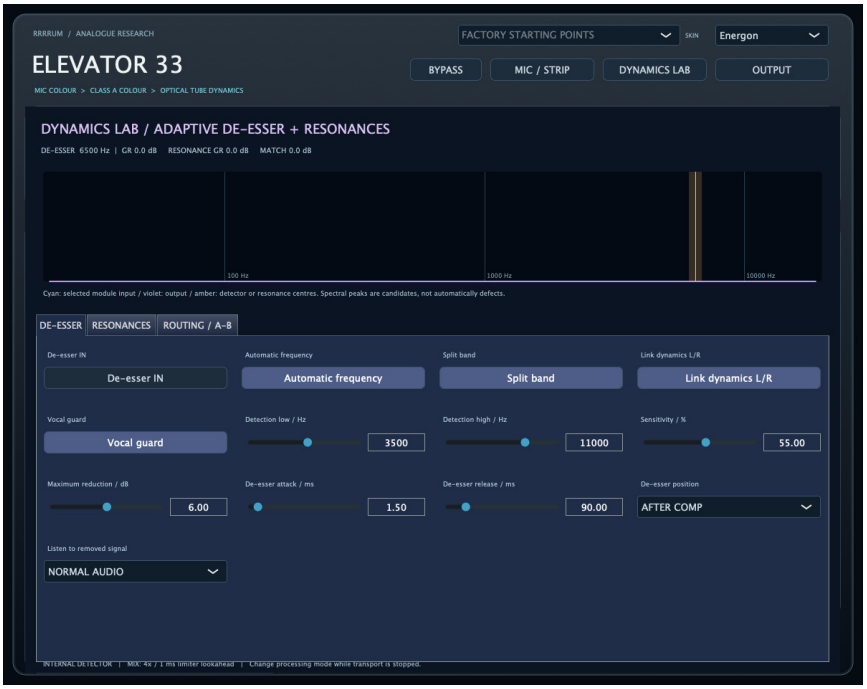
Elevator 33

User manual · v0.5.1 (cinco skins)

Channel strip with color profiles of microphone, preamp, EQ, compressor, Dynamics Lab, de-esser, three resonance bands and output stage.



macOS 12+, Apple Silicon and Intel. AU and independent application.

Scope of this version

Own colour and DSP models, without exact equivalence to microphones or hardware. The last five skins source is compiled to obtain actual screens; validation within Logic pending.

Captures generated from the local compilation of the last 0.5.1 source with five skins; not presented as Logic captures.

Operating guide

Elevator 33 v0.5.1

This delivery contains the source code and compilation tools for Mac. It does not include a `.component` already compiled or notarized.

What was added

- Adaptive de-esser with spectral input/output display, detection centre and reduction in dB. - Automatic/manual frequency, sensitivity, maximum reduction, attack/release, full/divided band, voice protection and stereo linkage. - Delta listening: reproduces what removes de-esser or sound control. - Three independent dynamic bands of frequency, Q, depth and threshold resonance. - De-esser before or after the compressor. - Compressor detector filter and mono/stereo external sidechain input.

- Full A/B snapshots with IR included and automatic RMS compensation limited to ±12 dB. - Momentary, short and integrated LUFS, plus end-measurements and waveform. - Recording: 2x and zero lookahead of the limiter. Mix: 4x and 1 ms of lookahead. Both modes report their actual latency to the host. - 11 start presets and 69 automatable parameters.

How to compile and install

1. Unzip the folder on your Mac and close Logic.

2. Open `Build-and-Install-Mac.command`. It needs CMake 3.22+ and Xcode Command Line Tools; the script reports if any are missing. JUSCE is already included.

3. The script compils, runs the tests, installs the AU for your user and runs `auval`.

4. Open Logic > Audio FX > RRRUM > Elevator 33 and then move to the next level. To repeat the verification, use `Verify-Mac.command`.

Use of the product

Open DYNAMICS LAB and activate De-esser IN or Resonance IN as you wish to correct. New functions are turned off in the initial preset. Combined presets allow you to listen to complete strings as a starting point.

Save A and B before using RECALL. Activate Level Match to reduce the volume difference; let play a few seconds to stabilize. It's a shortened RMS compensation, not a guaranteed perceptual equality. Snapshots are saved with the session.

For external sidechain, select the source in Logic and enable the bus. The display differentiates enabled external bus and fallback from the internal detector. An enabled but silent bus doesn't fire the external compression.

Change recording/mix with the stopped transport. Filters and buffers are reconstructed and there may be a brief interruption if you change it during reproduction. In OUTPUT you can see the final audio after the effects, gain and limiter. Remember to go back to normal audio after you hear a delta signal.

What has been verified and what is missing

They passed audio tests of the modules, full flow, A/B storage, measurement, parameter changes and modes. LUFS was contrasted with an independent calculation using published coefficients and a signal of variable levels and silence. WAV examples and graphics are synthetic signals processed by the actual DSP, not recordings of your voice.

Run the interface/host tests on Mac, compile the Audio Unit and validate session playback and recovery in Logic. The scripts are included. No certification of meters or exact equivalence with commercial hardware or plugins is claimed. Microphone models are color approximations; Vocal Guard uses signal analysis and may require adjustment. The limiter controls sample peaks; true peak is a separate estimate.

I'm going to get a new one.

Open the START-HERE-MAC.command to compile, test and install. The records are stored in the QA folder. The installation checks both architecture and the local signature; if it fails, it reverses the installation and keeps a copy of the previous component.

The restoration of damaged IRs (now restoring identity to the host's actual frequency) and the change of mode were fixed, which no longer restarts a processor suspended by the host. The quality notification from automation only writes an atomic flag; the reconstruction is done on the message thread. Native testing now goes through the 11 presets and verifies these cases.

State of the available file

New source compilation 0.5.1 of five skins recovered from the chat. The results of the 15 views were verified; no auval/Logic validation of this compilation is declared. The original source received is also included.