



**BASIS AUDIO, INC.**

**WORK OF ART TURNTABLE**

**USER'S GUIDE**

## INTRODUCTION

Thank you for purchasing the **BASIS AUDIO WORK OF ART TURNTABLE**. This is the highest performance record player ever built. Additionally, the fit, finish, and design are recognized as one of the finest examples of audio engineering art to have ever been offered to the consumer. We are confident that you will come to view your decision to invest in a **Work of Art** turntable as one of the most musically rewarding equipment choices in your audio experience, as well as one of the finest precision machines of any type that you will ever own.

To realize the potential of your **Work of Art** and to prevent any damage which would delay your enjoyment please carefully read these instructions before attempting to assemble your turntable. **The Work of Art** is very heavy, complex, and has many very precisely machined and perfectly finished parts. It is therefore very easy to damage if the instructions are not carefully followed.

## UNCRATING YOUR WORK OF ART STAND

At some point in this process you will require at least 4 people to handle the **Work of Art** Stand.

3 pairs of white cotton gloves are packed in the accessories carton. To prevent fingerprinting the perfectly polished acrylic surfaces you are advised to have all helpers who are handling the stand wearing gloves.

- 1) Locate the **WOA Stand Crate**.
- 2) Obtain an electric drill (or electric screwdriver) fitted with the proper Phillips blade to fit the screws used on the crate.
- 3) Remove all screws in the top cover, followed by all screws in the side panels.
- 4) Remove the protective foam and plastic sheet wrapping of the Stand.
- 5) Inspect all acrylic panels for shipping damage. The **WOA** is packed and protected in a superior manner with no cost or effort spared. **Any damage is the responsibility of the shipping company and will not be repaired under warranty**. Contact the shipping company immediately and file a claim if you discover any damage at this point.
- 6) Locate the smaller, top plywood base plate on which the **WOA** Stand legs rest. Remove all screws from this plate. When all screws have been removed you should be able to tilt the stand when carefully applying lifting force under any corner of the top plate. It should be able to tilt in any direction. If it will not tilt you must find and remove the remaining screws holding the base plate to the pallet. **CAUTION:** When lifting or tilting the Stand apply upward pressure **ONLY ON THE UNDERSIDE OF**

**THE TOP PLATE AND ONLY IN THE 4 CORNERS near the legs**, where the top plate overhangs the legs. Otherwise the blue sub-plate may be damaged.

- 7) **You should use at least 3 people for the following operation**, at least 2 people to lift and tilt the stand and one person to prevent any sliding of the foam protection on the table and to watch for any possible damage happening to any part of the Stand.
- 8) You must obtain a very low table or a flat surface which is well cushioned. You may use the protective foam from the packing as the cushion for the top of the table. For the table you may use the plywood top of the crate placed on blocks of wood or other material to elevate it approximately 1 foot (1/3 meter) off the floor. On top of the cushions spread the protective thin white foam which was used to protect the Stand during shipment or other soft material which will not scratch acrylic.
- 9) Place the table immediately behind the Stand and carefully and slowly tilt the **WOA** Stand back on the table. Remove the 4 large bolts from the bottom side of the plywood plate using one of the following: a large adjustable wrench; a 3/4-inch or 19mm socket; a 3/4 inch or 19mm wrench. Remove the plate from the bottom of the stand.
- 10) In the **Accessories Carton** find the 4 Stand Feet and screw them into the bottom of the legs.
- 11) Stand the **WOA** Stand up on the floor, taking care not to damage the precision machined and finished feet and to watch for any sliding of the foam on the table, as the Stand is being tilted up, which could damage the acrylic of the Stand.
- 12) Note that the Stand Feet can be turned to adjust the stand to make the top plate level.

## **UNCRATING/ASSEMBLING YOUR WORK OF ART TURNTABLE**

At some point in this process you will require at least 4 people to handle the **Work of Art** Turntable.

3 pairs of white cotton gloves are packed in the **Accessories Carton**. To prevent fingerprinting the perfectly polished acrylic surfaces you are advised to have all helpers who are handling the turntable wear gloves.

