

CHYPER ENGINE — Press Kit

Press Kit

CHYPER ENGINE — Iron Signal Works

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 → #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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