```
SPEC ID       : QLA-BP-000000002407                                RESONANCE     : 9.5 / 10.0 CR
ATTRIBUTED TO : Cabel Sasser, Greg Maletic & Physical Console Guild      CALIBRATED    : 2026-11-08
NODE ENDPOINT : https://qualia-teal.vercel.app/idea/b0000000-0000-0000-0000-000000002407
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Haptic Dynamo Hand-Crank Cartridge

[THE MECHANICS:]

An expansion cartridge for the Playdate console featuring a miniaturized neodymium rotary magnetic brake and bi-directional micro-dynamo coupled to the analog crank spindle. As players rotate the crank, software modulates magnetic eddy current resistance in real time, delivering authentic physical friction, detents, spring tension, or sudden torque releases directly to the player's fingertips.

The integrated dynamo converts excess rotational kinetic energy into supplemental trickle charging for the console's internal lithium cell, enabling extended gameplay sessions without external battery banks.

[UTILITARIAN VALUE:]

Delivers true programmable physical force feedback to mobile handheld gaming without requiring power-hungry haptic vibration motors.

[TARGET ECOSYSTEM:]

Boutique indie handheld developers, tactile puzzle creators, interactive fiction studios, physical game collectors.

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/b0000000-0000-0000-0000-000000002407
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%20Dynamo%20Hand-Crank%20Cartridge&bounty=250
4. Hardware Unit-Economics Essays & Original Books by C.J. Night:
   https://cjnight.substack.com