

## **RXR AUDIO STAND**

**A Low Noise Floor Is Fundamental**

# Introduction

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

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

Please read this manual **completely** prior to assembly and use of your RXR Audio Stand. It contains instructions necessary for proper assembly, use, and care of this system. Proper care of your RXR 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, exotic finishes, 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 anytime. From all of us here at HRS, we truly hope you enjoy our product.

Your order was built and inspected by the following HRS staff:

Production Process: \_\_\_\_\_

Inspection Approval: \_\_\_\_\_

Packaging: \_\_\_\_\_

## Safety Instructions

### IMPORTANT WARNINGS!

Do not place any tall objects on the top shelf of the RXR Audio Stand. A tall object is any object with a height that is greater than the length of the isolation base. A tall object is also any object that has a height greater than its own width or length. Tall objects **must not** be placed on top of the RXR 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 RXR Audio Stand with the shelves (Isolation Bases) installed. You should always move the RXR Audio Stand frame to its final location prior to loading shelves and components. Moving the RXR Audio Stand frame with the isolation bases installed (with or without equipment) can permanently damage the frame system or cause the shelves to fall out of the rack resulting in potential damage or injury. Always take the time to remove all of the equipment and shelves to relocate the RXR Audio Stand.

Do not lift the isolation base (shelf) by the inner plate (M3, M3X model) or the external feet attached to the bottom of the rectangular frame. **Always** lift or move the isolation base with the inner plate facing up and the external support feet facing down (same orientation as when used to support your component). **Always** follow these handling instructions to prevent personal injury or damage to the unit.

## Setup Instructions

The RXR Audio Stand consists of a frame structure and isolation bases that support each component. The components required to assemble the frame are shipped in one or more boxes. The number of boxes depends on the system size. Each box containing parts for the frame will be marked with the model number starting with RXR. All the wrenches required to put the frame together are included with the shipment.

**Work Surface** - Prior to unpacking any material, locate a very strong and very stable work surface (capable of supporting 250 lb. load) or an area on the floor that will give you a very soft scratch resistant work area that is at least three feet by three feet in size. The more space you have the better, as it will give you room to move around the frame 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 same size that will prevent damage to high quality finish on the frame.

**Unpacking Assembly Hardware** - Remove all the contents from all the boxes marked with RXR model number. Place all the hardware on a table adjacent to your selected work surface and remove all the wrapping material. Be careful not to drop or allow any of the parts to contact each other as they may scratch the surface. Do not stack the parts on top of each other once they are removed from the protective packaging material. To make assembly easier, group identical parts together in an organized manner. Make sure all RXR Primary Supports are the same size; also check that the RXR Side Rails and RXR Center Rail if needed are the correct length.

This audio stand will be assembled on its side. Depending on what frame configuration you have purchased there may be a number of Primary Supports that have threaded studs already attached. Do not try to remove these threaded studs as they are attached to the frame. These Primary Supports with threads will be the bottom of the audio stand.

**Step 1.** Your stand might be fully assembled. If so, skip to Step 7 and proceed. To start assembling the RXR Audio Stand, locate one of the RXR Side Rails. Place it with the side that contains the small threaded holes facing up. Take one of the RXR Primary Supports **without** the threaded inserts and place it at the top of Side Rail. The top of the Side Rail is the end that has a wooden cap on it. At the top end all you see is wood; at the bottom end you will see two threaded inserts). (See Picture 1.)



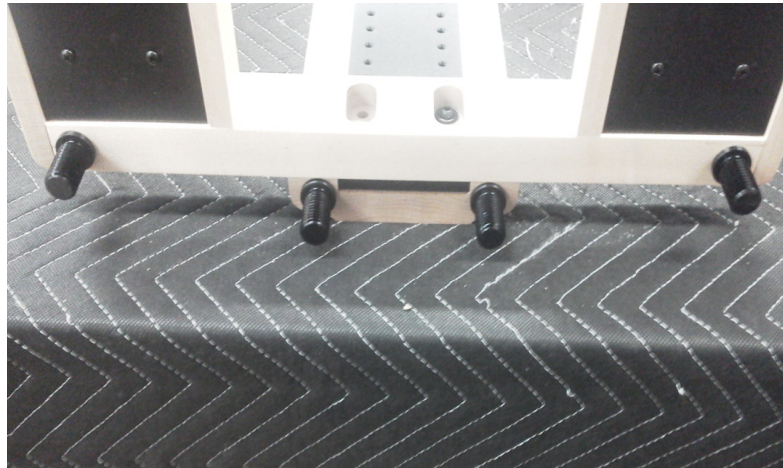
Picture 1.

Put two of the 1/4"-20 x 1" button head fastener with one 1/4" flat washers on each of the screws in two holes that are diagonal from each other on the Primary Support. Carefully with the fasteners sticking out through the support, line them up with the corresponding holes of the Side Rail. The top Primary Support should be just about level with the top of the Side Rail. (See Picture 2.) Only place two fasteners in each side of the Primary Supports during the initial assembly of the stand, the rest will be added in later.



Picture 2.

