PMT TENSION X — Manual

One Knob Musical Feel Shaper

Short Description

PMT Tension X é um processador dinâmico morfológico que transita continuamente entre expander, modo neutro e compressor através de um único controle central. Inclui Input/Output Gain, processamento paralelo (Mix) e medição VU com modos IN, GR e OUT.

PMT Tension X es un procesador dinámico morfológico que transita continuamente entre expander, modo neutro y compresor mediante un único control central. Incluye Input/Output Gain, procesamiento paralelo (Mix) y medición VU con modos IN, GR y OUT.

PMT Tension X is a morphing dynamics processor that continuously transitions between expander, neutral, and compressor modes through a single central control. Includes Input/Output Gain, parallel processing (Mix), and VU metering with IN, GR, and OUT modes.

Primary Function

Modelar a sensação dinâmica do áudio — aumentar tensão com compressão ou abrir espaço com expansão — mantendo comportamento musical e contínuo.

Modelar la sensación dinámica del audio — aumentar tensión con compresión o abrir espacio con expansión — manteniendo un comportamiento musical continuo.

Shapes dynamic feel by increasing tension through compression or opening space via expansion while maintaining smooth musical transitions.

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Basic Usage

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Inserir em track ou bus. Ajustar o knob Tension:
valores positivos aplicam compressão progressiva;
valores negativos aplicam expansão suave;
0 mantém processamento neutro.
Utilizar Mix para processamento paralelo.

🇪🇸
Insertar en pista o bus. Ajustar el control Tension:
valores positivos aplican compresión progresiva;
valores negativos aplican expansión;
0 mantiene modo neutro.
Usar Mix para procesamiento paralelo.

🇬🇧
Insert on track or bus. Adjust the Tension knob:
positive values apply progressive compression;
negative values apply expansion;
0 keeps neutral behavior.
Use Mix for parallel processing.

Controls

- Power: Bypass toggle (true bypass of dynamics stage).
- Tension: –1.0 to +1.0 (Expander ↔ Neutral ↔ Compressor)
- Input Gain: –18 to +18 dB.
- Output Gain: –18 to +18 dB.
- Mix: 0.0–1.0 (parallel blend).
- VU Mode: IN / GR / OUT.

Key Features & Technical Characteristics

- Cubic morph mapping for smooth dynamic transition.
  Compressor mode:
  - Ratio up to 10:1
  - Threshold from –6 dB to –24 dB
  - Attack 10 ms → 3 ms
  - Release 120 ms → 50 ms
- Expander mode:
  - Ratio up to 1.6:1
  - Threshold –24 dB → –12 dB
  - Attack 15 ms → 5 ms
  - Release 300 ms → 150 ms
- Parallel processing via Mix control.
  RMS and Peak VU metering.
  Gain Reduction smoothing (GR smoothing factor 0.999).
  Stereo processing.

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Design Philosophy

PMT Tension X was engineered to simplify dynamic shaping into a single expressive control. The goal is continuous, musical morphing between expansion and compression without abrupt parameter switching or artificial behavior.

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 1.0.5
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