



SXR AUDIO STAND

A Low Noise Floor Is Fundamental

Introduction

Thank you for purchasing the Harmonic Resolution Systems SXR Audio Stand. When used properly, it will give you many years of superior musical or video signal reproduction.

The SXR Audio Stand significantly reduces the negative impact of structure-borne noise on your audio or video component performance. Decades of engineering experience, custom material development, and listening tests are incorporated into the design of the SXR Audio Stand. This high-performance product from Harmonic Resolution Systems, Inc. will enable your audio/video source and amplification components to achieve high levels of performance.

The SXR Audio Stand, which includes the HRS Isolation Base as the primary shelf system, is a perfect match for the HRS Damping Plates, Nimbus, Vortex, and Helix products. While the SXR Audio Stand and HRS Isolation Bases work to significantly reduce structure-borne noise, the HRS Damping Plates, Nimbus, Vortex, and Helix products significantly reduce the harmful effects of airborne noise and structural resonance on your components.

Please read this manual completely prior to assembly and use of your SXR Audio Stand. It contains instructions necessary for proper assembly, use, and care of this system. Proper care of your SXR Audio Stand will ensure optimum performance and an aesthetically appealing system.

All HRS products are manufactured in the US by highly skilled craftsmen using superior techniques and proprietary materials. HRS is dedicated to producing the finest audio products in the world. To accomplish that, all products advance through a series of intense inspection and approval protocol. All items are inspected 100% to verify the assembly fits are up to our exacting standards. This rigorous protocol, combined with precision design, results in a product that is a pleasure to install, use, change, or expand at any time. From all of us here at HRS, we truly hope you enjoy our product.



**Scan here to register for HRS
5-year limited warranty**
<https://avisolation.com/company-warranty/>

Your order was built and inspected by the following HRS staff

Manufacturing: _____

Inspection: _____

Packaging: _____

Safety Instructions

IMPORTANT WARNINGS!

Do not place any tall objects on the top level of the SXR Audio Stand. A tall object is any object with a height that is greater than the depth of the SXR, or any object that has a height greater than its own width or length. Tall objects must not be placed on top of the SXR Audio Stand for any reason. The object may become unstable and tip over, causing damage to the component, adjacent objects, or injury to people.

Never lift or move the SXR Audio Stand with HRS Isolation Bases installed. You should always move the SXR Audio Stand to its final location prior to loading HRS Isolation Bases and components. Moving the SXR Audio Stand with HRS Isolation Bases installed (with or without equipment) can permanently damage the system or cause the HRS Isolation Bases to fall out of the system, resulting in potential damage or injury. Always take the time to remove all of the equipment and HRS Isolation Bases to relocate the SXR Audio Stand.

Setup Instructions

The SXR Audio Stand consists of the primary aluminum structure and the HRS Isolation Bases that support each component. Each box containing parts for the SXR Audio Stand will be marked with a model number starting with "SXR". All the wrenches required to assemble the SXR Audio Stand are included with the shipment.

HRS recommends that at least two people work together to assemble the SXR Audio Stand. Some subassemblies can weigh in excess of 30 pounds, and the completed system without HRS Isolation Bases can weigh over 100 pounds, depending on the configuration. Always make sure you have the proper number of people to move the SXR Audio Stand and its parts safely and easily.

Work Surface - Prior to unpacking any material, locate a very strong and very stable work surface (capable of supporting a 250 lb. load), or area on the floor that will give you a very soft scratch-resistant work area, at least 3'x3' in size. The more space you have, the better, as it will give you room to move around the system to complete assembly. It is important that the area be free of all dirt, screws, or small pebbles, and that it is covered with a clean, soft, protective blanket of the same size, which will prevent damage to the high-quality finish on the audio stand.

Unpacking Assembly Hardware - Remove all the contents from all the boxes marked with the SXR model number. Place all of the hardware on a table adjacent to your selected work surface, and remove all of the wrapping material. Be careful not to drop or allow the anodized aluminum parts to contact each other, as their surface finishes could be damaged. Do not stack the parts on top of each other after they are removed from the protective packaging material. To make assembly easier, group identical parts together in an organized manner. Group all the Struts by length.