**CAUTION: DURING THE FOLLOWING PROCESS AND FOR THE LIFE OF THE WOA TURNTABLE, IT MUST NEVER BE TILTED TO A GREATER ANGLE THAN 5 DEGREES.**

- 1) Locate the **WOA Turntable Crate**.
- 2) Obtain an electric drill (or electric screwdriver) fitted with the proper Phillips blade to fit the screws used on the crate.

- 3) Remove all screws in the top cover, followed by all screws in the side panels.
- 4) **NOTE:** There are many screws in the **WOA** packing. It is not necessary to remove all screws. Read the instructions carefully and **only remove the indicated screws.**
- 5) You must have a workbench or table near the **WOA**, which is capable of supporting 250 pounds (114 kg). Have 4 men lift the **WOA**, one in each corner of the plywood base directly beneath the **WOA**. Note that this plywood base is not screwed to the pallet top, but is resting on foam cushions which are loosely placed to the pallet top. Lift the **WOA** with its plywood base and rest it on the workbench.
- 6) Note the plywood plate on the top of the **WOA**. You will be cutting the straps that hold this plate down.
- 7) Note the metal “L” brackets that push against the 4 sides of the **WOA** subchassis. Remove the screws that hold these brackets to the plywood plate the **WOA** is sitting on. Do not remove the screws holding the plywood plates and pads that are pushing inward on the **WOA** subchassis. Pull the bracket/pad assemblies away from the turntable.
- 8) You must carefully slide and rotate the **WOA** and plywood base such that one side of the plywood base is hanging over the edge of the workbench so that the 2 large bolt heads are visible from underneath the turntable partially off the work bench as needed to access the bottom. Remove these 2 bolts using a  $\frac{3}{4}$  inch socket or wrench.
- 9) Position the assembly on the workbench such that the other 2 large bolts are visible and remove them. **CAUTION: AT THIS POINT THE WOA TURNTABLE WILL BE ABLE TO SLIDE ON THE PLYWOOD BASE.**
- 10) Remove the wrapping from the **WOA** turntable.
- 11) Using 4 people lifting the metal arms in each corner of the **WOA** lift it off the plywood base. Place the **WOA** on a clean, non-abrasive workbench.
- 12) In the **Accessories Carton** find the 4 **WOA** Feet and screw them into the bottom of the turntable in each corner. You will need to have 2 helpers lift the corner of the **WOA** just enough to allow the foot to fit under. This degree of tilt of the **WOA** is acceptable for a short period of time. The correct aesthetic alignment of the foot is achieved when the clearance between the bottom of the suspension support arm and the top of the foot is approximately  $\frac{3}{16}$  inch (4.5mm). Achieve a gap approximate to this distance and then turn each foot so that it aligns with the suspension support arm above it.
- 13) Have 4 people lift the **WOA** Turntable and place it on the **WOA** Stand or a suitable turntable stand. Note that the 4 rectangular feet of the **WOA** turntable fit in the center of the aluminum receptacles of the **WOA** stand.

- 14) In the **Accessories Box** within the **Accessories Carton** find the bag with the 4 silver colored suspension retaining discs and 8 screws. Also find the Phillips screwdriver.
- 15) Note that each round corner-head of the **WOA** has a large hole in the top. Looking into that hole you will note the top of the suspension cartridge below the corner-head. A threaded rod protrudes from the top of the suspension cartridge. Note that just below the threaded rod there are 2 small threaded holes in the top surface of the suspension cartridge. The suspension retaining discs will be held to the top of the suspension cartridges with screws which will thread into these holes. Follow the subsequent steps to install the retaining discs.
- 16) Note that at a certain point on the outside diameter of the suspension cartridge top you will find a .125 inch diameter (3.175mm) pin pointing radially outward. When the suspension cartridge is lifted into place into the head the pin must fit into the mating slot in the hole in the corner-head. Rotate the suspension cartridge by holding the large tube just above the clear subchassis and turning it. **DO NOT TURN THE SUSPENSION CARTRIDGE BY ROTATING THE VERY TOP PART, THE SPRING WILL BE DAMAGED. You must turn the suspension cartridge by turning the lower part of its body.**
- 17) Using 3 people lift the subchassis and suspension cartridge (if you lift only subchassis the suspension cartridge can drop out of position) until the suspension cartridge top moves into position within the corner-head, with the above-mentioned pin sliding up into the slot. Have a 4<sup>th</sup> person place a disc, with the side on which the holes are beveled facing upward, over the threaded rod and onto the suspension cartridge top.

