HARMONIC RESOLUTION SYSTEMS

HELIX

Introduction

Thank you for purchasing the patented Harmonic Resolution Systems Helix (US Patent No. 10,187,712). When used properly, they will give you many years of superior musical or video signal reproduction. The HRS Helix is designed to significantly reduce the negative impact of air and structure-borne vibration on your audio or video component performance. The Helix is specifically designed for use with components that have stiffer (plate and billet) metal chassis construction, and yielding targeted performance improvements when used in conjunction with the HRS Isolation Bases. The HRS Helix was designed specifically for use with HRS Isolation Bases. Using the HRS Helix in conjunction with another shelf that does not have the same capabilities as the HRS Isolation Bases can limit the performance benefits achieved by the Helix. The Helix can also be used in combination with HRS Damping Plates. While the Helix significantly reduces bottom chassis noise, the Damping Plates will work to reduce top chassis noise in the component.

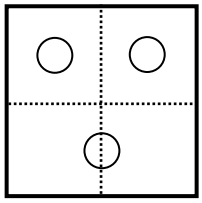
Safety Instructions IMPORTANT!

Do not place the Helix over ventilation holes of any electronic component. Doing so will block airflow and may increase the internal operating temperature, which can degrade performance and cause damage to the component.

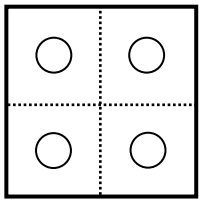
Setup Instructions

Before setting up your HRS Helix, remove the adhesive strip on each asembly that holds the adjustable screw in place. This will allow height adjustment to achieve equal pressure against the component between all Helix units. The HRS Helix should then be placed directly on the HRS Isolation Base supporting your component. The HRS Helix is designed so that sets of either three or four units arranged as shown in the diagrams below will provide exceptional performance on any standard size component. The dotted lines in the diagrams represent the centerlines of the component. If a component's base is over 350 square inches in area, adding a fifth Helix can significantly improve performance.

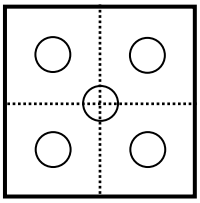
Set the bottom chassis of the component in direct contact with the rubber couplers on top of the HRS Helix. The adjustable screw insert of the Helix should be in direct contact with the HRS Isolation Base surface. Proper setup and contact with the chassis will control bottom panel resonance and transfer energy from the chassis into the Helix energy dissipation system. Refer to the diagrams below for recommended initial Helix locations. Move each Helix in small increments and perform listening tests after each adjusment to find the optimal setup for your components. If there is a drive, motor, or other noise source inside the unit, moving the closest Helix directly under the noise source will often improve performance.



3 Helix

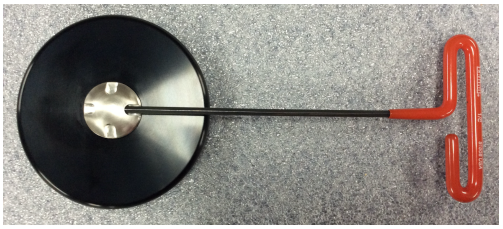


4 Helix

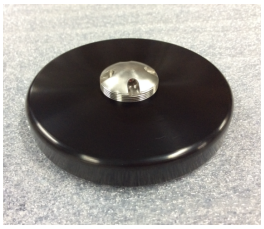


5 Helix

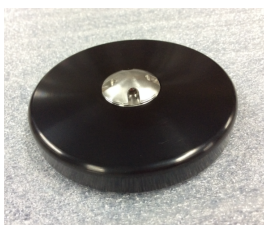
When setting up your Helix, HRS recommends beginning with the height of all Helix units as they were shipped from HRS ($5^1/_2$ rotations of thread engagement) and placing the component so it rests on all of them. Push against the outside diameter of each Helix and observe the resistance to movement relative to the chassis. If the resistance to motion differs between each Helix, alter the height of one unit at a time to achieve equal pressure at all locations. To adjust the Helix, insert the $^1/_8$" T-wrench provided by HRS into one of the four catch holes on the adjustable center element. The Helix is designed for height adjustment of $2^1/_2$ full rotations up or down from the starting point of $5^1/_2$ rotations of thread engagement. Always keep at least three threads engaged (stay three full rotations away from removing the screw). The photos below show units upside-down to best illustrate the full range of adjustment.



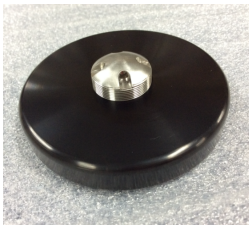
$^1/_8$" T-wrench inserted into the adjustable screw



Default height



Minimum height



Maximum height

Care and Maintenance

The HRS Helix is a very low maintenance item that will provide many years of trouble free performance by applying these basic care instructions. Clean the HRS Helix using a lint-free, non-abrasive cloth. Use a damp cloth with water or mild soap if required. Do not spray with or immerse in water.

Warnings!

Do not place objects with sharp or pointed feet directly on the HRS Helix as they may cause nicks, scratches or tear the custom HRS materials used in the Helix.
Do not use an abrasive cleaner or an abrasive sponge to clean the HRS Helix, as they may scratch the metallic surface.
Do not wash with any solvent based cleaning solutions.
Never fully remove the threaded insert from Helix.
Never remove the thread tape from the threaded insert of the Helix.

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 then 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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