



VXR AUDIO STAND

A Low Noise Floor Is Fundamental

Introduction

Thank you for purchasing the patented Harmonic Resolution Systems VXR Audio Stand (US Patent No.: 10,045,615). When used properly, it will give you many years of superior musical or video signal reproduction.

The VXR 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 VXR Audio Stand. This reference level product from Harmonic Resolution Systems, Inc. will enable your audio/video source and amplification components to achieve peak performance.

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

Please read this manual **completely** prior to assembly and use of your VXR Audio Stand. It contains instructions necessary for proper assembly, use, and care of this system. Proper care of your VXR 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 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**

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 shelf of the VXR Audio Stand. A tall object is any object with a height that is greater than the length of the HRS 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 VXR 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 VXR Audio Stand with the HRS Isolation Bases installed. You should always move the VXR Audio Stand to its final location prior to loading HRS Isolation Bases and components. Moving the VXR Audio Stand with the HRS Isolation Bases installed (with or without equipment) can permanently damage the system's adjustable feet 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 HRS Isolation Bases to relocate the VXR Audio Stand.

Always lift HRS Isolation Bases with the inner plate facing up and the external support feet facing down (same orientation as when used to support your component). **Always** lift HRS Isolation Bases by their outer frame structure, not by their supporting feet. **Always** follow the handling instructions in the HRS Isolation Base manual and this manual to prevent personal injury or damage to the unit.

Setup Instructions

Setting Up a Fully Assembled VXR Audio Stand - If your HRS VXR Audio Stand arrived fully assembled, follow the instructions attached to the shipping crate to properly unpack it and set it up at your desired location. If it was delivered with wheels attached, you may skip the assembly instructions below and begin reading from the section titled “Replacing Wheels with VXR Foot Details” on page 12. If the stand was delivered fully assembled with the standard VXR foot details, you may skip that section as well, and begin with “Leveling the VXR Audio Stand” on page 13.

At least two people are required to assemble the VXR Audio Stand. Some VXR Subassemblies can weigh in excess of 50 pounds, and the completed audio stand without HRS Isolation Bases will weigh approximately 60 pounds per shelf location. Always make sure you have the proper number of people to move the audio stand safely and easily.

The VXR Audio Stand System consists of an audio stand structure and the HRS Isolation Bases that support each component. The total number of boxes depends on the capacity of the system. The standard three and four shelf structures come in six and seven boxes, respectively. Each box will be marked with the model number starting with VXR. There should be two or more long wooden crates that contain the VXR Vertical Leg Subassemblies, and one cardboard box or wooden crate for each VXR Horizontal Crossmember Subassembly. The final small cardboard box contains this assembly manual, feet, fasteners, and tools required for assembly of the VXR audio stand. The only tool necessary for assembly that is not provided by HRS is a Philips head screwdriver for unpacking the wooden crates (electric drive with PH2 bit recommended).

Work Surface - Prior to unpacking any material, locate a very strong and stable work surface capable of supporting at least twice the weight of the completed assembly or an area on the floor that will provide a soft, scratch-resistant workspace at least three feet by six feet in size. The more space you have the better, as it will give you room to move around the audio stand during 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 (min size 24" x 45") that will prevent damage to the cosmetic surfaces of the VXR Audio Stand parts.

Unpacking VXR Assembly Hardware - Remove all the contents from the cardboard box labeled "VXR Parts Box". This box contains all the hardware required to assemble the audio stand. Place the contents on a table near your selected work surface and remove all the wrapping material. Be careful not to drop or allow the anodized aluminum parts to contact each other as that may scratch the surface. Do not stack the parts on top of each other once they are removed from the protective packaging material.

Unpacking VXR Vertical Leg Subassemblies - Unpack two VXR Vertical Leg Subassemblies by removing the top surface of the crate. You will need a Philips head screwdriver (electric drive is recommended) to open the crate. Remove the legs from the crate by lifting vertically at each end and move them directly to your prepared work surface with the Bolt Plate and keyway facing up and the flat rear face on the work surface. If you are building a multi-wide model VXR, you will have at least two VXR Vertical Leg Subassemblies with Bolt Plates on both sides. These VXR Double-Sided Subassemblies can be placed with either face down, but be very careful not to place the Bolt Plates on anything that may damage them. Saving all the packing material is critical for secure transportation of the audio stand in the future. Shipping or moving the VXR Vertical Leg Subassemblies by any means other than how it was originally packaged at HRS may result in permanent damage to the unit.

Installation of VXR Adjustable Foot System - Unwrap two of the four feet supplied with the unit. Remove the nut and washer from each foot (see photo 1).



Photo 1

Hand-tighten the nut all the way down on each individual foot. Then, loosen it again by one half rotation (see photo 2).



Photo 2

Place the supplied washer on top of the nut and then screw one foot each into the threads on the bottom of two VXR Vertical Leg Subassemblies (see photos 3 & 4). The feet should be threaded into the insert until the washer is held in contact with the bottom of the leg. (This ensures maximum engagement between the insert and the foot).



Photo 3



Photo 4

Attaching the VXR Horizontal Crossmember Subassemblies - You are now ready to attach the VXR Horizontal Crossmember Subassembly to the VXR Vertical Leg Subassemblies. Two Horizontal Crossmember Subassemblies will hold the two legs together to form the primary VXR structure. Take two of the VXR Vertical Leg Subassemblies and lay them down on your soft work surface so that the distance between the outside edges is equal to the intended depth of the VXR. For most VXRs, this distance is equal to the first two digits in the model number of your VXR (e.g. **19** inches for a VXR-1921 or **17** inches for a VXR-1719) (see photo 5). For model numbers that include a "-2" after the size designation, the VXR is designed with the narrower sides as the front and back, so this measurement is equal to the **second** pair of digits (e.g. **21** inches for a VXR-1921-2 or **19** inches for a VXR-1719-2). Arranging the parts this way will minimize the adjustment required to attach the Horizontal Crossmember Subassemblies.



