

XOY PRE-EQ 1.0

Class-A Preamp & Musical EQ

XOY PRE-EQ is a classic-inspired preamp and equalizer designed for tone shaping *before* compression, saturation, or further processing.

It is not a surgical EQ — it is a **musical front-end** built to add weight, focus, and character at the very start of the signal chain.

The design is inspired by vintage British console topology, reinterpreted through the XOY lens with modern stability, recall, and workflow.

Signal Flow

The processing order is intentional and fixed:

Input Gain → Preamp Non-Linearity → HPF → 3-Band EQ → Output “Iron” Stage → Output Trim
This makes PRE-EQ behave like real hardware: gain staging matters, and tone is shaped progressively rather than corrected afterward.

Preamp & Output Stages

- **Class-A style non-linear input stage**
Adds subtle harmonic density and transient softening when driven.
- **Transformer-inspired output stage (“Iron”)**
Provides gentle saturation and cohesion, even at unity gain.
- No auto make-up gain. What you dial is what you hear.

Both stages are always active, delivering the characteristic XOY analog feel without requiring extra controls.

EQ Section

A simple but musical 3-band EQ designed for fast decisions:

- **Low Shelf**
Selectable frequencies with ± 16 dB gain
- **Mid Bell**
Fixed musical Q, stepped frequencies, ± 18 dB gain
- **High Shelf**
Fixed at 12 kHz with ± 16 dB gain

The curves are broad and forgiving, encouraging tonal shaping rather than problem solving.

High-Pass Filter

A stepped HPF placed *before* the EQ, ideal for controlling low-end buildup before gain and saturation stages.

Clip Indicator

A subtle LED indicator shows post-processing clipping with a smooth, decaying response — inspired by analog hardware behavior rather than digital peak meters.

Workflow & Control

- Fully automatable parameters
- Host-based MIDI mapping support
- Stepped controls where it matters, continuous where it feels right

- Scalable, pixel-stable UI with classic hardware proportions

Designed to Be Used First

XOY PRE-EQ is meant to sit at the top of your chain:

- Before compressors
- Before saturation
- Before creative processing

Set the tone early. Let everything after it work less.

XOY PRE-EQ

Shape the signal before it becomes a problem.

XOY Sound Signature

Like all XOY plugins, the EQ-X includes **XOY Analog Flavour** — a subtle, always-on analog coloration inspired by vintage studio hardware. It adds depth, warmth, and presence, even at low mix settings or with the effect bypassed.

Format & Compatibility

XOY PRE-EQ is available as:

Audio Unit (AU) — Logic Pro, MainStage, etc.

VST3

macOS 12 or newer is recommended.

Windows version is not planned at this time.

Plugin Info

Plugin name in DAW: XOY PRE-EQ

Developer: XOY Production AB

Version: 1.0.0

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Installation (macOS)

Copy the .component file to:

/Users/YourName/Library/Audio/Plug-Ins/Components

Restart Logic or your DAW.

Look for **XOY PRE-EQ** in your plugin list under Effects.

Support

Website: xoyproduction.com

Email: info@xoyproduction.com