



***M3 ISOLATION BASE***

***Discover Your System's Capability***

## ***Introduction***

*Thank you for purchasing the Harmonic Resolution Systems M3 Isolation Base. When used properly, it will give you many years of superior musical or video signal reproduction.*

*The M3 Isolation Base significantly reduces the negative impact of structure borne vibration on your audio or video component performance. Many years of engineering experience, custom material development, and listening tests are incorporated into the design of the M3 Isolation Base. The performance of the M3 Isolation Base will enable your audio/video source and amplification components to achieve peak performance.*

*The M3 Isolation Base is a perfect match for HRS Damping Plates and Nimbus products. While the M3 Isolation Base works to significantly reduce structural-borne vibration, the HRS Damping Plates and Nimbus products significantly reduces the harmful effects of air-borne vibration and structural resonance on your components.*

*Please read this manual completely prior to use of your M3 Isolation Base for set up and product care instructions. Proper care of you M3 Isolation Base will ensure optimum performance and an aesthetically pleasing appearance.*

## ***Safety Instructions***

### ***IMPORTANT WARNINGS!***

*Do not place any tall objects on the isolation base. A tall objects 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 isolation base for any reason. The object may become unstable and tip over causing damage to the component, adjacent objects, or injury to people.*

*Lifting or moving the isolation base should always be done by means of the outer rectangular frame. Do not lift the isolation base by the inner plate 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 use to support your component). The inner plate is bonded to the outer frame. Following these handling instruction will prevent damage to the unit and will ensure the inner plate does not accidentally come out of the outer frame when moving the isolation base.*

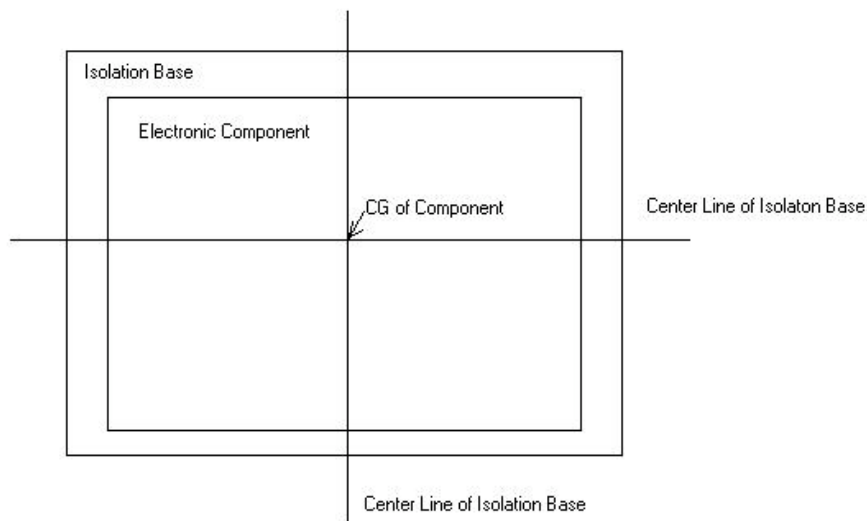
## ***Set-Up Instructions***

*Placing components with sharp or pointed feet directly on the isolation base may cause nicks, scratches or gouges in the surface. Use a protective barrier between sharp objects and the base surface if you desire. The M3 Isolation Base is very effective at reducing vibration and does not require the use of cones and other sharp objects. Cones can be used with the isolation base and do not degrade the isolation base performance. Protection from sharp objects as described above is recommended to prevent scratches and maintain the original beauty of the isolation base.*

*M3 Isolation Bases are produced for various load ranges to optimize performance. Please verify that the component that will be placed on the isolation base is within the rated load. You can determine the load range of your isolation base by the color code in the isolation base part number. The isolation base part number is located on the product identification tag fixed to the bottom of the isolation base. See the specification section of this manual to determine the rated load range of your isolation base. If the M3 Isolation Base is overloaded the custom HRS isolators will bottom and significantly reduce the product performance. You can check to see if the isolation base is overloaded by checking for compliance between the isolation base frame and the four small feet. With the component loaded on the isolation base, check each corner individually by pressing on each corner. The isolation base should be compliant at each location and not rigid. If there is any displacement prior to bottoming then the isolation base is working fine. If there is no compliance at all then the load range should be changed by HRS to the proper range. HRS can modify the M3 Isolation Base load range as many times as needed for a fraction of the original purchase price. Overloading the isolation base for an extended period of time may reduce its service life and voids the warranty.*

*A majority of source components have a center of gravity that is approximately near the geometric center of the component. However, some amplifiers and source components can have significant variation in weight distribution that is dependent on the design layout of the heavier objects within the component.*