Photo 5

There are sixteen fasteners holding the VXR Horizontal Crossmember Subassembly rigid that need to be loosened prior to assembly. The eight on the top of the subassembly are circled in photo 6 and there are eight more opposite them on the underside of the subassembly. Remove one VXR Horizontal Crossmember Subassembly from its crate and use the $\frac{5}{32}$ " T-wrench or ratchet wrench supplied with the VXR to loosen (counter clockwise) the sixteen bolts that connect to the Isolation Base Mounts. Only loosen each fastener $\frac{1}{4}$ turn to give the assembly some flexibility for easy installation.



Photo 6

Unless your system includes Solid Brace Inserts, HRS recommends fastening the top Horizontal Crossmember Subassembly at a height that will sit your HRS Isolation Base as close to flush with the top of the VXR as possible. For all HRS Isolation Bases that are not designated “Low Frequency” (LF), fasten the Horizontal Crossmember Subassembly at the 3rd thread from the top (see photo 7A).

For Low Frequency (LF) HRS Isolation Bases, the ideal placement must be determined based on the height of the HRS Isolation Base. If the base that you are placing on top of the VXR measures 3¹/₄” tall (see photo 7D), fasten the Horizontal Crossmember Subassembly at the 3rd thread from the top (see photo 7A). If the base measures 3¹/₂” tall (see photo 7E), fasten the Horizontal Crossmember Subassembly at the 4th thread from the top (see photo 7B).

If you are installing Solid Brace Inserts at the top location of the VXR, fasten the VXR Crossmember assembly at the topmost thread (photo 7C) so that the Solid Brace Inserts are flush to the top of the stand.



Photo 7A
Standard bases
and 3¹/₄” tall LF bases



Photo 7B
3¹/₂” tall LF bases



Photo 7C
SBI at top level



Photo 7D



Photo 7E

Lower one VXR Horizontal Crossmember Subassembly into the keyways of the VXR Vertical Leg Subassemblies at the location desired for the top level of the VXR (see photos 8 & 9).

Make sure the assembly is placed so that the HRS logo will be oriented correctly when the VXR is standing upright, with the pocket for HRS Isolation Base feet facing up away from the floor. Fasten at least one of the $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws to the Horizontal Crossmember Subassembly prior to removing your hand from the assembly to ensure it stays in place. It is crucial that the $\frac{3}{4}$ " long screws are used at this location to obtain proper thread engagement.

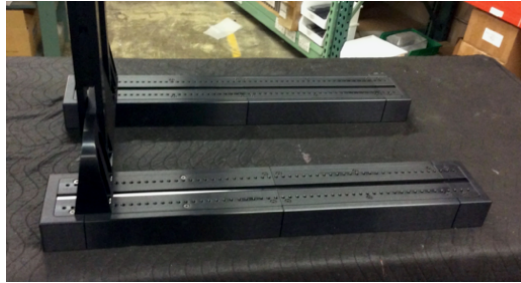


Photo 8

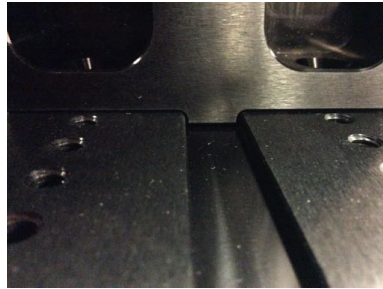


Photo 9

Install the rest of the eight $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws to attach one side of the VXR Horizontal Crossmember Subassembly (see photo 10) to the first two VXR Vertical Leg Subassemblies. You will need to use the supplied ratchet wrench at the location closest to the VXR Crossmember because the T-wrench will hit the VXR Crossmember and prevent screw rotation. Make sure the screws are fully engaged, but do not torque the screws tightly yet. Leave them $\frac{1}{4}$ turn away from fully tightened to allow for a very small amount of play for aligning the other legs later on. All the screws in the Horizontal Crossmember Subassemblies will be fully tightened later on in the assembly process. If they are tightened at this time, you may not be able to complete assembly.

If your VXR Audio Stand has more than one level, fasten the second VXR Horizontal Crossmember Subassembly at the lowest available location on the legs (photo 10).



Photo 10

If your VXR is more than two levels tall (is a 3V model or taller), the spacing between the two legs **must** now be checked to ensure that the Bolt Plates are aligned properly. Properly aligned Bolt Plates will guarantee that the VXR Horizontal Crossmember Subassemblies can fasten at any and all locations in the future. This check is performed at HRS prior to shipping, but should be confirmed on arrival to make sure nothing has shifted in transit.

Carefully lower a third VXR Horizontal Crossmember Subassembly into the keyways near the bottom of your audio stand to make sure it easily sets into the keyways on both legs (see photo 11). Lift the same VXR Horizontal Crossmember Subassembly off the two legs and set it back into the keyways, a few holes up from the first location you checked. It should again fit easily into the keyways on both legs. Repeat this step every few holes until you reach the top of the stand. Do not drag the Horizontal Crossmember Subassembly along the face of the Bolt Plates, and do not force the Horizontal Crossmember Subassembly into the keyways if it begins to stick. Even a slight misalignment in your movement can cause interference. When this happens, gently wiggle the VXR Horizontal Cross Member Subassembly to free it and recheck the fit at that location.



