

HARMONIC RESOLUTION SYSTEMS

HELIX

Introduction

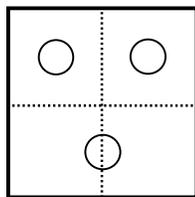
Thank you for purchasing the Harmonic Resolution Systems Helix. When used properly, they will give you many years of superior musical or video signal reproduction. The HRS Helix is designed to significantly reduce the negative impact of air and structure-borne vibration on your audio or video component performance. The Helix is specifically designed for use with components that have stiffer (plate and billet) metal chassis construction and yields 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!**

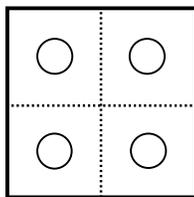
Do not place the Helix over ventilation holes of any electronic component. The ventilation holes will be blocked and the internal operating temperature of the component may be increased.

Setup Instructions

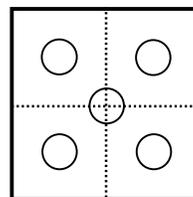
Before setting up your HRS Helix, remove the adhesive strip holding the adjustable screw in place on each assembly. This will allow height adjustment to achieve equal pressure against the component between all Helix units. Then, the HRS Helix should be placed directly on the HRS Isolation Base supporting your component. The HRS Helix is designed so that sets of three or four units arranged as shown in the diagrams below will provide exceptional performance on any standard size 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, then move each Helix in small increments and perform listening tests 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 set as they were shipped from HRS ($5\frac{1}{2}$ 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, alter the height of one unit at a time to achieve equal pressure at all locations. To adjust the Helix, insert the $\frac{1}{8}$ " 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 $2\frac{1}{2}$ full rotations up or down from the starting point of $5\frac{1}{2}$ 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.



$\frac{1}{8}$ " 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 soft (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 abrasive sponge to clean the HRS Helix, as they may scratch the metallic surface.

Do not wash with any solvent based cleaning solutions.

Warranty

Limited Five-Year Warranty

Harmonic Resolution Systems warrants to the purchaser that each HRS Helix 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.

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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