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SPEC ID       : QLA-BP-000000001808                                RESONANCE     : 9.4 / 10.0 CR
ATTRIBUTED TO : Eric Pitra                                         CALIBRATED    : 2026-11-07
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001808
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Haptic Resonator Interface

[THE MECHANICS:]

The Haptic Resonator Interface is a modular, high-mass tactile surface array designed to integrate directly with the Stereo Field and Noon signal paths. Each unit utilizes a piezoelectric-ceramic transducer bonded to a CNC-machined, brushed-aluminum surface plate suspended by variable-tension silicone gaskets. When the user manipulates the plate, the physical displacement generates high-fidelity control voltage (CV) via an integrated ultra-low-latency analog-to-CV converter, while simultaneously acting as a contact microphone for acoustic resonance. This dual-purpose architecture allows the performer to inject physical micro-vibrations -- such as fingernail taps or surface friction -- directly into the modulation bus of the Noon drum synth or the audio path of the Stereo Field.

The architecture employs an internal passive gain-staging circuit that requires no external power, drawing phantom voltage from the host instrument's CV inputs. The physical interface is housed in a bespoke, reclaimed-steel chassis that provides a grounded tactile anchor for live performance. Signal throughput is managed via a dedicated 3.5mm TRS breakout port, allowing the plate to function as either an expressive modulation controller or a source-material capture device for tape-based FM manipulation.

[UTILITARIAN VALUE:]

This product effectively bridges the gap between passive acoustic performance and active electronic synthesis, creating a high-margin hardware accessory that forces deeper integration with existing Landscape units. By positioning the interface as an essential sonic "input" rather than a mere controller, the brand increases the lifetime value of the customer's existing rack and creates an immediate secondary market for tactile-specific sound design expansions.

[TARGET ECOSYSTEM:]

Experimental analog modular performers and tactile sound-art practitioners requiring organic, non-quantized control surfaces for live electro-acoustic improvisation.

INTERACTIVE 3D TERMINAL & SOVEREIGN CRAFT ECOSYSTEM LINKS

1. Inspect Live 3D Simulation, Crash-Test BOM & 1-Click Claim/Delist:
   https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000001808
2. Commission Verified Modular Sound & 3D Artisans (USD Bounties on Roily):
   https://roily-app.vercel.app/?tab=feed
3. Source Direct B2B Manufacturing & Code Execution (0% Tax on DealOff):
   https://deal-off.vercel.app/?from=qualia&title=Haptic%20Resonator%20Interface&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com