

125A SMX-3 V2 2.0.0 - User Manual

125A - Windows x64 / VST3

1. Overview

SMX-3 V2 is a free saturation processor by 125A. The package contains two plug-in variants: SMX-3 V2 Mix FX for the Mix FX slot in Studio One / Fender Studio, and SMX-3 V2 Channel as a conventional VST3 insert for channels and buses.

Both variants use the same V2 saturation engine with Triode, Pentode and Iron hardware-character modes. Drive includes calibrated internal level compensation. Bypass is the only fully neutral state.

2. Installation

Copy both complete .vst3 bundles to C:\Program Files\Common Files\VST3. Restart Studio One / Fender Studio afterwards or rescan plug-ins if required.

3. Which version should I use?

SMX-3 V2 Channel: conventional VST3 insert for instruments, vocals, drums, buses or the master channel.

SMX-3 V2 Mix FX: dedicated version for the Mix FX slot in Studio One / Fender Studio.

4. Controls

Bypass / On-Off: enables or bypasses processing.

Drive: controls saturation intensity. 0% still retains a subtle hardware path; only Bypass is fully neutral.

Character: Triode - softer and rounded; Pentode - more direct and harmonically assertive; Iron - denser and transformer-like.

Mix: dry/wet balance. 100% is fully processed.

Output: final output gain after processing.

5. Automation

Bypass, Drive, Character, Mix and Output can be automated in the DAW. V2 was checked for automated parameter changes and multiple processing block sizes.

6. Gain staging

Drive is internally level-compensated across the three character modes. Use Output for final gain staging or when you deliberately want a different output level.

7. System requirements

Windows x64; VST3-compatible host for SMX-3 V2 Channel; Studio One / Fender Studio for SMX-3 V2 Mix FX.

8. QA status

SMX-3 V2 2.0.0 release candidate passed the Steinberg validator for Channel with 47/47 tests, the Mix FX Audio Mix Processor class scan, V2 state migration/recall checks, and the 44.1/48/96/192 kHz release matrix.

9. Freeware and trademarks

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