Photo 11

If the VXR Subassembly will not set in at one or more locations, the legs will need to be disassembled so that the Bolt Plates can be realigned. Remove the VXR Horizontal Crossmember Assemblies and set them aside, and then follow the Bolt Plate alignment instructions beginning on page 21 of this manual.

Install the rest of the VXR Horizontal Crossmember Subassemblies the same way you did the first (see photo 12). Make sure to space the VXR Subassemblies properly for the components and HRS Isolation Bases that will be placed on the VXR. Make sure to take into account the three-inch height of each HRS Isolation Base when determining your desired spacing. Orient the HRS logos so that when the stand is sitting on its feet, the HRS logos will be in the proper orientation. Make sure that all eight screws that connect the VXR Horizontal Crossmember Subassembly to the legs are fully installed before moving to the next assembly process, but leave them $\frac{1}{4}$ turn away from fully tightened.



Photo 12

Remove two more VXR Vertical Leg Subassemblies from the wooden crate and place them on your work surface. If you are assembling a multi-wide VXR, use all of the VXR Double-Sided Vertical Leg Subassemblies (with Bolt Plates on two sides) before installing the second set of VXR One-Sided Subassemblies. Remove the legs from the crate by lifting vertically at each end, and move them directly to your prepared work surface. Again, saving all the packing material is critical to secure transportation of the audio stand in the future. Shipping or moving the VXR Vertical Leg Subassemblies by any other means may result in permanent damage to the unit.

Install feet, nuts, and washers on the VXR Vertical Leg Subassemblies in the same way you did the first set. Unwrap two of the four feet supplied with the unit. Remove the nut and washer from each foot (see photo 13).



Photo 13

Hand-tighten the nut all the way down on each individual foot. Then, loosen it again by one half rotation (see photo 14).



Photo 14

Place the supplied washer on top of the nut and then thread one foot each into the threads on the bottom of two Vertical Leg Subassemblies (see photos 15 & 16). The feet should be threaded into the insert until the washer is held in contact with the bottom of the leg. (This ensures maximum engagement between the insert and the foot).



Photo 15



Photo 16

VXR Vertical Leg Subassembly Installation - If you are assembling a multi-wide VXR, use all the VXR Double-Sided Vertical Leg Subassemblies (with Bolt Plates on two sides) before installing the second set of VXR One-Sided Subassemblies.

Carefully lower one leg onto the open side of the VXR Mount Assemblies you already installed (see photo 17). Make sure the keys on the VXR Mount Subassemblies slot into the keyways on the legs completely (see photo 18). Note that the photographs here show the installation of a VXR One-Sided Vertical Leg Subassembly for a single-column VXR. Make sure that if you are assembling a VXR with multiple columns, you install VXR Double-Sided Vertical Leg Subassemblies at this stage so that the other columns can be built off of the first.



Photo 17



Photo 18

Install all the $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws on the third VXR Vertical Leg Subassembly (four at each mount location) until they are fully engaged, but do not torque the screws tightly at this time. As before, leave them $\frac{1}{4}$ turn from fully tightened to allow a very small amount of play for now.

Repeat this "VXR Vertical Leg Subassembly Installation" section to install the fourth VXR Vertical Leg Subassembly (see photo 19).



Photo 19

Torque all of the $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws to rigidly secure all locations in the VXR Horizontal Crossmember Subassemblies to the VXR Vertical Leg Subassemblies (see photo 20). Proper torque is achieved when you can turn the handle of the provided T-wrench $\frac{1}{8}$ turn without further rotating the fastener, or $\frac{1}{8}$ turn past snug if you are using the provided ratchet wrench. Do not use any extension or large wrenches that could over-torque and strip the threads. Tighten the sixteen $\frac{1}{4}$ "-20 \times $\frac{7}{8}$ " screws (eight on top and eight on bottom) in each of the VXR Horizontal Crossmember Subassemblies to the same torque (see photo 21).



Photo 20

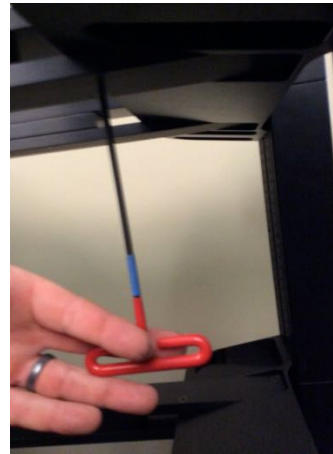


Photo 21

You can now stand the VXR up on its feet. Clear any objects out of the way, to prevent damage to them or the stand. Then, at least two people should lift the top of the stand together to tip it onto its feet (see photo 22). Since your VXR now has feet installed, skip the next section of this manual and continue assembly from the section titled "Leveling the VXR Audio Stand" on page 13.



Photo 22

Replacing Wheels with VXR Foot Details – Only follow the instructions in this section if your VXR has wheels installed instead of standard VXR Foot Details. Otherwise, skip to "Leveling the VXR Audio Stand" on page 13.

Carefully roll the VXR to your desired final location. At least two people should work together to slowly tip the VXR onto its front or back on a clean, soft work surface (a soft carpet or blanket is ideal).

Remove each wheel by supporting it with one hand while turning the top circular section counter-clockwise with your other hand (photo 23). Set the wheels aside along with their accompanying rubber washers. They can be stored for your convenience should you ever need to relocate your VXR, or you can discuss other options with your authorized HRS dealer.

