PMT GAIN — Manual

Intelligent Gain Staging Utility

Short Description

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PMT GAIN é um utilitário de ganho com faixa manual de ±24 dB, Auto Gain opcional baseado em RMS, inversão de fase por canal (L/R) e VU meters estéreo de saída (RMS + Peak, –36 a 0 dB).

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PMT GAIN es una utilidad de ganancia con rango manual de ±24 dB, Auto Gain opcional basado en RMS, inversión de fase por canal (L/R) y medidores VU estéreo de salida (RMS + Peak, –36 a 0 dB).

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PMT GAIN is a gain utility featuring ±24 dB manual gain, optional RMS-based Auto Gain, per-channel phase inversion (L/R), and stereo output VU meters (RMS + peak, –36 to 0 dB).

Primary Function

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Fornece gain staging, nivelamento aproximado e inversão de polaridade. Auto Gain aproxima o RMS de entrada a um alvo (–14 / –18 / –23 dB). O usuário deve evitar clipping downstream.

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Proporciona gain staging, nivelación aproximada e inversión de polaridad. Auto Gain aproxima el RMS al objetivo (–14 / –18 / –23 dB). El usuario debe evitar clipping posterior.

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Provides gain staging, rough level matching and polarity correction. Auto Gain aligns input RMS toward selectable targets (–14 / –18 / –23 dB). User must prevent downstream clipping.

Basic Usage

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Inserir em track ou bus. Ajustar Gain manualmente ou ativar Auto Gain. Utilizar Phase L/R quando necessário. Monitorar VU meters para evitar clipping.

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Insertar en pista o bus. Ajustar Gain manual o activar Auto Gain. Utilizar Phase L/R si es necesario. Monitorizar VU meters.

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Insert on track or bus. Adjust manual Gain or enable Auto Gain. Use Phase L/R if required. Monitor VU meters to avoid clipping.

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Controls

- Gain: –24 to +24 dB. Disabled when Auto Gain is ON.
- Phase L / Phase R: Per-channel polarity inversion.
- Auto Gain: RMS-based (channel 0, 300 ms), ±12 dB clamp, 50 ms smoothing.
- VU L / VU R: RMS + peak, –36 to 0 dB scale.
- Resize: 80–160% (460×220).

Key Features & Technical Characteristics

- Manual gain via buffer.applyGain.
- Auto Gain RMS detector (300 ms), ±12 dB clamp.
- Stereo-linked processing.
- Oversampling instantiated but unused.
- No limiter or clip protection.

Design Philosophy

PMT GAIN was designed as a transparent and reliable gain staging tool focused on precision, clarity, and predictable behavior. The objective is clean level control without hidden processing.

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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