**Step 2.** The Primary Support with threaded inserts will be the bottom of the stand. (Take notice that each of the Primary Supports has two shallow grooves on one side, these grooves are to indicate the front of the RXR Audio Stand. As the stand is assembled every Primary Support should have these grooves facing the same direction.) Attach the bottom Primary Support just as in Step 1. The Side Rail will sit about ¼” up from the bottom of the Primary Support. (See Picture 3.)



Picture 3

**Step 3.** Once the top and bottom Primary Supports are in place, it is time to place the rest of the Primary Supports that go between them. Picture 4 shows the stand with the top and bottom Primary Supports attached to the Side Rail.



Picture 4



Their locations will vary depending on the needed space for the components being used. To get a rough idea of where the Primary Supports should go take the component space needed and add 4 ¼” to it. The bottom of the Primary Support should be this distance from the bottom of the support above it. If there isn’t a threaded hole at the distance needed, simply move it up or down to the next closest hole based on the space needed for the component. Repeat this step until all the remaining Primary Supports are in place. (See picture 5)



Picture 5

**Step 4.** Take the last remaining Side Rail and place it on top of the Primary Supports with the threaded holes facing down toward the supports and with the end of the rail in the same orientation as the first rail already attached (picture 6).



Picture 6.

If building a Double Wide Stand, place the Center Rail on top of the Primary Supports with the threaded inserts pointing toward the bottom of the stand. (See Picture 7.)



Picture 7

As in Step 1. Use two of the  $\frac{1}{4}$ "-20x 1" button head fastener with a  $\frac{1}{4}$ " flat washer on each of the fasteners and place one of them through the Primary Support. Carefully move the Side Rail or Center Rail so that the top of the rail and the support are level with each other. The fastener should easily thread into the Rail. Again do not fully torque any of the fasteners yet. Place two fasteners in each Primary Support (see picture 2) diagonally across from each other.

Additionally when building a Double Wide Stand, it is best to turn the first half of the stand onto its back or front, and then add more Primary Supports, Side or Center Rails as needed. It is important to keep the orientation of the front of the Primary Supports in mind while assembling the stand. All the sides with the two grooves should face the same direction in the stand. (See Picture 8.)



Picture 8



**Step 5.** Once there are at least two fasteners in each side of all the Primary Supports go back and place the last two fasteners in each side of the supports. All of the fasteners should turn in very easily, if for some reason one seems hard to turn in try moving the Primary Support slightly, this should help the fastener thread in easily. Never force a threaded fastener on the RXR frame, as you will strip the bolt plate and cause damage to the unit.

**Step 6.** Now that all the fasteners are assembled into the frame you can start to slowly torque down the fasteners by gradually tightening each fastener a little at a time to keep even pressure on all the threaded connection in the frame. All of the fasteners will need to be made just snug. Once this is done and starting back at the first set of fasteners, fully torque each fastener. Each fastener is at full torque by turning the T-wrench about a half turn after the fastener is snug.

**Step 7.** Cut a small opening in the top of the oil provided with the RXR Audio Stand and place a small amount on each of the RXR Threaded Inserts on the bottom Primary Support. (See Picture 9.)



Picture 9.

Screw on to each of the inserts one RXR Locking Nut and one RXR Point (See pictures 10 and 11). Once all these parts are on the stand, it is fully assembled. Do a final check that all the grooves on the Primary Supports are facing the same direction; the side with grooves is the front of the stand.



Picture 10.

Picture 11.

**Step 8.** At this point the RXR Frame is completely assembled. (See Picture 12.) Flip the RXR Frame upright, move the frame to the exact final location for use in your system. Make sure the front of the frame is (the side with the grooves on the Primary Supports) facing into the room. The RXR 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.

You are now ready to level the RXR frame. Place a level on the top Primary Support. Rotate the RXR Point on the bottom of the stand counter clock wise (clock wise if viewed from the top of the stand) as required to level the stand and make it stable (contact with floor at all eight locations). Make sure you do not rotate the RXR Points out more than 4-5 complete rotations. The RXR Points must have three (3) complete rotations of engagement remaining on the threaded strut for proper performance and strength.

If more adjustment is required use a shim under the RXR Points so that the additional travel is achieved without violating the three (3) full thread minimum engagement requirement. When the stand frame is level, hold the RXR Point with one hand and screw the RXR Locking Nut with your other hand back into the top of the RXR Point and torque as much as possible with your hands. This will lock the RXR Points into place and take any motion out of threaded connection. The result should be a very stable, firm, and level frame structure.



Picture 12 Completed Single Wide Stands



Picture 13 Completed Double Wide Stands

You are now ready to load the HRS Isolation Bases and equipment into the RXR frame system. The RXR has a 200 lbs maximum weight limit per level and a total vertical weight limit of 600 lbs. See the chart below for clarification.

