

ElectroMaster AI — from your mix to the master

A quick guide for electronic music producers. How to work with references, what to look for in the A/B, and how to take the result — or the recipe — into your own tools.

The idea

Mastering against a reference: a real track from the genre you want to sound like, or the sound you describe in words. The app **measures your whole track to standard**, the AI proposes from those measurements, and you judge in A/B against your original with the numbers — LUFS, true peak, dynamic range — always in plain sight, never guesswork.

The flow, in 4 steps

1 • Load your mix. WAV, AIFF, MP3 or FLAC. Your file is never modified: the master is a new output. On load, the app measures the full track — integrated loudness (ITU-R BS.1770-4), ×4 oversampled true peak, LRA (EBU 3342), 1/3-octave spectrum, kick/bass clash, sub mono and more — with a progress bar.

2 • Master with AI. Pick a reference (your own track, a genre preset — from Covenant to Charlotte de Witte, each with its LUFS and DR — or describe it in words), set loudness, character and platform (Spotify, Club PA, Beatport or YouTube: a streaming master and a club-system destroyer are not the same thing), and press. The engine returns three versions: Soft, Medium and Hard.

3 • Listen and compare. The version **recommended for your mix** (from its measured dynamics) comes selected and starred, with the reasoning below. Switch versions while it plays, loop the section that matters, watch each version's waveform with the original faint behind it, and open "Compare" to see all three against the original, measure by measure, with the differences in numbers. **What you hear in the A/B is exactly the WAV you export.**

4 • Save. The Save button names the chosen version. If you fine-tune the chain (by hand or with the Engineer Solution), the app asks you to Re-master before exporting: you never take home a WAV that doesn't carry what you see on screen.

Measurement to standard, not promises

19 real measurements · 7 processors · 6 AI criteria · 4 exports, every module labelled on screen for what it is. Loudness follows ITU-R BS.1770-4 and LRA follows EBU Tech 3342, verified against the official cases (± 0.1 LU): load the same track into your DAW meter and the numbers match. Among the genre measurements: kick/bass clash, sidechain pump, sub mono, lead/pad balance, spectral ceiling, listening fatigue and electronic macrodynamics — each with its number, and all of them in the AI's hands for the diagnosis.

Processing that respects your mix

- **3-band multiband compression** (120 Hz and 3 kHz crossovers) with thresholds auto-calibrated from the measurement and **vocal-range protection**: the kick only compresses its own band, vocals and leads no longer sink when the drop hits.
- **Brickwall true-peak limiter** with lookahead and the output peak verified on every render. If your mix already arrives compressed (low DR), the engine does not squeeze it again: it says so and adjusts the target.
- 6-band EQ, 3-band stereo imager and mid/side control, with the Lissajous vectorscope to watch stereo, correlation and mono compatibility.

It does not lock you in

- **Chain sheet for your DAW:** every setting with numbers — EQ bands, ratio and the multiband's actual per-band reduction, ceiling and measured output peak of the limiter — reproducible in any EQ or compressor you use.
- **PDF report** of the analysis with the measured before/after table, for the client or for your records.
- Album mode and batch processing for whole records and client work, with its own output folder.

Local and bit-perfect

Audio is processed on your computer and played back through bit-perfect WASAPI on Windows. Your music is never uploaded anywhere.

What it does NOT do

- It does not replace your ears. The A/B exists so the last word is yours, not the algorithm's.
- It does not fix a broken mix. If the problem lives in the mix (a kick/bass clash, an excessive sidechain), the measurement will point at it with numbers — but it gets fixed there.

ElectroMaster AI · ElectroMaster Suite — support: support.electromaster_AI@proton.me · electromastersuite.com