Rotate the disc until the holes in the disc align with the holes in the suspension cartridge top. Screw in the 2 screws. You may now lower the subchassis.

- 18) Repeat step 18 for the next 3 corners.
- 19) In the **Accessories Carton** find the box with the 4 Adjuster Knobs and Tool.
- 20) Place one adjuster knob into one corner, with the threaded hole facing down. Locate the black adjuster knob tool. Place the tool into the knob such that the 2 pins protruding from the face of the tool engage the 2 holes in the top of the adjuster knob. It will be necessary to raise the suspension cartridge slightly so that the threads in the cartridge engage the threads in the hole in the bottom of the knob. Using 2 people to lift one corner of the subchassis and suspension cartridge, have the 3<sup>d</sup> person turn the knob clockwise with the black tool. Turn the knob 2 turns after the threads engage.

**NEVER FORCE THIS KNOB: IF IT DOES NOT TURN FREELY IT IS EITHER NOT ENGAGED PROPERLY OR TURNED TO THE END OF THE ENGAGEMENT. ANY DAMAGE CAUSED BY TURNING WILL NOT BE COVERED BY WARRANTY.**

- 21) Repeat step 21 for the other corners. Then you may remove the protective black rubber pieces from under the suspension cartridges.
- 22) Before placing the platter on the bearing note that the bearing has a clear rubber seal on the spindle under which are 2 thin foam discs. Leave these in place as it is necessary for correct operation of the vacuum system. If you ever remove the platter you may find that the seal sticks to the underside of the platter. Be sure to find it and replace the foam and rubber, with the rubber on top, back onto the spindle if it does become separated from the bearing.
- 23) Locate the platter in its own carton. Note that the rear of the platter has an arrow. Note that the bearing has a notch in the lower part of the rotating flange (this notch in the flange allows access to the bearing mount screws as you rotate it). When placing the platter on the bearing align the arrow and notch. This orientation results in the most accurate rotating assembly, resulting in 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.**
- 24) The fit of the platter to the bearing is so precise on the Basis **Work of Art** that there is no clearance, yet no interference, between the two parts. Due to this perfect fit, alignment is critical and the platter may not fully seat on the bearing from its own weight. When the platter is fully seated on the bearing you will note that the 4 small vacuum holes in the spindle are visible within the small depressed area of the platter that surrounds the spindle. To fully seat the platter you may need to push the platter straight down with a steady force to achieve a complete engagement with the bearing. Perform this operation whether you feel the platter is seated or not. **CAUTION: DO NOT STRIKE OR BANG THE PLATTER, THIS COULD DAMAGE THE BEARING.**
- 25) Locate the **Motor Carton**. Remove the layers of foam packing one at a time, being careful to never apply any side force to the motor pulley. **ANY SIDE FORCE OR SHOCK ON THE PULLEY CAN RUIN THE MOTOR BEARINGS.** Carefully lift the motor out.
- 26) Place the motor on the top plate of the Stand, behind the platter. Note that there are 4 holes in the acrylic top plate which correspond to the 4 rubber feet of the motor box. Note that the 4 feet can screw in and out to allow the motor position to be precisely adjusted. Level the motor with its feet so that the front of the motor box is parallel to the rear surface of the subchassis. **CAUTION: AT NO TIME SHOULD THE MOTOR BOX BE ALLOWED TO CONTACT THE SUBCHASSIS. IT WILL SCRATCH AND DAMAGE THE SUBCHASSIS, AND THERE MUST ALWAYS BE CLEARANCE BETWEEN THE MOTOR BOX AND SUBCHASSIS OR THE SOUND WILL BE RUINED BY MOTOR VIBRATION REACHING THE SUBCHASSIS.**

When the motor is placed in its position firmly push the motor housing downward to fully seat the rubber isolators in the locating holes. The fit is precise with little

excess clearance so you may need to slightly “wiggle” the motor assembly while pushing down to fully seat the motor housing feet.