Stand Height	Max limit per level	Max limit per vertical section
RXR-5V	200 lbs per level max	600 lbs max per vertical section
RXR-4V	200 lbs per level max	600 lbs max per vertical section
RXR-3V	200 lbs per level max	600 lbs max per vertical section
RXR-2V	200 lbs per level max	400 lbs max per vertical section
RXR-1V	200 lbs per level max	200 lbs max per vertical section

The RXR has a total frame load limit of 600 lbs. This includes the weight of the isolation bases and the components combined. For example if the total weight of all the isolation bases in the frame is 300 lbs then you have a total maximum component weight, for all components in the frame, of 300 lbs. Never exceed the total weight of 600 lbs (isolation bases plus components) for any RXR frame. If you need more weight capacity then please use the HRS SXR, SXR Signature, or MXR Frame systems.

**Isolation Base Installation into RXR Frame** - Uncrate each of the isolation bases if not already complete. Make sure you read and follow all of the instructions in the isolation base manual prior to installing into the RXR Audio Stand frame. You will want to verify that the frame size matches the isolation base size. The RXR-1921 uses the 1921 size isolation bases. The RXR-1719 uses the 1719 size isolation bases.

Match the load range of each isolation base with the component weight. Matching the isolation base to the proper component weight will ensure optimum performance. The load range can be changed for a nominal factory fee. If you do not have the correct load range for a component, please contact Harmonic Resolution Systems, Inc. or your local certified retail location to arrange to have this corrected.

Load the HRS Isolation Bases into the RXR Frame with the HRS logo facing the front of the rack system. Be sure that the isolation base (shelf) foot is located securely in the pocket of the RXR Frame Primary Support. This will automatically occur when the front and back edge of the isolation base is in line with the front and back face of the frame. If the front and back edges do not line up with the front and back of the frame structure, contact Harmonic Resolution Systems, Inc. or your certified retail location because you do not have the proper

size isolation base or frame. Use the twin shallow bodylines on the front of the RXR Primary Support Structure to locate the isolation bases from left to right in the frame. The widths of the shallow bodylines are the same as the standard isolation base that is designed for use with the frame. When the left and right edge of the isolation base is lined up with the ends of the shallow bodylines in the frame then the isolation base is in the center of the frame.

**Loading Components into RXR Frame** - Carefully load each component into the RXR Audio Stand. Be careful not to hit the front edge of the isolation base because you will scratch the frame. Once all the components are loaded, you should check to see that none of the isolation bases are overloaded. By placing one or two fingers on the bottom of the Primary Support and your thumb on the top of the isolation base, you should be able to move the top of the isolation base slightly (at all four corners) when you squeeze your finger(s) together. If there is no compliance, remove the isolation base and component to verify the load range of the isolation base is correctly matched with the component. The load range of the isolation base is identified by a colored sticker on the back of the isolation base (see the HRS Isolation Base manual for instructions). Please consult with your authorized Harmonic Resolution Systems, Inc. dealer or contact Harmonic Resolution Systems, Inc. if you need assistance. The HRS Isolation Base load range can be easily modified at any time by sending it to Harmonic Resolution Systems, Inc. or an authorized dealer to have the primary isolation stage rebuilt.

## Care and Maintenance

The RXR 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 RXR Audio Stand frame 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 frame. **Do not** use commercial furniture polishes on the RXR.

Please follow the care instructions in the isolation base manual to clean and care for the shelves (isolation bases) of the RXR Audio Stand. Read and follow the instructions received with the isolation base to ensure optimum performance and cosmetic appeal.

**Do not** spray, soak, or submerge the rack frame or isolation bases in water or cleaning solutions. The rack system and isolation bases are made from many different parts and materials. Submerging, spraying, or soaking the rack system or isolation base will cause permanent damage to the assembly.

Clean the metallic parts of the isolation base and RXR Audio Stand using a lint-free soft (non-abrasive) cloth. Use a damp cloth with a mild soap or Pledge Surface Cleaner if required. **Do not** use abrasive cleaners or solvents to clean the RXR frame or 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 RXR frame and isolation base and should never be used.

**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. This coating is intentional and is put in the flex element to protect the isolation material from the environment.

### Warnings!

Placing ultra sharp pointed feet directly on the isolation base may cause permanent scratches.

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 feet even if you see a coating or white substance on the surface of the flex element.

Be very careful not to cross thread the fasteners when moving the shelf brackets



## Limited Warranty

Harmonic Resolution Systems, Inc. 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. If the purchaser registers the unit with Harmonic Resolution Systems, Inc. by mailing in the warranty card, together with a copy of the bill of sale, within 14 days of the date of purchase, said purchaser would be registered for an extended service contract. The extended service contract extends the 90 days to a period of five (5) years from the date of purchase by the original purchaser or no later than six (6) years from the date of shipment to the authorized Harmonic Resolution Systems, Inc. dealer, whichever comes first. This warranty is subject to the following conditions and limitations.

1. This warranty is subject to the following conditions and limitations. The 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, Inc. The product must be packed and returned to Harmonic Resolution Systems, Inc. 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 model and serial number, the date of purchase, the name and address of the purchaser and authorized dealer and the purchase price. Harmonic Resolution Systems, Inc. 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.
2. Warranty does not cover normal recommended care and maintenance.
3. 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.
4. Harmonic Resolution Systems, Inc. shall not be responsible in any way for damage to finishes resulting from normal use and exposure to sunlight and the environment even within the normal and extended warranty period.

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