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SPEC ID       : QLA-BP-000000003501                                  RESONANCE     : 9.8 / 10.0 CR
ATTRIBUTED TO : Girts Ozolins & Erica Synths Engineering Guild          CALIBRATED    : 2026-11-10
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000003501
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Fusion Resonator Tube-Matrix // Subminiature Dual-Triode Feedback & Acoustic Cavity Exciter

[THE MECHANICS:]

An uncompromised 16HP Eurorack analog sound-sculpting engine and standalone desktop box combining dual miniature subminiature vacuum tubes (wired as triodes in true high-voltage 45V plate starvation mode) coupled with an analog 4-stage active resonant diode-ladder core and a physical acoustic transducer bridge. Unlike clean DSP reverbs or sterile digital wavefolders, the module channels incoming modular signals directly through twin vacuum tubes operating at the exact edge of cathode current saturation. An internal optical vactrol feedback loop feeds the distorted tube anode output back into a tuned resonant bandpass network with voltage-controlled damping and variable tube sag. Includes a high-current piezo exciter output to physically vibrate metal instrument chassis or speaker cabinets, transforming the physical casing into an organic acoustic resonance body.

[UTILITARIAN VALUE:]

Warm, terrifying analog tube overdrive, self-oscillating harmonic overtone generation, and organic physical body excitation that transforms cold sterile digital synthesizers into living, breathing, high-voltage acoustic entities with zero digital quantization noise.

[TARGET ECOSYSTEM:]

Erica Synths Eurorack ecosystem (Fusion Series, Techno System, Perkons HD-01, Bassline DB-01, Bullfrog), modular live performers, industrial techno sound designers, and hardware avant-garde composers.

Roily USD Craft Bounties:
Commission or challenge independent sound designers for verified USD bounties at https://roily-app.vercel.app

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/b0000000-0000-0000-0000-000000003501
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=Fusion%20Resonator%20Tube-Matrix%20%2F%2F%20Subminiature%20Dual-Triode%
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com