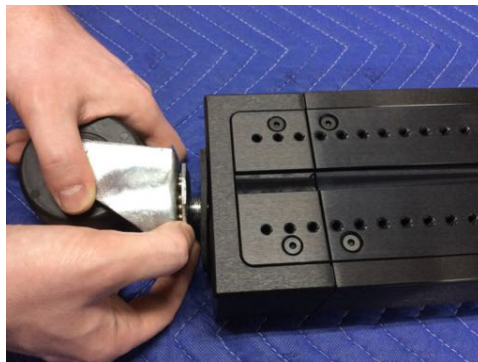


Photo 23

You can now replace the wheels with the provided VXR Foot Details. Unwrap two of the feet supplied with the unit. Remove the nut and washer from each foot (see photo 24).



Photo 24

Hand-tighten the nut all the way down on each individual foot. Then, loosen it again by one half rotation (see photo 25).



Photo 25

Place the supplied washer on top of the nut and then screw each of the feet into the threaded inserts on the bottom of the first VXR Vertical Leg Subassembly (see photos 26 & 27). The feet should be threaded into the insert until the washer is held in contact with the bottom of the leg. (This ensures maximum engagement between the insert and the foot).



Photo 26



Photo 27

When all feet are fully installed, at least two people should work together to lift the stand upright again at its final location.

Leveling the VXR Audio Stand - The VXR Foot Details 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 stabilize and level the VXR. If you are extending your VXR into a doublewide (or larger) system, the first column must be leveled before building the other columns off of it. If you are setting up your VXR on HRS Floor Protectors, place one under each foot before you begin leveling the stand.

Move the VXR to its exact final location for use in your system. Once the VXR is in the final location, check to see if it is level and stable. If it is not, level the VXR by extending the feet using the provided 1¹/₄" ratchet wrench. If there is instability, find out which foot is causing the

instability by gently rocking the VXR with the provided 24" level laid across the top. Only adjust the feet required to make the VXR completely stable and level. **Never** thread any foot system out more than six full rotations from full engagement for **any** reason. There should always be at least four complete rotations of engagement remaining on each foot system.

If you have lost track of how many threads of engagement remain, start over by fully engaging the foot per the original instructions and work your way back out. If the floor that the VXR is sitting on is so uneven that this adjustment range is not adequate, place a metal shim under the feet as necessary to provide proper support of the VXR at each location.

Once all the feet are in a location where the audio stand is stable and level, use the provided 1¹/₈" ratchet wrench to tighten the nut on each foot against the bottom of the VXR so that it locks the foot in place. Use the 1¹/₄" ratchet wrench to hold the foot in place while you do this (see photo 28). The nut is properly tightened when the VXR cannot rock in any direction (i.e. all feet are in constant contact with the floor or HRS Floor Protectors).



Photo 28

Doublewide (and Larger) Systems - Every column of the stand after the first will be built off the first while it is standing as shown in photo 22. Unpack another VXR Horizontal Crossmember Subassembly, and loosen the fasteners circled in photo 29 that hold it rigid, just as you did for the ones in the first column. The fasteners on the top of the subassembly are circled in photo 29 and there are an equal number opposite them on the underside of the subassembly. Only loosen each fastener ¹/₄ turn to give the assembly some flexibility for easy installation.



Photo 29

Have another person hold a VXR Horizontal Crossmember Subassembly in the desired place at the bottom of the stand while you fasten it to the Bolt Plates using a $\frac{5}{32}$ " T-wrench and eight $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws (see photo 30). Attach the rest of the VXR Horizontal Crossmember Assemblies in the same way (see photo 31).



Photo 30



Photo 31

Once all the VXR Mount Assemblies are in place, collect the next two VXR Vertical Leg Subassemblies in your work area. You must install feet, nuts, and washers into these legs as you did for the others. Unwrap two of the four feet supplied with the unit. Remove the nut and washer from each foot (see photo 32).



Photo 32

Hand-tighten the nut all the way down on each individual foot. Then, loosen it again by one half rotation (see photo 33).



Photo 33

Place the supplied washer on top of the nut and then screw each of the feet into the threaded inserts on the bottom of the first Vertical Leg Subassembly (see photos 34 & 35). The feet should be threaded into the insert until the washer is held in contact with the bottom of the leg. (This ensures maximum engagement between the insert and the foot).



Photo 34



Photo 35

Carefully set one Vertical Leg Subassembly against the Base Mounts so that the keys and keyway lock together (see photo 36). If you are setting up your VXR on HRS Floor Protectors, place one under the foot of this leg before it is secured. Use the provided 24" level to make sure the new Vertical Leg Subassembly is perfectly level to the existing stand (photo 37). Adjust the height of the foot as necessary to achieve this, but make sure to keep at least 4 full threads of engagement between the foot and the leg.

Once the leg is level with the existing stand, one person should hold the leg in position locked against the VXR Crossmember Assemblies, while another fastens the leg to the Mounts using four $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws at each level (see photo 38). Leave the fasteners $\frac{1}{4}$ turn away from fully tightened until the stand is completely assembled. Do not force the alignment of the VXR Horizontal Crossmember Subassembly and VXR Vertical Leg Subassembly. If the VXR Subassemblies do not line up easily, make sure the fasteners (see photo 29) holding the Horizontal Crossmember Subassembly have been loosened a full $\frac{1}{4}$ turn from fully tightened.



Photo 36

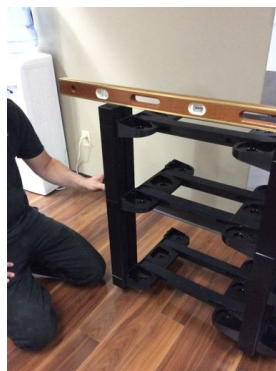


Photo 37



Photo 38

Repeat this process for the second leg of this column. Make sure all legs are leveled to each other before fastening the new leg. When assembling a stand with more columns, repeat this section to install the next column. Use the provided $\frac{5}{32}$ " T-wrench and ratchet wrench to apply the final torque on each fastener prior to installing additional columns. Final torque is achieved when you are able to turn the T-wrench handle $\frac{1}{8}$ turn without rotating the fastener. Do not use any extension or large wrenches that could over-torque and strip the threads.