*The ideal isolation base setup is to have the center of gravity of the component in the geometric center of the isolation base. This will result in even loading of the isolation feet. This can be achieved by estimating the center of gravity of your component and placing it in the geometric center of the isolation base. Even loading of the isolation feet can also be achieved by moving the component until the isolation base is level.*



Top View  
Component and Isolation Base

*If you have a component that does not allow you to locate the center of gravity near the geometric center of the isolation base, you can utilize a custom combination of isolation feet to accommodate a significant variation in isolator loading. Please consult with your authorized HRS Retailer or HRS directly if you have questions regarding proper loading of your M3 Isolation Base.*

## ***Specifications***

*The following specifications are based on your M3 Isolation Base part number.  
The part number is composed of the following information sequence.*

*Series - Model Number - Load Range*

### ***M3 Isolation Base Physical Characteristics***

<i>Model Number</i>	<i>Dimensions inch (cm)</i>	<i>Weight lbs. (Kg)</i>
<i>2123</i>	<i>21 x 23 x 3 ( 53.3 x 58.4 x 7.6 )</i>	<i>62 (28.1)</i>
<i>1921</i>	<i>19 x 21 x 3 ( 48.3 x 53.3 x 7.6 )</i>	<i>52 (23.5)</i>
<i>1719</i>	<i>17 x 19 x 3 ( 43.2 x 48.3 x 7.6 )</i>	<i>43 (19.5)</i>
<i>1419</i>	<i>14 x 19 x 3 ( 35.6 x 43.2 x 7.6 )</i>	<i>37 (16.8)</i>

### ***M3 Isolation Base Load Range***

<i>Load Range</i>	<i>Supported Equipment Load Range lbs. (Kg)</i>
<i>RD - (Red mark on bottom of isolator)</i>	<i>5 – 25 (2.3 – 11.4)</i>
<i>GRN - (Green mark on bottom of isolator)</i>	<i>25 – 55 (13.6 – 25.0)</i>
<i>BL - (Blue mark on bottom of isolator)</i>	<i>55 – 110 (27.2 – 50.0)</i>
<i>Custom Order</i>	<i>Up to 400+ lbs (181.8)</i>

***Note: Special load ranges and isolation base sizes are available by custom order***

## ***Care and Maintenance***

*The M3 Isolation Base is a very low maintenance item that will provide many years of trouble free performance by applying these basic care instructions.*

*The top of the M3 Isolation Base contains a natural granite surface. Clean the granite surface using a lint-free soft (non-abrasive) cloth. Use a damp cloth with mild soap if required. Do not use abrasive cleaners on any part of the isolation base. To keep the granite surface in excellent condition HRS recommends Stone Tech Professional Revitalizer ® as instructed on the container. Contact your local granite supply facility or HRS to purchase this or equivalent care product.*

*Do not spray, soak, or submerge the isolation base in water or cleaning solutions. The isolation base is an assembly of many different parts and materials. Submerging the isolation base may cause damage to the assembly.*

*Clean the metallic parts of the isolation base, feet and frame, using a lint-free soft (non-abrasive) cloth. Use a damp cloth with mild soap if required. Do not use abrasive cleaners or solvents to clean the isolation base. Abrasive cleaners or cloths of any type may damage the finish of your isolation base. Solvents can attack and damage some of the materials in the isolation base and should never be used.*

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

### ***Warnings!***

*Do not place objects with sharp or pointed feet directly on the 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 the base or isolation feet 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.*

# **Warranty**

## *Limited Five Year Warranty*

*Harmonic Resolution Systems warrants to the purchaser that each HRS Isolation Base is free of manufacturing defects for a period of five (5) years from the date of purchase. This warranty is subject to the following conditions and limitations.*

- 1. A copy of the original purchase receipt from a certified Harmonic Resolution Systems authorized retailer is used to verify the date of original purchase and ownership.*
- 2. This warranty is void and inapplicable if the product has been handled other than in accordance with the instruction specified within this document, abuse 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.*
- 3. Warranty does not cover normal recommended care and maintenance.*
- 4. Harmonic Resolution Systems 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.*

*During this period, Harmonic Resolution Systems will repair or replace any defective components free of charge. A Return Authorization Number (RA Number) 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 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 prepaid by the customer.*

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

**HARMONIC RESOLUTION SYSTEMS INC.**  
**2495 Main Street, Suite 355**  
**Buffalo, NY 14214**  
**Telephone: 716-873-1437**  
**Web: [www.avisolation.com](http://www.avisolation.com)**  
**E-mail: [info@avisolation.com](mailto:info@avisolation.com)**