PMT LOW CUT — Manual

Precise Highpass Filter

Short Description

PMT Low Cut é um high-pass filter (HPF) com slope 6–24 dB/oct, frequência 20–1000 Hz e Q 0.5–2.0. Suavização por bloco reduz zipper noise.
Um high-pass filter transparente e previsível, focado em precisão técnica e clareza musical.

PMT Low Cut es un high-pass filter con slope 6–24 dB/oct, frecuencia 20–1000 Hz y Q 0.5–2.0. El smoothing por bloque reduce el zipper noise.
Un high-pass filter transparente y predecible, enfocado en precisión técnica y claridad musical.

PMT Low Cut is a high-pass filter (HPF) with selectable slope (6–24 dB/oct), 20–1000 Hz range and Q 0.5–2.0. Per-block smoothing reduces zipper noise.
A transparent and predictable high-pass filter focused on technical precision and musical clarity.

Primary Function

Remove conteúdo de baixa frequência (rumble, DC, sub-bass) antes do processamento adicional. O usuário deve gerenciar o gain staging.

Elimina contenido de baja frecuencia antes del procesamiento posterior. El usuario debe gestionar el gain staging.

Removes unwanted low-frequency content before further processing. User must manage gain staging.

Basic Usage

Inserir em track ou bus. Ajustar Frequency e Slope conforme necessidade. Utilizar Q com moderação. Monitorar nível via host.

Insertar en pista o bus. Ajustar Frequency y Slope según necesidad. Usar Q con moderación. Monitorizar nivel en el host.

Insert on track or bus. Set Frequency and Slope as required. Use Q carefully. Monitor levels using host metering.

Controls

- Frequency (knob): 20–1000 Hz, step 1 Hz, log-like skew, default 60 Hz.
- Slope (knob): 6 / 12 / 18 / 24 dB/oct, default 12 dB/oct.
- Q (knob): 0.5–2.0, default 0.707. Affects biquad stages only.
- Resize: 80%–160% of base size (600×264).

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Key Features & Technical Characteristics

- High-pass implementation uses JUCE makeFirstOrderHighPass (6 dB/oct) and
- make HighPass biquad stages per channel.
- Slope combinations define filter order (6 / 12 / 18 / 24).
- Per-block frequency smoothing reduces zipper noise.
- No oversampling, bypass, auto gain, limiter or clip protection.

Design Philosophy

PMT Low Cut was designed as a transparent and predictable high-pass filter focused on technical precision and musical clarity. The objective is clean low-frequency management without coloration or unnecessary complexity.

System Requirements

macOS 10.13 ou superior (Intel & Apple Silicon)
64-bit host application
AU / VST3 compatible DAW
Windows 10 ou superior
64-bit host application
VST3 compatible DAW

Version

Version 1.0.0
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