ALAE - INSTALLATION GUIDE

VCV Rack Installation

1. Download and Install VCV Rack 2
   https://vcvrack.com/Rack#get

Alae Plugin Installation

1. Download the Alae Plugin
   https://github.com/luggezoe/luggez_alae

2. Extract and Move the Plugin Files
   - Extract the downloaded folder.
   - go to ./luggez_vcvplugin_all_platforms
   - Move the corresponding `.vcvplugin` file for your operating system to the VCV Rack user folder.
   - To find the VCV Rack user folder, open VCV Rack and go to the top menu:
     `Help > Open User Folder`

3. Place the Plugin in the Correct Folder
   Move the `.vcvplugin` file into the subfolder:
   `./plugins-(your operating system)-x64`

4. Restart VCV Rack
   After moving the file, restart VCV Rack.
   - Go to `Library > Update All` to refresh the plugin list.

Final Steps

1. Verify Plugin Installation

   If everything worked correctly, the `.vcvplugin` file will disappear from the plugins subfolder, and a new folder named `luggez` will be created.

2. Load the Plugin

   You can now load the plugin by right-clicking in the VCV Rack interface and typing "alae" in the search bar or by selecting "luggez" from the brand dropdown.

3. Try the Example patches

   You will find them in the folder `example patches` on the github repository

ALAE - MODULE OVERVIEW

ATTENUVERTERS
All unlabeled small knobs connected by a yellow line are attenuverters.
They scale the modulation from their respective modulation inputs.

TRCK
Tracking Adjustment
for the 1V OCT Input
in samples

PITCH
Base frequency of the delay lines
Delay Range -1 - 0 = ~10s - ~0.04s
Tonal Range 0 - 1 = ~26Hz - ~6KHz

KT
toggle keytracking
from pitch to filter

FILTER
Controls the cutoff frequency within the audible range. The range varies depending on the KT setting.

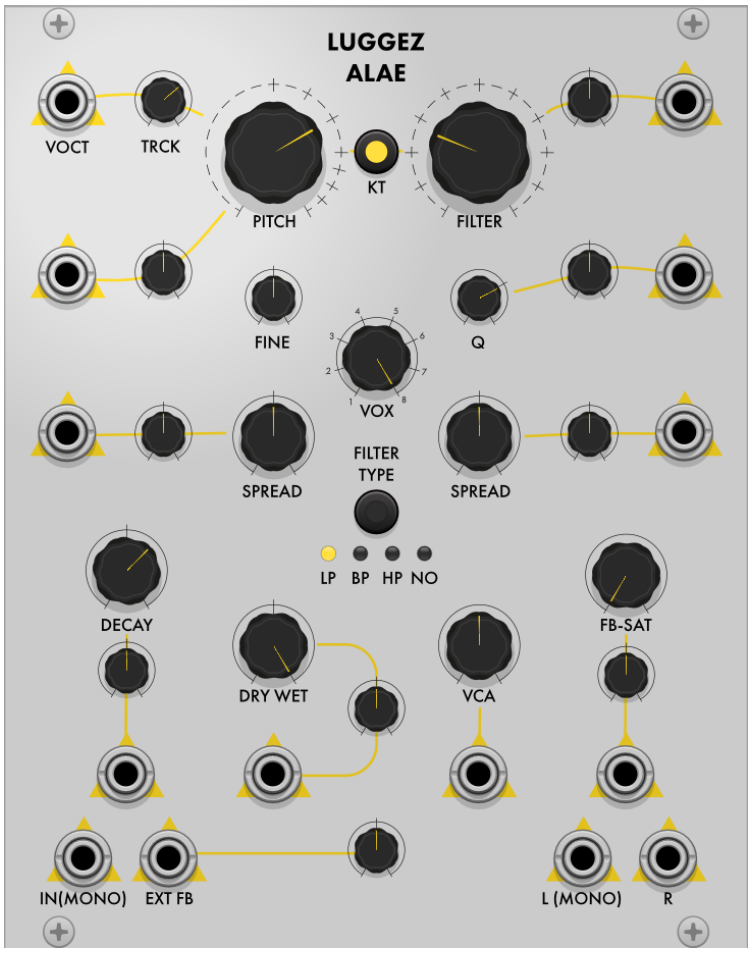
FINE
pitch adjustment
+- 1 semitone

SPREAD
Offsets the pitch frequencies of active voices, spreading them upward and downward from the base frequency.

FILTER TYPE
Filter type selection.
If none of the led's are lit, the filter is bypassed.
LP = LOWPASS
BP = BANDPASS
HP = HIGHPASS
NO = NOTCH

DECAY
Controls the decay time, with a maximum value of 60 seconds.
+1: Positive feedback polarity.
-1: Negative feedback polarity.

The feedback polarity affects the overtones of the signal, creating different tonal characteristics.



VOX
Sets the voice count. The Spread knobs are active only when the voice count is greater than 1.

Q
Controls the Q-factor of the selected filter. In LP and HP modes, values above 0.701 boost the signal and can lead to self-oscillation.

SPREAD
Offsets the filter frequencies of active voices, spreading them upward and downward from the base frequency.

FB-SAT
Additional feedback and saturation.

This parameter adds to the feedback factor determined by the Decay knob, allowing the overall feedback factor to exceed 1, resulting in self-oscillation. The feedback is clamped to 1 with saturation to ensure self-oscillation remains at a stable gain. Additionally, it introduces overtones to the sound.

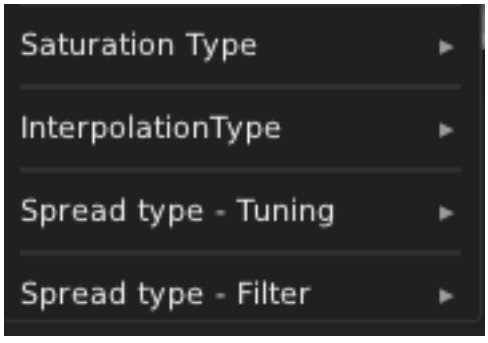
IN (MONO)
Mono audio input

EXT FB
Allows you to create a custom feedback path by routing the signal through external modules.

DRY WET
Controls the mix between the dry (unprocessed) and wet (processed) signal.

VCA
Adjusts the overall output level. It can also be used to boost the signal if it becomes too quiet.

L (MONO) & R
Voices alternate between the left (L) and right (R) channels. If only one output is connected, all channels are summed to mono.



RIGHT CLICK MENU

Saturation Type: Selects the type of saturation applied when the internal gain overshoots.

Interpolation Type: Controls the interpolation between sample values for precise tuning. This may introduce some (unwanted) artifacts.

Spread Type: Choose between even or random spacing between the voices for tuning and filter spread.