The SXR Audio Stand will be assembled upside down. Depending on what system configuration you have purchased, there will be a number of SXR Horizontal Support Assemblies that have threaded Caps already attached. Do not try to remove these threaded Caps, as they are bonded in

place. These SXR Horizontal Support Assemblies with threaded Caps will be the top of the SXR Audio Stand.

Your SXR Audio Stand may arrive only partially assembled. If your SXR arrived fully assembled, skip the assembly instructions below, and refer directly to "Leveling the SXR Audio Stand" on page 9.

Step 1. The SXR Audio Stand will be assembled upside down. One SXR Horizontal Support Assembly is designated as the top level of the audio stand, and has six threaded Caps installed. Do not try to remove these threaded Caps, as they are bonded to the supports. Lay the SXR Horizontal Support Assembly on your work surface with the threads facing up, and place a polymer ring around each of the threads protruding through it (photo 1). The polymer rings should sit completely flat inside the counterbores.



Photo 1

Step 2. If your order includes Strut Spacers (photo 2) that are required at this level, install them on top of the polymer rings now (photo 3).



Photo 2



Photo 3

Steps 3-7 describe how to add a second level (and any subsequent levels) to your SXR Audio Stand. If you are constructing a 1V model SXR (i.e., a single-level stand), proceed immediately to step 8. (Note that assembly photos going forward show a three-level audio stand, but that all written instructions apply to any size stand, thanks to the modular design of the SXR.)

Step 3. Identify six Struts of the correct size for this level of the SXR. Keep in mind that the SXR is being assembled upside-down, so the first SXR Horizontal Support Assembly is the top level. The Struts will provide component spacing equal to $5\frac{1}{2}$ " less than their total length (including threads).

e.g., Struts that measure $13\frac{1}{2}$ " end-to-end (photo 4) will provide 8" of component spacing on top of an HRS Isolation Base.

Custom orders may include sets of Struts threaded together with a Spacer between them to achieve larger component spacing (photo 5). For the instructions in this manual, simply treat these assemblies as if they were each a single extra-long Strut.



Photo 4

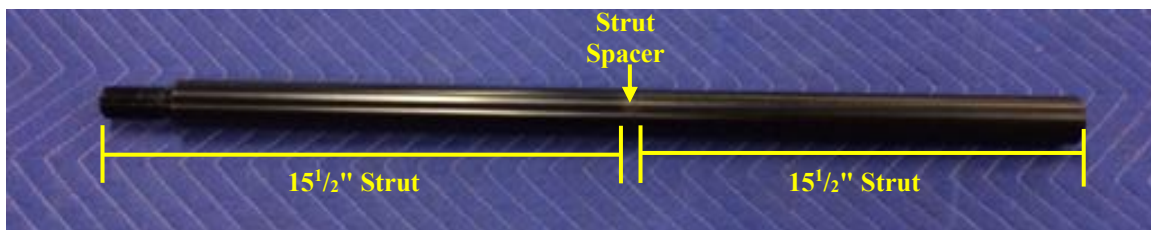


Photo 5

Fully thread a Strut onto each threaded Cap in the SXR Horizontal Support Assembly (photo 6). A high-quality Tef-Gel lubricant is applied to all Struts of the SXR Audio Stand at HRS prior to shipping, so they should be ready for assembly with proper lubrication. If you feel metal-on-metal friction, or if the threads squeak during assembly, apply the provided Tef-Gel lubricant by dispensing a line of Tef-Gel that runs the length of the provided brush (photo 7), and spreading it in a circular motion around the surface along the entire length of the male threads to produce a complete and even coating (photo 8). Repeat this process with a new line of Tef-Gel lubricant on the brush for the mating female thread (photo 9). Use the provided HRS Grip Pad (photo 10) to tighten each Strut between one-quarter and one-half rotation after it contacts the polymer ring.



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10

Step 4. Place a polymer ring around the threads of each Strut just as you did for the Caps on the top level. Be sure the polymer rings sit fully on each Strut (photo 11). The polymer ring should sit on the non-threaded shoulder just below where the thread stops.



Photo 11

Step 5. Carefully lower another SXR Horizontal Support Assembly onto the existing structure, so that the Strut threads pass through the six holes in the assembly (photo 12). The HRS logos should all face the same direction, and the SXR Horizontal Support Assembly should seat fully onto the threads and rest in full contact with the polymer rings.



