INDEPENDENT AUDIO SOFTWARE

LYNCH Tape Echo

Let the repeats carry some tape.



Choose Single Head or Three Head and find the time, feedback and colour that answer the phrase. Drive, Age and Wow/Flutter shape motion; ducking lets the original attack remain clear.

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

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Start with the part

Choose Single Head or Three Head and find the time, feedback and colour that answer the phrase. Drive, Age and Wow/Flutter shape motion; ducking lets the original attack remain clear.

01 / Insert this Audio Unit as an audio effect. Start with Init, play, and adjust Input Calibration before shaping the effect. Output Trim controls listening level after processing.

02 / This separate Audio Unit effect has no amplifier or cabinet. The main panel stays accessible while the lower panel exposes further controls.

03 / The main controls set tape time, repeats, mix and coloration.

04 / Insert this Audio Unit as an audio effect.

Inside the sound

This Model

The main controls set tape time, repeats, mix and coloration.

Quick Start

Insert this Audio Unit as an audio effect.

Controls

Drag knobs vertically; Shift makes fine adjustments.

Sounds

Starting Points selects complete factory sounds.

Tape Echo

Single Head and Three Head are distinct machine voices.

Levels And Limits

Input Calibration, individual effect levels and Output Trim have different jobs.

Quick Start

Insert this Audio Unit as an audio effect. Start with Init, play, and adjust Input Calibration before shaping the effect. Output Trim controls listening level after processing.

This separate Audio Unit effect has no amplifier or cabinet. The main panel stays accessible while the lower panel exposes further controls.

Sound and approach

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This Model

The main controls set tape time, repeats, mix and coloration. The lower detail panel provides sync, filtering, ducking and Three Head options. This separate Audio Unit effect has no amplifier or cabinet stage. Use Mix at 100% for a wet return.

Controls

Drag knobs vertically; Shift makes fine adjustments. Sliders follow the pointer. Mouse wheel and keyboard arrows also edit values. Home/End reach the ends of the range. Double-click or right-click Reset to Default restores one parameter. Simply hovering does not change audio.

Click ? to enable per-control explanations. Inactive controls are dimmed and their values retained. All sound controls are Audio Unit parameters. Use Logic's automation lanes, or Logic Pro > Control Surfaces > Controller Assignments to assign MIDI hardware. This audio-effect AU does not advertise an internal MIDI Learn receiver.

Sounds

Starting Points selects complete factory sounds. The arrows move through them. Factory changes retain Input Calibration and Output Trim, except Init which resets everything. Save writes a complete User sound; User opens one for this product. A sound file for another amplifier is rejected. User sounds restore the saved trims too.

Tape Echo

Single Head and Three Head are distinct machine voices. Only Three Head exposes head combinations and its spring amount. Time and Division refer to head 3; heads 1 and 2 use one-third and two-thirds of that duration. Completed bypass clears the echo tail after a fade. Sync follows host tempo; Division selects its musical duration. Without valid host tempo the engine uses its documented fallback. Time is available with Sync off. Repeats changes feedback; Mix reaches fully wet for send use. Bass/Treble shape the echo. Tape Drive, Age and Wow/Flutter add coloration and motion; Duck reduces echo while the input plays.

Levels And Limits

Input Calibration, individual effect levels and Output Trim have different jobs. There is no hidden loudness matching. Watch the output meter and leave headroom in the session.

These are original software implementations informed by published amplifier documentation. Exact equivalence to a particular physical unit, tube set, speaker or microphone requires physical reference measurements and listening. No claim of a 100% measured clone is made.

Ui And Guide

UI Size offers six sizes and fits within the display. The guide is integrated into this window: Close or Escape returns to the controls. It does not open behind Logic.

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.