

CHYPER ENGINE — Press Kit

One-liner

Chyper Engine is a browser-based cipher playground that encodes/decodes text, adds chaos layers, generates QR codes, and turns your message into a sonic echo—all locally in your browser. No tracking. No uploads.

Elevator pitch

Chyper Engine is a compact, neon terminal web app built in the Iron Signal Works lab. Drop in any text, pick a Cypher Style (ROT13, Reverse, Base64, Hex, Zalgo, Morse, Atbash, QR Code) and optionally add a Chaos Layer (ASCII, Binary, Corrupted QR). Decode the other way around with Decoder Mode, export QR and ASCII images, copy/share stateful links (with UTM), and even play your message back as a note sequence—the app maps characters to pitch for a playful signal → sound translation. Everything runs locally in the browser.

Core features

- Encode & decode: ROT13, Reverse, Base64, Hex, Zalgo, Morse, Atbash, QR Code.
- Chaos layers: ASCII Artifact, Binary Scream, Corrupted QR.
- **Sonic Echo**: convert text to a sequence of musical notes and play it.
- Exports: **TXT**, **ASCII PNG**, **QR PNG**, note sequence as **.txt**.
- **Share**: copies a URL that reloads your exact state (with UTM for analytics).
- **Branding baked in**: optional ISW signature on exports (traffic back to site).
- **Privacy by design**: local-only processing; no tracking, no uploads.
- Accessibility: labeled controls, reduced motion support, high-contrast stealth mode.

Who it's for

Artists, designers, developers, ARG/alt reality makers, puzzle communities, educators, social creators, and anyone who wants to obfuscate, stylize, or perform text in a shareable, audiovisual way.

Tech notes

- Built with vanilla JS + Web APIs (Canvas, Clipboard, Web Audio via Tone.js).
- QR via `qrcode-generator`. Audio scheduling via Tone.Transport.
- Designed for current Chromium browsers; recent Safari/Firefox supported.
- Exports include a small footer signature and can be disabled in code.
- Share links persist **input**, **mode**, and **chaos** as URL params.

Visual identity

- Primary color: Neon ISW Green — `#aaff00`
- Background: Deep Black/Graphite — `#0b0b0b` to `#121212` gradients
- Typeface: System monospace (SFMono / Consolas / Menlo / Courier New)
- UI motifs: terminal-like panel, dashed output frame, subtle CRT vibe

Suggested assets

- App hero screenshot (panel with Cypher/Chaos/Output).
- QR export example (clean + corrupted).
- ASCII export example (with signature).
- Short clip of “Sonic Echo” note playback.
- ISW logo on dark background (PNG/SVG).

Boilerplate (Iron Signal Works)

Iron Signal Works builds playful web tools, experimental interfaces, and audio systems with a glitch/brutalist edge—contractor ready with clean code under the hood.

Attribution & usage

- Please credit: “Chyper Engine — Iron Signal Works (ironsignalworks.com)” when embedding screenshots or exports.
- Press may use provided assets and screenshots for coverage.

Contact & links

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