copy of the bill of sale for this warranty to become valid. Failure to provide the warranty registration form to **BASIS** within the thirty day period shall render this limited warranty void and inapplicable. This information is for warranty purposes only, and will only be seen by Basis Audio. We never sell, trade or share customer information.

This warranty is subject to the following conditions: This warranty applies only to the original purchaser/owner. Warranty is void and not applicable if this product is or has been operated or handled in any way not consistent with the guidelines set forth in the owner's manual.

Warranty is void and inapplicable if product has been abused/damaged as a result of negligence, or damaged in shipping/handling.

Warranty is void and inapplicable if this product has been modified, repaired or tampered with by anyone other than **BASIS** or an authorized service representative.

Should this product fail to meet the above warranty purchaser assumes obligations to re-package and return the unit to the dealer, **BASIS AUDIO, INC.**, or a designated service representative at his/her own expense.

Where the above conditions have been complied with, **BASIS AUDIO, INC.** shall without charges for parts and/or labor repair the defect and return the unit to purchaser **FREIGHT COLLECT.**

Implied warranties related to the above are limited to the duration of this warranty.

Warranty is not extended to cover ANY incidental or consequential costs or damages to the purchaser.

Certain states do not allow limitations on how long an implied warranty lasts, or exclusion or limitation of incidental or consequential damages, so the aforementioned limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.