INDEPENDENT AUDIO SOFTWARE

LYNCH Broke Tube Limiter

Warm peaks. Softer edges.



Push a recorded part into asymmetric tube-inspired rounding and linked sample-peak control. Amount adds drive, Mix brings back the original and Output attenuates the result. The reduction history shows the peak-control work, not an invented measure of warmth.

Complete colour user guide · version 0.3.0 · Apple Silicon Mac AU · macOS 12+

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Start with the part

Push a recorded part into asymmetric tube-inspired rounding and linked sample-peak control. Amount adds drive, Mix brings back the original and Output attenuates the result. The reduction history shows the peak-control work, not an invented measure of warmth.

01 / Tube-inspired asymmetric rounding with up to 12 dB of drive and stereo-linked soft-knee peak limiting.

02 / Actual wet-stage peak gain reduction in dB, with a four-second history.

03 / Soft, Warm, Thick, Pushed and Crushed are complete recipes for the same algorithm, not five circuit models.

Inside the sound

Amount

Tube-inspired asymmetric rounding with up to 12 dB of drive and stereo-linked soft-knee peak limiting.

Graph

Actual wet-stage peak gain reduction in dB, with a four-second history.

Starting Points

Soft, Warm, Thick, Pushed and Crushed are complete recipes for the same algorithm, not five circuit models.

Amount

Tube-inspired asymmetric rounding with up to 12 dB of drive and stereo-linked soft-knee peak limiting. No automatic makeup or loudness matching. Zero is the gentlest active setting; use Bypass or Mix 0 for dry.

Graph

Actual wet-stage peak gain reduction in dB, with a four-second history. Amount/Input drive also change level and harmonic color; those changes are separate from the graph. Release adapts automatically to the signal, with a short hold. Stereo gain is linked. No added lookahead latency.

Starting Points

Soft, Warm, Thick, Pushed and Crushed are complete recipes for the same algorithm, not five circuit models. Click a button, use the preset menu or arrows. Init selects gentle Amount 0 / Input 0 / Mix 100 / Output 0. Save/User stores .aupreset files or use your host project.

Controls

Drag or scroll. Shift gives fine control. Hover allows click-free movement across the knob. Escape disables Hover. ? shows help reminders; every control has an English tooltip. Guide opens inside the editor; Close/Escape dismisses it. UI Size adjusts the whole editor from 75 to 150%, subject to available screen space. All five sound parameters support host automation. Use Logic Controller Assignments for MIDI control; no internal MIDI Learn.

Sound And Approach

Apple Silicon/macOS 12+. Insert Audio FX > Lynch Audio Lab > Broke Tube Limiter. Original DSP; not a commercial hardware emulation. Musical listening and your actual Logic session remain the final check.

Lynch Broke Tube Limiter

Warm peaks. Soft edges.

Input / Mix / Output

Input trims before the tube stage. Mix blends the original input with the limited wet signal. Output only attenuates the active result. At 100% Mix and Output 0, settled wet sample peaks are limited to -1 dBFS. Parallel dry and bypass may exceed that ceiling. The wet stage is fully engaged immediately after reset. This is not a true-peak mastering limiter.

Install and choose the right host slot

Apple Silicon Mac, macOS 12 or later. Audio Unit only; no Intel Mac, Windows, VST3 or standalone application is included. Use an AU-compatible host and insert on an audio track, instrument audio output or bus.

Save your session before installation. Use the verified current installer and follow its installation prompts, then restart the host if the newly installed AU is not listed. Select the product under Lynch Audio Lab in the appropriate slot.

Trial and permanent licensing

Download the trial installer shown on the product page; the same installer is used for trial and purchase. No card is needed for the trial.

Open the plug-in, click Trial & Activation at the bottom and press Start trial to begin its full 14 days. Installing, opening a preset or downloading a guide does not start a new trial. Each product has its own trial. There is no subscription, automatic charge or periodic noise burst.

For a permanent purchase, use the exact Buy link on the product page. Lemon Squeezy supplies a license key in the receipt. Connect this Mac to the internet, click Trial & Activation at the bottom, paste the receipt key for this exact product and choose Activate. A permanent license allows a maximum of three computers. After successful activation, work offline.

To free a Mac's activation, connect it to the internet, open Trial & Activation and choose Deactivate this Mac. This releases that computer without renewing or resetting trial dates. Presets, project settings and updates do not renew the trial and retain settings.

The login Keychain stores trial and license-key records separately from presets. If it is locked, unlock it normally and press Refresh in Trial & Activation. Keep the system date correct.

At expiry, audio effects return latency-aligned dry audio with normal reported latency; instruments are silent; MIDI tools stop output and release held notes. Presets and project settings remain. Purchase activation restores licensed processing rather than a new trial.

Save, recall and automate

Save the host project to retain the AU instance. Use the product-specific preset operations described in the control chapters for reusable sounds. Preset files, complete project state and controller assignments can have different scopes; do not treat them as interchangeable.

When using host automation, choose an exposed sound parameter, record a short test pass and replay from before the first change. Check module enables, routing and output level. Only use product-local MIDI Learn when this manual explicitly documents it; otherwise use the host's controller-assignment workflow.

Troubleshooting and support

If the AU is missing, save your session, install the current package and restart the AU-compatible host. Check the required macOS version and Apple Silicon architecture, then review the host's plug-in manager. Do not delete a working production project to troubleshoot an insert.

For no sound or no processing, first check the correct slot, track input/output, incoming audio or MIDI, bypass/mute, module enables, mix/return amounts and trial or activation status. Test a simple documented starting point before adding a complex chain.

If the sound is too loud or distorted, reduce drive or output and inspect later inserts and the host master. Sample-peak protection does not guarantee intersample peaks. Source clipping cannot be repaired simply by lowering a later trim.

For dropouts, reduce active polyphony, unison, long returns or dense processing where applicable, or use the host's freeze/bounce workflow. A larger buffer can help scheduling; it cannot cure sustained processing overload.

For activation trouble, check the internet connection and use the key for this exact product from the Lemon Squeezy receipt. For help, contact info@lynchaudiolab.com with product version, macOS version, AU host and a short description. Never send your private license key publicly.

About this guide

Lynch Audio Lab · Music records a brighter tomorrow. This guide describes the released Audio Unit package. The control chapters preserve the supplied public operating documentation, with current-operation addenda integrated and obsolete private-test release labels removed. Images show the real product interface; some original panel lettering may predate the current package version. Original TXT documentation remains available separately.

Original Lynch designs are not measured hardware replicas or equipment-maker endorsements. Listen in context, maintain headroom and check the final deliverable after downstream processing. Support: info@lynchaudiolab.com.