Photo 12

Step 6. Tighten the eight fasteners indicated in photo 13 on the bottom of the newly installed SXR Horizontal Support Assembly. Use the provided ratchet wrench to rotate the fasteners $\frac{1}{16}$ to $\frac{1}{8}$ rotation past snug to achieve proper stiffness in the assembly.

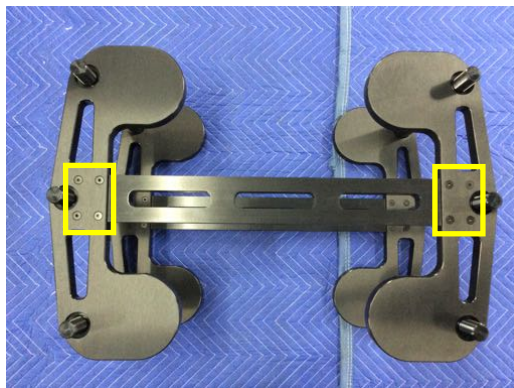


Photo 13

Step 7. Place a polymer ring around the threads protruding through the SXR Horizontal Support Assembly. The polymer rings should sit completely flat inside the counterbored holes of the SXR Horizontal Support Assembly.

If your SXR Audio Stand includes another level, repeat steps 3-7 for the next SXR Horizontal Support Assembly to add it to the stand. Be sure to select the correct size of Struts for each level of your stand to provide adequate space for each of your components. If you have added all necessary levels to the SXR Audio Stand, proceed to step 8.

Step 8. Fully thread a Locking Nut onto the threads protruding through the SXR Horizontal Support Assembly so that the Locking Nuts fully contact the polymer rings you placed in step 7. Thread the Locking Nuts on with the narrow end facing down into the counterbored holes of the SXR Horizontal Support Assembly. A high-quality Tef-Gel lubricant is applied to all Locking Nuts, Washers, and Points of the SXR Audio Stand at HRS prior to shipping, so they should be ready for assembly with proper lubrication. If you feel metal-on-metal friction, or if the threads squeak during assembly, apply the provided Tef-Gel lubricant by dispensing a line of Tef-Gel that runs the length of the provided brush (photo 14), and spreading it in a circular motion around the surface along the entire length of the male threads to produce a complete and even coating (photo 15). Repeat this process with a new line of Tef-Gel lubricant on the brush for the mating female thread (photo 16). Apply final torque to the Locking Nuts by using the provided custom nylon wrench to tighten each nut another $\frac{1}{4}$ to $\frac{1}{2}$ turn after they contact the polymer ring (photo 17). This final torque provides stiffness to the structure to ensure optimal performance for your system.



Photo 14



Photo 15



Photo 16



Photo 17

Step 9. Thread on the Washers just until they fully contact the Locking Nuts (photo 18), and then thread on the Points just until they fully contact the Washers (photo 19). Do not torque the Washers or Points tightly.



Photo 18



Photo 19

Step 10. Assembly of the SXR Audio Stand is now complete. Carefully lift and flip it upright, and move it to the desired final location for use in your system. Depending on the size of your SXR Audio Stand, this may require multiple people. Make sure to orient the SXR Audio Stand so that the front face with the HRS logo(s) faces forward. The Points should be placed directly on carpeted floors. Place them on HRS Floor Protectors instead if your system is located on wood

flooring, or another surface you wish to guard against scratching. HRS Floor protectors are provided with every SXR Audio Stand, but please contact HRS or your authorized HRS dealer if you require more.

Leveling the SXR Audio Stand - The SXR Audio Stand is now ready to be leveled. Place the provided level on the top SXR Horizontal Support Assembly, and apply gentle pressure against each side of the stand to see if it rocks back and forth. If the stand does rock back and forth and/or does not sit level, thread out the Point(s) that must be extended to level it, $\frac{1}{4}$ turn at a time, until it is level with all six Points in contact with the ground. Do not thread out the Point(s) more than five full rotations. Each Point must have three full rotations of engagement with the thread for proper performance and strength.

If more adjustment is required, place a shim under the Point(s) so that the additional travel is achieved without violating the three full thread minimum engagement requirement.

Once the system is level, hold the extended Point(s) with one hand and thread the Washer down with your other hand against the top of the Point. Gently torque all six Washers against the tops of the Points with the HRS Grip Pad. This will lock the Points into place and prevent any motion out of the threaded connection. The result should be a very stable, firm, and level structure.

