INDEPENDENT AUDIO SOFTWARE

LYNCH Channel Strip

Choose a desk. Shape one channel.



Console, Punch, British and Class A put different tone and dynamics responses around a recording. Enable preamp, EQ, compressor and gate independently, change the EQ position and use only the stages that help the part.

Complete colour user guide · version 0.2.0 · Apple Silicon Mac AU · macOS 12+

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Start with the part

Console, Punch, British and Class A put different tone and dynamics responses around a recording. Enable preamp, EQ, compressor and gate independently, change the EQ position and use only the stages that help the part.

01 / SSL-inspired constantQ four-band EQ and fast feed-forward compressor behavior.

02 / API-inspired proportionalQ mids, discrete preamp character and a quicker dynamic response with a small feedback contribution.

03 / Trident80B-inspired broad four-band contours with overlapping mids and wider Q.

04 / Neve-inspired broad inductor contours, ClassA/transformer preamp color and more feedback-dependent, rounded compression.

Inside the sound

Console

SSL-inspired constantQ four-band EQ and fast feed-forward compressor behavior.

Punch

API-inspired proportionalQ mids, discrete preamp character and a quicker dynamic response with a small feedback contribution.

British

Trident80B-inspired broad four-band contours with overlapping mids and wider Q.

Class A

Neve-inspired broad inductor contours, ClassA/transformer preamp color and more feedback-dependent, rounded compression.

Signal Flow

Input then Preamp then High/Low Pass then EQ then Dynamics then Output by default.

Preamp And Eq

Drive excites the selected circuit and adds saturation/level.

Sound and approach

Four original console-inspired channel strips in one, with independent Preamp, EQ, Compressor and Gate/Expander power. Lynch Channel Strip is the console-based audio effect; the separate Lynch Analog Strip has its own broader workflow.

Console

SSL-inspired constantQ four-band EQ and fast feed-forward compressor behavior. The independent compressor and gate/expander provide the familiar complete channel workflow. These are original implementations, not SSL's circuit/DSP.

Punch

API-inspired proportionalQ mids, discrete preamp character and a quicker dynamic response with a small feedback contribution. Larger EQ moves become narrower.

British

Trident80B-inspired broad four-band contours with overlapping mids and wider Q. Its preamp and dynamics are Lynch additions to this musical console character.

Class A

Neve-inspired broad inductor contours, ClassA/transformer preamp color and more feedback-dependent, rounded compression. Gate/Expander is a modern Lynch addition; this does not assert that every historical Neve/Trident channel had these modules.

Signal Flow

Input then Preamp then High/Low Pass then EQ then Dynamics then Output by default. EQ After Dynamics smoothly changes the EQ position; both branches stay warm. Preamp, EQ, Compressor and Gate have separate On switches. The audio cuts are independent of EQ On and of the two detector high passes. Init is flat and has Preamp/Dynamics/cuts off. Switching Auto/Assist is not part of this strip; there are no mastering targets or forced automatic makeup.

Preamp And Eq

Drive excites the selected circuit and adds saturation/level. Headroom changes its threshold. Bias adjusts asymmetry. Transformer blends a saturating LF branch. Use Output to trim final level. Four aligned bands show frequency and gain, plus Q for both mids; LF/HF can be shelf or bell. Punch has gain-linkedQ, ClassA wider curves, and British a wider mid contour than Console. Frequencies remain smooth and continuously adjustable rather than recreating every hardware frequency switch. HP20Hz reads Off, LP0 Closed, LP20k Open; fixed musicalQ TPT cutoffs smooth.

Compressor

Threshold, Ratio, Attack, Release and Knee shape dynamics. Peak or RMS detector is stereo-linked, preserving the image. Makeup is manual. Compressor Mix blends compression in parallel; separate sidechainHP can reduce bass-triggered pumping. Each console voice changes feedback, envelope timing and effective knee. Comp GR shows attenuation from compression/mix, excluding manual makeup.

Gate / Expander

Threshold opens the gate; Hysteresis sets a lower closing threshold. Hold keeps it open briefly after level falls. Attack and Release smooth opening/closing; Range bounds maximum attenuation. Gentle Expander changes the closing curve for more natural quiet detail. Independent Gate SidechainHP affects the detector, not the audible high pass. The gate is stereo-linked; Gate GR shows attenuation.

Output And Help

Output, Mix, Polarity, Bypass and optional Sample Protect finish the chain. Mix0 and Bypass use exact96-sample delayed dry; host latency is always96samples. Sample Protect is sample protection, not a true-peak mastering limiter. Input/ outputRMS, sample peak and separate Comp/Gate/protection readings show activity. The circuit path is oversampled; measured factor/alias/CPU details accompany the No algorithm is claimed to be a measured hardware clone or universally better than established commercial products.

Grouped starts cover vocals, drums, bass, guitar, keys and buses. Init, preset arrows and Save/Load manage sounds. Every sound parameter supports host automation; normal drag/scroll/Shift fine adjustment and reset work throughout. Enable ? for context help; the integrated Guide closes with Escape. Scale has six sizes.

Published context: SSL channelstrip dynamics/4band descriptions, API550B proportionalQ, Trident80B manual and AMS Neve1073 ClassA/inductor descriptions. Original DSP, no paid samples/vendor code. arm64 AU. Robin's actual Logic-session workflow and musical listening remain the final artistic QA.

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.