Installing HRS Isolation Bases into the VXR Audio Stand- Make sure you read and follow all of the instructions in the HRS Isolation Base manual(s) prior to installing any into the VXR Audio Stand. Verify that the audio stand size matches the HRS Isolation Base size. The VXR-1921 uses HRS 1921 Isolation Bases. The VXR-1719 uses HRS 1719 Isolation Bases.

Match the load range of each HRS Isolation Base with the component weight. Matching the HRS Isolation Base to the proper component weight will ensure optimum performance. Identify the load range of each HRS Isolation Base by the colored sticker on the back of the HRS Isolation Base (behind the HRS logo) or the colored dots on the rubber mounts in the feet of the base. The load range 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 arrange to have this corrected. It is very easy to change from one load range to another, and with the proper tools, this can be done in your own home in about five minutes.

Load the HRS Isolation Bases onto the VXR Isolation Base Mounts, with the HRS logo facing the front of the audio stand (see photo 39A & photo 39B). Be sure that the HRS Isolation Base Foot is located securely in the pocket of the VXR Isolation Base Mount. This will automatically occur when the front and back edge of the HRS Isolation Base are in line with the front and back faces of the Vertical Leg Subassemblies. If the front and back edges do not line up with the front and back of the rack structure, contact Harmonic Resolution Systems or your authorized HRS dealer because you may not have the proper size HRS Isolation Base or VXR.



Photo 39A



Photo 39B

Loading Components into the VXR Audio Stand - Refer to the setup instructions in the manual for each HRS Isolation Base to safely load components and check for proper compliance on the HRS Isolation Base Feet.

Measure the height of each component to determine if the HRS Isolation Bases are at the proper locations. If needed, you can move an HRS Isolation Bases up or down by removing it and adjusting the location of the corresponding Horizontal Crossmember Subassembly.

Always follow the instructions below for adjusting the height of Horizontal Crossmember Subassemblies when relocating HRS Isolation Bases in the VXR Audio Stand. Be **very careful** not to cross-thread the fasteners. The fastener should thread in very easily. If any do not, thread them out and start in again. If necessary, remove other fasteners at the same interface, and adjust te location of the Horizontal Crossmember Subassembly until the fasteners all thread in easily. Only apply proper torque once all fasteners are fully threaded into the audio stand.

Adjusting the Height of the VXR Horizontal Crossmember Subassemblies - If you need to adjust the locations of the VXR Horizontal Crossmember Subassemblies for any reason, first remove all components and HRS Isolation Bases from the audio stand. The VXR Horizontal Crossmember Subassemblies fit very tightly into the audio stand, so you will need to partially disassemble them to relocate them.

Once all components and HRS Isolation Bases have been removed from the stand, use the provided $\frac{5}{32}$ " T-wrench or ratchet wrench to remove all six screws from the top of each of the two VXR Horizontal Crossmembers. This will allow you to remove the tops of the Crossmembers (see photo 40). Once they are removed, set the tops of the Crossmembers aside on clean, soft surface, so they will not be scratched or damaged.

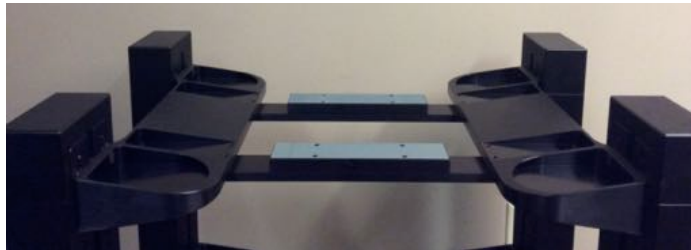


Photo 40

Next, support the bottom of each Crossmember while you remove the four screws that secure them to the Isolation Base Mounts, so that they do not fall onto the lower parts of the VXR. Remove the bottoms of the Crossmembers as well (photo 41), but keep the Spacers with the HRS logo attached to the bottom Crossmember. Set the Crossmember parts aside for now (see photo 42).



Photo 41

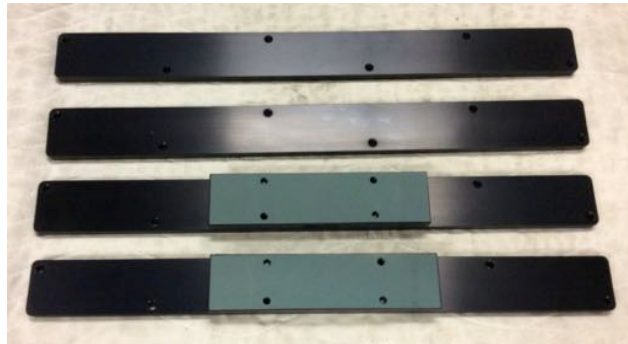


Photo 42

With the VXR Horizontal Crossmembers removed, you are now able to remove the eight fasteners securing the HRS Isolation Base Mounts to the VXR Vertical Leg Assemblies (see photo 43). Have someone support the Mounts as you do this so they do not fall onto lower parts of the audio stand.



Photo 43

Once all the fasteners have been removed, you can move and reattach the HRS Isolation base mount at your desired location. Torque all eight $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws on each HRS Isolation Base mount with the $\frac{5}{32}$ " T-wrench until you can turn the handle of the T-wrench $\frac{1}{8}$ of a rotation without turning the screw.