Installing HRS Isolation Bases into the SXR Audio Stand - Make sure to read and follow all of the instructions in the HRS Isolation Base manual(s) prior to installing any into the SXR Audio Stand. Verify that the SXR Audio Stand size matches that of the HRS Isolation Bases. The SXR-1921 fits HRS Isolation Bases whose feet measure 16" apart center-to-center from left to right, and 14" center-to-center from front to back. The SXR-1719 fits HRS Isolation Bases whose feet measure 14" apart center-to-center from left to right, and 12" center-to-center from front to back.

Note the load range of each HRS Isolation Base to determine which component of your system each base is matched to. Matching the HRS Isolation Base to the proper component weight will ensure optimum performance. Load ranges can be changed for a nominal factory fee, so if you do not have the correct load range for a component, please contact Harmonic Resolution Systems or your authorized HRS dealer to have this corrected.

Do not lift HRS Isolation Bases by the inner plate or the external feet attached to the bottom of the rectangular frame. Always lift or move the HRS Isolation Base with the inner plate facing up and the external support feet facing down (the same orientation as when used to support your component). Always follow these handling instructions to prevent personal injury or damage to the unit.

Load the HRS Isolation Bases from the front of the SXR Audio Stand, with the HRS logo facing you. Briefly rest the rear feet of the HRS Isolation Base in the pockets at the front of the desired layer of the SXR Audio Stand, so that another person can reach in from behind to hold the HRS Isolation Base. Lift the HRS Isolation Base together, and carefully guide it between the Struts to rest all four HRS Isolation Base Feet into the Support Brace pockets at the same time.

Make sure that the HRS Isolation Base Feet are located securely in the pockets of the SXR Support Braces. For standard HRS Isolation Base sizes, this will automatically occur when the front and back edges of the HRS Isolation Base are in line with the front and back faces of the SXR Audio Stand.



Completed SXR-1921-3V-100-080-B (left) and SXR-1921-3T3-100-080-B (right)
Both systems shown with HRS M3X2 Isolation Bases

Loading Components into SXR Audio Stand - Carefully load each component from the front of the SXR Audio Stand. Be careful not to hit any part of the system or HRS Isolation Bases. Make sure that none of the HRS Isolation Bases are overloaded. By placing one or two fingers on the bottom of the SXR Horizontal Support Assembly, and your thumb on the top of the HRS Isolation Base, you should be able to move the top of the HRS Isolation Base slightly (at all four corners) by squeezing your fingers together. G7 Feet do not require this test, as they have no compliance by design. If your SF or LF Isolation Base Feet have no compliance, remove the HRS Isolation Base and component to verify that the load range of the HRS Isolation Base is correctly matched with the component. Please consult your authorized HRS dealer or contact Harmonic Resolution Systems if you need assistance. The HRS Isolation Base load range can be modified by sending it to Harmonic Resolution Systems or an authorized HRS dealer to have the primary isolation stage rebuilt.

Modifying or Expanding Your SXR Audio Stand - Please contact HRS or your authorized HRS dealer if you would like to modify your SXR Audio Stand. Thanks to the modular design of the SXR, expanding your system by adding layers, or even splitting into multiple stands, can be done in your own home with parts available from HRS. Simply remove all components from your SXR, and turn it upside-down on a work surface prepared the same as for the original assembly process. Remove the Points and Washers by hand, and use the provided custom nylon wrench to remove the Locking Nuts. After that, SXR Horizontal Support Assemblies and Struts can be added, removed, and interchanged freely. Make sure to install and tighten all parts according to the original assembly instructions in this manual.

Care and Maintenance

The SXR Audio Stand is a very low maintenance item that will provide many years of trouble-free performance by applying these basic care instructions.

Clean the external surfaces of the SXR Audio Stand using a professional quality ultra-soft lint-free micro-fiber cloth available in high quality automotive stores. Use a lightly water damped cloth if you need to clean dirt from the SXR. Do not use commercial furniture polishes on the SXR.

Please follow the care instructions in the HRS Isolation Base manual to clean and care for any HRS Isolation Bases in the SXR Audio Stand. Read and follow the instructions received with the HRS Isolation Base to ensure optimum performance and cosmetic appeal.