- 27) Locate the belt in the **Accessories Box** of the **Accessories Carton** and run the belt around the pulley and platter.
- 28) Locate the ground wire coming from the bottom of the bearing and running out to the rear of the turntable. Connect the bearing ground wire to the ground on your 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.
- 29) Locate the tonearm mount in its own box within the **Accessories Carton**. Fit the mount into the mating hole in the top of the **WOA** subchassis, inserting the mount until it contacts the top of the subchassis. Note that there is a lockscrew hole in the upper part of the mount: this lockscrew faces directly toward the back of the turntable when the tonearm mount is properly oriented. Install the supplied lockscrew into the back of the **WOA** subchassis and tighten lightly to retain the tonearm mount. The precision fit of the shaft into the specially shaped hole in the subchassis makes it unnecessary to heavily tighten, and excessive force could damage the threads.
- 30) The SuperArm tonearm will fit into the mount in the same manner as it fits into other Basis turntables. Refer to the SuperArm instructions for other tonearm related matters and further SuperArm setup. You will have to install the supplied lock screw into the hole in the back of the tonearm mount. The lockscrew is the same as that which is used to lock the tonearm mount into place.
- 31) Locate the Cable Isolation System in its own box within the **Accessories Carton**. It is packed with its own lockscrew. Mount the system into the mating hole in the clear top plate of the **WOA** Stand. Install the lockscrew into the threads and lightly tighten. The lockscrew is the same size as that used in step 30. The correct orientation of the Isolation System is with the cable block extending to the right side of the mount when you are facing the front of the turntable, with the lock screw in the back of the larger diameter, lower receptacle of the Cable Isolation System facing the rear of the turntable. When you mount your SuperArm tonearm to the **Work of Art** you will have to install the cables into the **WOA** cable block which you installed with the Cable Isolation System. Note that the lock screw in the larger diameter, lower receptacle part of the Cable Isolation System may be loosened to allow you to adjust the overall height of the upper rod, and therefore the cable block. The cable block lock screw may also be loosened to allow adjustment of its height on the Cable Isolation System upper rod.
- 32) Final leveling of the turntable is only done at this point, after the platter and tonearm are mounted. First, level the **WOA** Stand by placing the level on the Stand top and by turning the Stand feet. Then level the turntable subchassis by placing the level on the subchassis and turning the 4 rectangular feet at the bottom of the **WOA** turntable. Note that the feet may be turned in 180 degree (one-half turn) increments to properly line up with the **WOA** corner suspension support arms.

- 33) Locate the Synchro-Wave Power Supply carton. Remove the Power Supply. Carefully slide the Power Supply into the top shelf of the **WOA** Stand. The AC power cord for the Power Supply is included in the **Accessories Box** of the **WOA**. Connect the AC cord to the Power Supply and the mains, running the cord through the gap in between the top plate and rear panel of the Stand. Connect the special connector on the end of the motor cord to the mating connector on the rear panel of the Synchro-Wave Power Supply, running the cord through the same gap as the AC cord.
- 34) Connect the vacuum system, following the instructions found in the **Vacuum Accessories Carton**. You will be placing the Vacuum Control Box next to the Power Supply.
- 35) You are now ready to set up your cartridge in the SuperArm tonearm if you have not already done so. You will then be able to play your incomparable Basis **Work of Art** turntable. Our best wishes are extended to you for a lifetime of enjoyment and satisfaction from your **Work of Art**.



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

**BASIS AUDIO, INC.** warrants the **Work of Art** to be free of defects in workmanship and materials for a period of ten years from date of purchase.

Purchaser must submit to **BASIS** within 30 days of purchase the completed, signed, and dated warranty registration form for this warranty to become valid. Failure to provide the warranty registration form to **BASIS** within the ten day period following purchase shall render this limited warranty void and inapplicable.

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 the 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 otherwise 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 said unit and return it to the dealer, **BASIS AUDIO, INC.** or designated service representative at his/her sole 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 an 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 may vary from state to state.