Refasten the bottoms of the VXR Horizontal Crossmembers to the Isolation Base Mounts using four $\frac{1}{4}$ "-20 \times $\frac{7}{8}$ " screws on the underside of each Crossmember (see photo 44). Make sure to orient the VXR Horizontal Crossmembers so the HRS logos are facing out. Refasten the Crossmember tops at the center two holes first using two $\frac{1}{4}$ "-20 \times $\frac{7}{8}$ " screws (see photo 45).



Photo 44



Photo 45

Finally, thread in the other four $\frac{1}{4}$ "-20 \times $\frac{7}{8}$ " screws at the ends of each VXR Horizontal Crossmember top (see photo 46). Torque all the fasteners in the VXR Horizontal Crossmember Subassembly until you can turn the T-wrench $\frac{1}{8}$ turn without the fastener rotating. When all the fasteners are properly torqued the relocation of the VXR Horizontal Crossmember subassembly is complete. All HRS Isolation Bases and components can be placed back in the audio stand at this time.



Photo 46

VXR Modular Leg Length Modification and Bolt Plate Alignment - All the necessary equipment to disassemble and reassemble the modular vertical leg assemblies is included with your HRS VXR Audio Stand. Refer to these instructions if you need to disassemble your VXR system for any reason, including altering the height by adding or removing leg sections. To disassemble and reassemble the modular vertical leg assemblies you will need the following tools supplied with the audio stand:

- 1/8" T-wrench (see photo 47)
- 5/32" T-wrench (see photo 48)
- Ratchet wrench with 5/32" bit (see photo 49)
- Two VXR Modular Bolt Plate Assembly Jigs (see photo 50)
- Nine metal shims of each thickness: .015", .010", .004", .003", .002", and .001" (see photo 51)
54 pieces total
- Eight 1/4"-20x3/4" flathead cap screws packaged with assembly jigs (see photo 52)

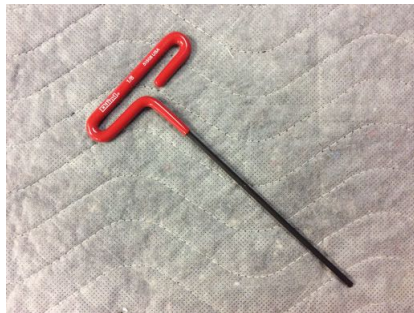


Photo 47



Photo 48



Photo 49



Photo 50

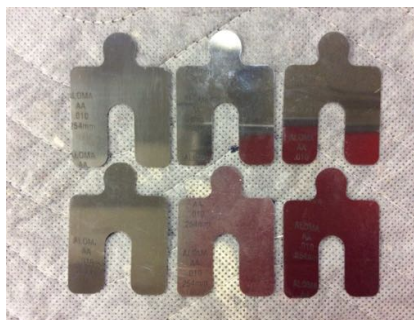


Photo 51



Photo 52

Always remove all components and HRS Isolation Bases from the audio stand before adjusting or removing any part of the VXR. Once the audio stand and the area around it are free of any objects that may cause damage, prepare a work area the same way as during initial assembly. Locate a very strong and stable work surface capable of supporting at least twice the weight of the completed assembly or an area on the floor that will provide a soft, scratch-resistant workspace at least 3'×6' in size. The more space you have the better, as it will give you room to move around the audio stand 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 that will prevent damage to the cosmetic surfaces of the VXR Audio Stand parts. The blanket should be at least 25"×45" to provide a spacious work area, but for large stands make sure to use a blanket large enough to fit the entire stand with open space to work.

At least two people should work together to tip the VXR over onto one side in your work area (see photo 53). If you are working with a doublewide (or wider) stand, you will need to remove VXR legs and VXR Horizontal Crossmember Subassemblies until you are left with only a singlewide VXR. At that point, the VXR can be tipped onto its side.



Photo 53

Use the $\frac{5}{32}$ " T-wrench and ratchet wrench to remove the four $\frac{1}{4}$ "-20× $\frac{3}{4}$ " screws that connect one leg to the VXR Horizontal Crossmember Subassembly at each level of the stand. Multiple types of screws will be removed throughout the disassembly process, so be careful to keep them separate and labeled so they can be identified easily when you eventually reassemble the VXR. Once all the screws have been removed, two people should work together to carefully lift the leg off the stand and place it in your prepared work area (see photo 54). Repeat this process for the second leg.



Photo 54

Now use the $\frac{5}{32}$ " T-wrench and ratchet wrench to remove the $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws holding one VXR Horizontal Crossmember Subassembly to the final two VXR Vertical Leg Assemblies. Support each VXR Horizontal Crossmember Subassembly as you remove its screws so it does not tip over. As you detach the VXR Horizontal Crossmember Subassembly, carefully lift it away from the VXR Vertical Leg Assemblies and set it aside on a clean, soft, surface where it will be out of the way until you begin reassembling the stand. Repeat this for the rest of the VXR Horizontal Crossmember Subassemblies.

Whether you are extending or reducing the height of your VXR Audio Stand, you will need to at least partially disassemble each VXR Vertical Leg Subassembly. Determine where on the VXR Vertical Leg Subassembly the change will be made. You will only need to fully disassemble the leg sections adjacent to where the change is being made. If you are altering a double-sided VXR Vertical Leg Subassembly, the Bolts that hold the leg together can only be accessed from one side, and the other side can be left as is. Find the small "X" stamped onto the bottom of these double-sided legs (see photo 55). The side of the leg that is marked with the "X" is the side whose Bolt Plates will need to be removed so that you can access the fasteners necessary to extend or shorten the leg length.