Do not spray, soak, or submerge the SXR Audio Stand or HRS Isolation Bases in water or cleaning solutions. The SXR Audio Stand and HRS Isolation Bases are made from many different parts and materials. Submerging, spraying, or soaking the SXR Audio Stand or HRS Isolation Base will cause permanent damage to the assembly.

Clean the metallic parts of the HRS Isolation Base and SXR Audio Stand using a lint-free soft (non-abrasive) cloth. Use a damp cloth with a mild soap or Pledge Multi-Surface Cleaner if required. Do not use abrasive cleaners or solvents to clean the SXR Audio Stand or HRS Isolation Base, as they will damage the quality of finish. Solvents and solvent-based cleaners will attack and damage some of the materials used in the SXR Audio Stand and HRS Isolation Base and should never be used.

Do not wash the interior flex element of the HRS Isolation Base feet even if you see a coating or white substance on the surface of the flex element. This coating is intentional and is put in the flex element to protect the isolation material from the environment.

Warnings!

Do not place objects with sharp or pointed feet directly on the HRS Isolation Base.

Do not immerse in water or spray with water or any other liquids.

Do not use abrasive cleaners or abrasive sponges.

Do not wash with any solvent-based cleaning solutions.

Do not wash the interior flex element of the Isolation Base Feet, even if you see a coating or white substance on the surface of the flex element.

Limited Warranty



Scan here to register for HRS 5-year Limited Warranty

Harmonic Resolution Systems warrants the product designated herein to be free of manufacturing defects in material and workmanship, subject to the conditions herein set forth, for a period of 90 days from the date of purchase by the original purchaser. **The purchaser is required to register the unit with Harmonic Resolution Systems by visiting <https://avisolation.com/company-warranty/> and completing the limited warranty registration, within 14 days upon receipt of any HRS product. Scan QR code to register for HRS 5-year limited warranty.**

The limited warranty extends the 90 days to a period of 5 years from the date of purchase by the original purchaser, or no later than 6 years from the date of shipment to the authorized Harmonic Resolution Systems dealer, whichever comes first.

This limited warranty is subject to the following conditions and limitations.

1. The limited warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in the owner's manual, abused or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with or modified by anyone other than Harmonic Resolution Systems. The product must be packed and returned to Harmonic Resolution Systems by the customer at his or her sole expense. A written description of the defect and a photocopy of the original purchase receipt must accompany a returned product. This receipt must clearly list the model and serial number, the date of purchase, the name and address of the purchaser, the authorized HRS dealer, and the purchase price. Harmonic Resolution Systems reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products, and to change the prices or specifications of any product, without notice or obligation to any person. This warranty is void and inapplicable if the product has been handled other than in accordance with the instructions specified within this document, abused or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being tampered with, modified or repaired by anyone other than Harmonic Resolution Systems.
2. The limited warranty does not cover normal recommended care and maintenance. Harmonic Resolution Systems Inc. shall not be responsible in any way for consequential or indirect damages or liabilities resulting from the use of the product covered herein, or, resulting from any breach of this warranty or any implied warranty relating to said product.

3. Harmonic Resolution Systems shall not be responsible in any way for damage to finishes resulting from normal use, or exposure to sunlight or the environment, even within the normal and extended limited warranty period.

During the limited warranty period, Harmonic Resolution Systems will repair or replace any defective components free of charge. A Return Authorization Number (RA Number) obtained directly from Harmonic Resolution Systems is required before any product is returned to Harmonic Resolution Systems for any reason. This number must be visible on the exterior of the shipping container(s) for Harmonic Resolution Systems to accept the return.

Units shipped to Harmonic Resolution Systems Inc. without a visible RA Number on the exterior of the shipping container(s) are subject to be returned to the sender, freight collect.

Units to be repaired by Harmonic Resolution Systems must be sent shipping and insurance prepaid by the original purchaser in the original packaging material. A returned product should be accompanied by a written description of the defect.

Repaired units will be returned by Harmonic Resolution Systems shipping, and insurance will be prepaid by the customer.

All other warranties or conditions, either written or implied, are void.

(MADE IN USA)

All Harmonic Resolution Systems Inc. products are 100% made in The United States of America by skilled craftsmen using only the finest materials and our personal dedication to the highest workmanship standards.

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