



Installation and Leveling Instructions

Applicable to all CH Precision components

(Hardened Aluminum: standard 1-Series / Titanium: standard 10-Series, optional 1-Series)

Preparation

Select an appropriate supporting surface. Ensure that it is level and rigid. If the component will not reside on the top shelf of a rack, make sure there is adequate clearance above to access the spike adjustment screws and to replace the top caps.

The supporting surface should ideally provide effective mechanical damping. Composite materials, high-quality plywood, or laminated bamboo shelves offer excellent performance. Avoid glass or hard materials such as marble or granite, which tend to reflect rather than absorb energy. If such surfaces are unavoidable, place a laminated bamboo board or the supplied polymer protection glides between the spikes and the shelf.

Spike Installation

1. For 10-Series components, remove the top caps using the supplied suction cup. For 1-Series products, the caps are threaded. Carefully remove the caps by rotating them counter-clockwise.

2. Insert each spike carefully, turning until it fully engages the internal thread at the bottom of the shaft.
3. Position the unit on the chosen surface and use the supplied screwdriver to lower each spike until it just contacts the shelf—you will feel resistance when it bites. Then rotate each spike one full turn to raise the unit slightly and clear the shelf.

Leveling

1. Use a precision level—digital or bubble—to ensure the component is perfectly horizontal.
2. Verify equal loading across all four spikes. Turn each one slightly by hand; resistance should feel identical. Small adjustments can make an audible difference in performance.
3. Re-install the top caps securely using the suction cup once leveling is complete.

Shelf Protection and Footers

If your rack or shelf has a delicate finish, protective footers (provided) can be placed between the spikes and the surface to prevent damage. If you'd like to explore aftermarket footers, discuss suitable options with your CH Precision dealer, and experiment to achieve the desired result.

Final Notes

This procedure applies to all CH Precision components, regardless of model or series. The same attention to support, leveling, and coupling should be exercised when installing a new unit or upgrading an existing one with the hardened-aluminum or titanium spike assemblies. Proper setup ensures optimal mechanical grounding and preserves the full performance potential of your CH Precision system.