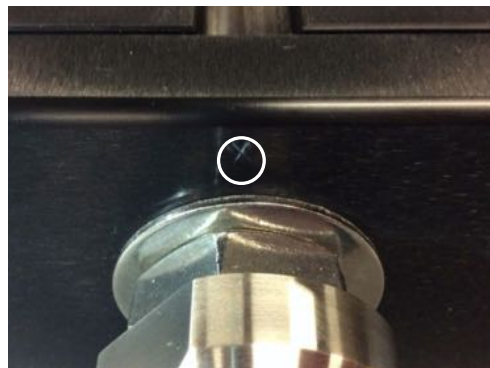


Photo 55

Begin disassembling the first VXR Vertical Leg Subassembly by using the provided $\frac{1}{8}$ " T-wrench to remove the #10-24 $\times\frac{3}{4}$ " screws from a modular Bolt Plate section at the location you are changing (see photo 56). Also use the $\frac{1}{8}$ " T-wrench to loosen (but not remove) the #10-24 $\times\frac{3}{4}$ " screws in the other Bolt Plate sections.



Photo 56

Once all the #10-24 $\times\frac{3}{4}$ " fasteners have been removed from one section of the modular Bolt Plate, remove that section of the Bolt Plate and set it aside on your prepared work area. If you have difficulty lifting the Bolt Plate section out of the VXR Vertical Leg Subassembly, thread $\frac{1}{4}$ "-20 $\times\frac{3}{4}$ " screws into the Bolt Plate threads and use them as handles to lift the Bolt Plate out (see photo 57).



Photo 57

With the first modular Bolt Plate section removed, the other(s) will be easy to lift out. Use the $\frac{1}{8}$ " T-wrench to remove the #10-24 $\times\frac{3}{4}$ " fasteners from the two Bolt Plate sections adjacent to the one you just removed. When all the screws in a section have been removed, lift it out and set it aside in your prepared work area.

The leg sections now must be separated at the location you are changing. Use the $\frac{1}{8}$ " T-wrench to remove the now-exposed $\frac{1}{4}$ "-20 $\times\frac{3}{4}$ " socket head screws that hold the leg sections together (see photo 58). When all four screws at one joint have been removed, carefully lift one end of the VXR Vertical Leg Subassembly and separate the two parts. Support both parts of the leg so they do not drop suddenly or slide across the work surface (see photo 59). Use this method to separate each VXR Vertical Leg Subassembly and set aside any leg sections that you are removing from the VXR.



Photo 58

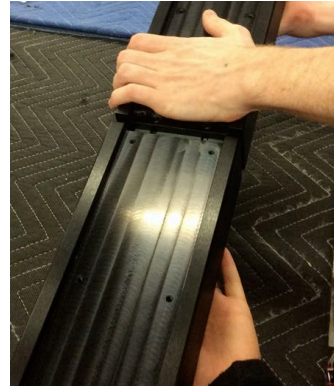


Photo 59

It is now time to begin reconstructing the VXR Vertical Leg Subassembly. Have someone stand the assembly up on its foot and hold it steady and upright. If you are adding a modular section, carefully slide it onto the existing assembly while it is being supported. If you were removing a section, slide the remaining part of the VXR Vertical Leg Subassembly on in the same way. The compression provided by assembling the leg upright (photo 60) is critical to the function of the audio stand system. Run your fingers down all four sides of the VXR Vertical Leg Subassembly at the seam where the two sections now meet to make sure that the two sections are flush to each other.

With the leg sections in place and flush to each other, use the $\frac{1}{8}$ " T-wrench to fasten them together with the $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " socket head screws (see photo 60). Torque these screws until you can rotate the handle of the T-wrench $\frac{1}{8}$ of a rotation without further turning the screw. It is important to do this now, because these fasteners will be inaccessible once the Bolt Plates are reattached to the VXR Vertical Leg Subassembly. Make sure to keep the VXR Vertical Leg Subassembly upright to provide the necessary compression and to keep the two sections flush to each other. Once the leg is reassembled, carefully lay it back down in your work area so the Bolt Plates can be reattached.



Photo 60

Place all the necessary modular Bolt Plate sections in the leg channels. Make sure the seams between the Bolt Plates line up with the seams between the leg sections. Loosen all of the #10-24×³/₄" screws in each Bolt Plate section by one full turn. Leave them engaged enough to remain seated in the countersinks but make sure they are not torqued. Install the #10-24×³/₄" fasteners at each remaining location using the ¹/₈" T-wrench. Thread the screws so they are seated in the countersinks of the Bolt Plates, but do not torque them tightly yet. You should still be able to easily shift the Bolt Plates by hand. Proper use of the provided shims and VXR Modular Bolt Plate Assembly Jigs as described in this manual is necessary to ensure the Bolt Plates in your VXR are aligned to fit a VXR Horizontal Crossmember Subassembly at every location.

To ensure the Bolt Plates are straight and centered, use the metal shims to center each Bolt Plate section in the channel before you torque them to the leg. The first step is to see if the .010" shim or the .015" shims are best starting point. Begin by placing a .015" metal shim at all 5 locations shown in photo 61. Do not force shims into the gap, the shim thickness will be adjusted for a snug fit later on. If .015" shims will not fit at all 5 locations then use .010" shims at all 5 locations instead. Place all four shims as near to the seam as possible without straddling it (see photo 61).

