

Junk-Phonic 9000 — Technical Specifications (Totally Serious™ Edition)

Acoustic Performance

- **Maximum Music Power Output (PMPO):**
- **9,000 W PMPO** (Peak Marketing Power Output)
- *Measured using the internationally-recognized method of “adding numbers until they look impressive.”*
- **RMS Power:**
- **0.8 W RMS** (shared between both channels, if the browser feels like it)
- **Total Harmonic Distortion (THD):**
- **10% THD @ any volume**
- *Guaranteed distortion — not a bug, a feature.*
- **Wow & Flutter:**
- **±3.2%**
- *Authentic tape-deck wobble generated by layered sine waves and existential dread.*
- **Frequency Response:**
- **80 Hz – 8 kHz (±12 dB)**
- *Perfectly recreates the sonic signature of a worn 1982 cassette left in a hot car.*
- **Bass Enhancement:**
- **Crap Bass Boost™**
- *A proprietary “boost” that removes bass entirely, for improved telephone-band clarity.*

Speaker System

- **Woofers Diameter:**
- **Whatever size the photo had originally**
- **Cone Excursion:**
- **Up to 300% exaggerated visual displacement**
- *Based on actual waveform, not just “louder = bigger.”*

- **Dynamic Brightness Modulation:**
- *Woofers brighten proportionally to how much the track slaps.*

Tape Deck Simulation

- **Transport Type:**
- *Single-direction HTML5 audio element with optional Reverse Mode™ (sample-reversed buffer)*
- **Pitch Drift:**
- *Real-time playbackRate wobble using multi-layer sine modulation (wow + flutter + jitter)*
- **Auto-Reverse:**
- *Implemented by flipping the entire buffer backwards like a pancake.*
- **PreservesPitch:**
- **Disabled**
- *Because realism matters.*

Radio Tuner

- **Internet Radio Support:**
- *Any stream your browser can decode without crying.*
- **VU Meter Response:**
- *Actual analyser node level — not faked, not animated, not safe.*
- **Needle Sweep Speed:**
- **Fast enough to look cool, slow enough to feel analog.**

User Interface

- **Construction:**
- *One (1) photograph sliced into HTML elements using Python/PIL and questionable life choices.*
- **Control Alignment:**
- *Pixel-accurate bounding boxes converted to percentage coordinates for fluid scaling.*
- **Logo Rendering:**

- *Original brand inpainted out and replaced with new text using artisanal CSS craftsmanship.*

Audio Architecture

- **Dual AudioContexts:**
- *Tape A + Radio, running side-by-side like two caffeinated hamsters.*
- **Signal Chain:**
 - Highpass (80 Hz)
 - Lowpass (8 kHz)
 - Compressor (tape-wear preset)
 - Tone Stage
 - Destination
 - Analyser (for VU meters)
- **Reverse Playback Engine:**
- *decodeAudioData → reverse samples → play through AudioBufferSourceNode → wobble applied*

Electrical Properties

- **Power Requirements:**
- **Whatever your PC uses**
- *If your computer turns on, the Junk-Phonic 9000 turns on. If your computer turns off, it becomes a very quiet boombox.*
- **Energy Consumption:**
- *Approximately 0.0003% of a Chrome tab running YouTube.*
- **Thermal Output:**
- *Browser warms up slightly when you crank the PMPO.*

Compatibility

- **Supported Browsers:**
- *Anything with Web Audio API and a willingness to cooperate.*
- **Supported Audio Formats:**

- *MP3, WAV, OGG, and whatever your browser pretends it supports.*
- **Supported Operating Systems:**
- *All of them, including ones that shouldn't work but mysteriously do.*

Included Accessories

- **Hits 1982 Cassette (Digital):**
- *A mix tape that never existed and never will.*
- **Craptronics Warranty:**
- *Guaranteed to work until you close the tab.*