REVERB 33

User manual · v0.3.0

Reverb vocal effect with ducking, transposition and approximate formants; classifies audio locally and proposes verifiable mixing adjustments.



macOS 12+, Apple Silicon and Intel. The vehicle is not equipped with a V-V2.

Scope of this version

Pitch is transposition, not scale tuning. Central decorative graphic. No Freeze or multiple engines. Custom installer for this Mac.

Capture the implemented editor; it's not a capture of Logic.

Operating guide

This is a list of the countries of the European Economic Area.

Save your project and shut Logic down completely. Open REVERB33-0.3-This-Mac.pkg and follow the steps. It's a custom installer for the user's plugins folder on this Mac, not to distribute on other computers. Then open Logic > Audio FX > Audio Units > REVERB 33 > Celestial. If BETA 0.2 appears, explore the plugin again in Logic Module Manager and restart Logic. The plugin in use during development was not replaced to preserve your open session.

New controls Double click on any barrel: select your numeric field. Type the value and press Enter, or change the focus to apply it. You can also edit the field directly under the beam. For example: 42,5%; 300 ms; 2.8 s; 4500 Hz or 4.5 kHz; -6 dB; +7 st. Each control uses its actual unit: percentages, seconds, milliseconds, Hz, dB or semitones. It doesn't turn everything into percentages. Voices supports 0/1/2 or Solo/Double/Triple. Double Level and Humanize require Double or Triple to be heard.

Out-of-range or invalid values are rejected and the previous adjustment is retained. Drag the bead up/down to change. Keep Shift during drag for accuracy. Option+click resets the initial value. Pan acts on stereo output; he does not panorama a monkey instance. Automation publishes drag start/finish gestures and numerical edits to the host.

DISIGN AND FUNCTION Metal beads with quantity gradations, legible value fields and buttons with consistent golden aesthetics. A/B: Copy the scene keeps the current scene as an alternative. Switch controls and A/B pulse to alternate between the two sets of values. They are kept as long as the plugin window remains open; they are not saved as two separate scenes within the project. The active set is normally kept with the audio unit status.

IN/OUT indicators: peak level of the last block in dBFS; PEAK if the output exceeds 0 dBFS. They're numerical indicators, not calibrated VU meters. Bypass synced to the host state.

PITCH, FORMANTES and AI Pitch: continuous transposition ±12 semitones, not automatic tuning by scale. Formant: approximate remapping of spectral envelope, ±12 semitones equivalent. It can produce artifacts in extreme settings. Voice analyzing captures five seconds of input when playing Logic and runs the pre-trained SoundAnalysis classifier from Apple locally. It shows a category and its confidence; mixing suggestions are criteria designed by

We're going to be on that classification and level. Press Apply proposal to change reverb, decay, predelay, ducking and output. It doesn't change Pitch or Formant, nor does it guarantee a better mix. You can cancel the listening before the five seconds are over. No audio is sent to servers.

MacOS 12 or later. Universal binary arm64/x86_64; tests performed on M2 Pro, Ventura 13.4.1. Intel compiled without proof in Intel hardware. 15 parameters, compatible with previous 13/15 parameters states. 2048 sample latency, declared to the host (42.7 ms at 48 kHz). Local ad hoc signature, notarized or commercial developer ID. The central graphic is decorative. It does not include multiple reverb engines, note editor, de-esser, freeze or automatic tempo synchronization.

Verification of this version Native test host, directly loading the candidate component without touching the plugin in use by Logic: - 15 value fields connected to audio parameters. - Double-click path verified with test event.

- Decimal comma, units, invalid inputs and limits. - A/B comparison preserves and recovers both sets. - Meters receive real input and output signal. - Native pitch +12 produces approximately 880.68 Hz from a 440 Hz signal. - Five-second capture and local inference from Apple work. - Cocoa interface rendered and revised. Version 0.2 passed Apple's; version 0.3 was verified on the test host. No interactive test of the 0.3 within Logic or extensive auditory evaluation with real voices has been completed.