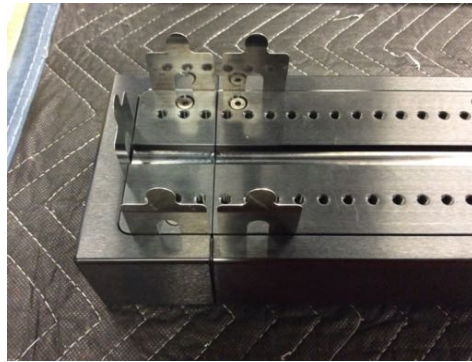


Photo 61

With the thick shims (.015" or .010") in place, determine by trial and error which thin shim (.001"-.004") produces the snugest fit at each of the 5 locations without needing to be forced into the gap. Always add shims equally to both sides of the Bolt Plate to ensure it remains centered. The total thickness of shims required may vary along the length of the VXR Vertical Leg Subassembly, but it must be equal at locations across from each other (see photo 62). Repeat this shim placement method at the next seam down to completely align the first two Bolt Plate sections.

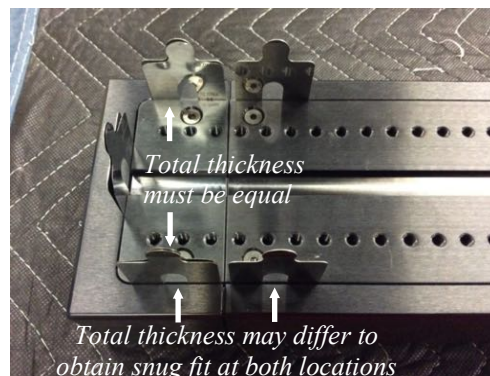


Photo 62

Rest the Bolt Plate Assembly Jigs in the keyway channel at both seams and secure them by threading the accompanying $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws through the four holes in each jig and into the modular Bolt Plate sections until they are finger tight (see photo 63). When the assembly jigs are located correctly, they will straddle the seams between the Bolt Plate sections and still allow access to all of the screws that secure the Bolt Plate in the leg.



Photo 63

The first two Bolt Plate sections are now properly aligned and can be tightened in place. The Bolt Plate screws should be torqued following the numbered sequence (1 to 8) shown in photo 64. Use the $\frac{1}{8}$ " T-wrench to torque the #10-24 \times $\frac{3}{4}$ " screws until you can rotate the handle of the T-wrench $\frac{1}{8}$ of a full rotation without turning the screws any further. The Bolt Plate Assembly Jigs must remain in place the entire time you are torquing the Bolt Plate down. Never tighten down any Bolt Plate section that does not have assembly jigs and shims holding it in alignment at both ends.

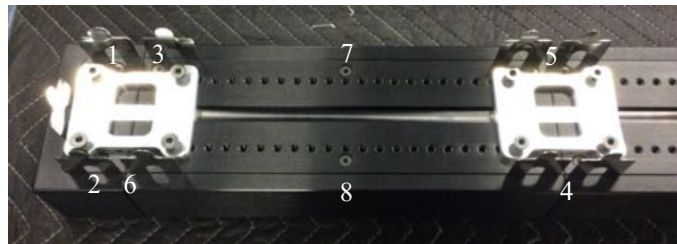


Photo 64

You will now center and secure the next Bolt Plate down in the Vertical Leg Subassembly. Remove only the shims and one jig that are located at the very top Bolt Plate location. These shims and one jig will be used at the next available seam down the leg (see photo 65). Use the shims to center the next Bolt Plate as before. Start with .015" or .010" shims on both sides of the Bolt Plate and add .001" - .004" shims at both locations until the fit is snug and a greater total thickness of shims cannot be inserted without forcing them. Remember that the total thickness of the shims required may vary along the length of the Vertical Leg Subassembly, but it must be equal at locations across the Bolt Plate from each other. After the shims are in place, install the jig and the four $\frac{1}{4}$ "-20 \times $\frac{3}{4}$ " screws to be finger tight (see photo 65).

This jig and set of shims should not have been moved.



This jig and set of shims should have moved from the first location to the next available seam.

Photo 65

Use the $\frac{1}{8}$ " T-wrench to tighten down the #10-24 $\times\frac{3}{4}$ " screws in the newly aligned section until you can turn the handle of the T-wrench $\frac{1}{8}$ of a rotation without further rotating the screw. Repeat the entire shim/jig process for each Bolt Plate section, moving only one assembly jig at each step so that every Bolt Plate section has a jig and shims aligning it at both ends while you tighten it down. Once one of the legs is complete, duplicate this process for each leg until they are all complete.

You are now ready to mate the remaining legs of the rebuilt VXR Audio Stand. Please continue by following the instructions in this manual beginning at "Attaching the VXR Horizontal Crossmember Subassemblies" on page 5 of this manual.

VXR Cable Organizer Accessory - The cable organizer system is available for the VXR Audio Stand as an accessory. It bolts into the back of the VXR Audio Stand using the remaining threaded holes in the VXR Vertical Leg Subassemblies that are not being used to support the VXR Horizontal Crossmember Subassemblies. There is a separate manual for installation of this VXR accessory and it is shipped with the hardware for the VXR Cable Organizer. Please follow those instructions to ensure proper installation when using the accessory.

Care and Maintenance

The VXR 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 VXR Audio Stand using a professional quality ultra-soft lint-free microfiber cloth available in high quality automotive stores. Use a damp cloth if you need to clean dirt from the audio stand. Do not use commercial furniture polishes on the VXR.

Please follow the care instructions in the HRS Isolation Base manual to clean and care for the shelves (HRS Isolation Bases) of the VXR 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 audio stand or HRS Isolation Bases in water or cleaning solutions. The VXR Audio Stand and HRS Isolation Bases are made from many different parts and materials. Submerging, spraying, or soaking the audio stand or HRS Isolation Base may cause permanent damage to the assembly.

Clean the metallic parts of the HRS Isolation Base and VXR 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 VXR 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 VXR Audio Stand and HRS 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!

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.

Be very careful not to cross-thread the fasteners when moving Isolation Base Mounts.

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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