

SPECULUMLITE

Dual delay line/comb filter

Contents:-

1. Installation
2. Layout
3. Delay line
4. Filter
5. Modulation
6. Mixer
7. Presets

Installation.

PC

Download the 'SpeculumLite.EXE' file from decadebridge.com and run the file.

The installer will guide you through the process and copy the files to the relevant places on your computer.

SpeculumLite will appear in your DAW under the vendor name '*saltline*' (the name under which I initially released plugins).

To uninstall simply delete the 'SpeculumLite' folder from your VST3 folder and VST3 presets folder.

(The presets folder will be in a folder titled 'saltline')

These are the only files that are installed to your computer.

Intel Mac

To install SpeculumLite AU on your Mac download the 'SpeculumLiteAU.zip' from

decadebridge.com and extract the files. You will have one folder titled

'SpeculumLite.component'. Copy the entire folder to your components folder usually found at

Mac/Library/Audio/Plug-Ins/Components.

Copy the 'saltline' folder to your presets folder **Mac/Users/username/Library/Audio/Presets.**

Note that the **Library** folder on a Mac is a *hidden folder*. More information: <https://www.macworld.com/article/2057221/how-to-view-the-library-folder-in-mavericks.html>

SpeculumLite will appear in your DAW under the vendor name '*saltline*' (the name under which I initially released plugins).

To uninstall simply delete these two folders from your computer.

SpeculumLite is freeware and does not require an internet connection or registration to run.

If you have any issues contact support@decadebridge.com.

Layout.



SpeculumLite is a dual delay line/comb filter effect that can create a wide range of sounds ranging from ambient echoes and reverbs to modulated, glitchy delays.

All controls are on a single page to enable you to create interesting textures and sounds quickly and intuitively.

SpeculumLite also comes with a small bank of presets to get you started. Feeding simple sequences, single notes or drum hits can result in constantly moving textures and modulated spaces.

Delay line.

SpeculumLite has two delay lines that both function the same. Here we'll just look at one.



SpeculumLite's delay lines are a simple affair. The buttons to the left of this section determine the **'TIME'** range of the delay. **'DELAY'** repeats the incoming signal like a standard delay effect. **'COMB'** runs at a far quicker rate to create a comb filter effect. The **'R>L'** button links both the left and right delay rates. With this on, **'TIME-L'** changes the delay time of both channels.

'TIME-L' and **'TIME-R'** set the rate for both the left and right channels respectively unless **'R>L'** is on.

'FEEDBACK' sets how many repeats the delay produces.

The bottom of the delay section has two sine wave, low frequency oscillators. The first is fed into the delay's time. The second is fed into the feedback amount. The **'RATE'** and **'DEPTH'** controls change how the LFOs interact with the delay time and feedback.

Filter.

SpeculumLite's filter section has two self oscillating filter stages.



The signal from the delay section is passed through the filter. The signal is fed through a resonant low pass filter first and then through a resonant high pass filter. The low pass filter's cutoff frequency can be changed using the '**LPF**' knob and the high pass cutoff using the '**HPF**' knob.

Each filter has its own '**RESONANCE**' control. Both filter's will self oscillate when the '**RESONANCE**' is at its highest setting. **!!!THIS CAN GET VERY LOUD VERY QUICKLY!!!**

As with SpeculumLite's delay time and feedback the filter has two sine wave LFOs. Each of these control the cutoff frequency of the low pass and high pass filters.

Modulation.

All of SpeculumLite's modulators have the same rate range with exception of the mixer section. The LFOs in the mixer can run back at audio rate to create more interesting sounds, overtones and harmonics.

Mixer.

SpeculumLite's mixer can create some interesting effects using a minimal amount of controls. Each section of the mixer receives and sends signals to different parts of the effect. The mixer is located at the right of the plug-in. Working from top to bottom:-



The top section of the mixer is for **'DELAY-A'**.

'OUT' sets the level of delay A's signal sent directly to the output. The **'RATE'** and **'DEPTH'** knobs control the sine wave LFO and how it affects the signals volume.

'DELAY-B' sets how much of the **'DELAY-A'** signal is sent to **'DELAY-B'**. The **'RATE'** and **'DEPTH'** knobs control the sine wave LFO and how it affects the signal.



The middle row of the mixer is for **'DELAY-B'**.

'DRY IN' sets the level of the dry signal fed into **'DELAY-B'**. The **'RATE'** and **'DEPTH'** knobs control the sine wave LFO and how it affects the signal's input level.

'OUT' sets the level of delay B's signal sent directly to the output. The **'RATE'** and **'DEPTH'** knobs control the sine wave LFO and how it affects the signal's volume.



The bottom row of the mixer is for the dry signal.

'OUT' sets the level of the dry signal sent directly to the output. The **'RATE'** and **'DEPTH'** knobs control the sine wave LFO and how it affects the signal.

ALL OF THE MIXERS LFOS CAN RUN UP TO AUDIO RATE TO GIVE YOU AMPLITUDE MODULATION OVER EACH OF THE OUTPUT SIGNALS.

Presets

SpeculumLite comes with a small bank of factory presets. These can be accessed through your DAW's preset browser (check your DAW's manual).

If you come up with any presets that you would like to be made available to other users through my site send them to info@decadebridge.com

<https://www.etsy.com/shop/decadebridge>

<https://www.decadebridge.com/>

<https://www.youtube.com/@decadebridge>

<https://www.instagram.com/decadebridge/>

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