VCAs and DELAYS
ADDONS FOR KRON

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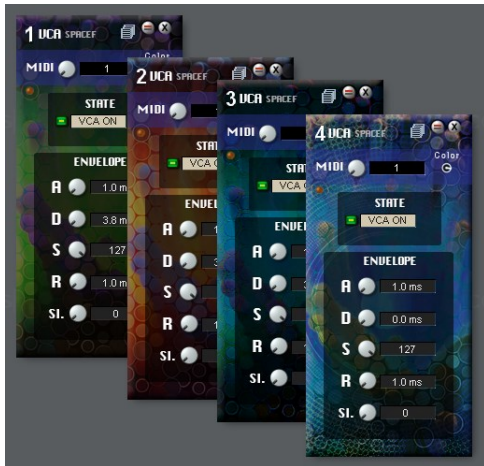**This pack contains "8-Del" and "VCA" for KrOn.**

These devices allow compensating for the latency introduced by the "Midi to CV" device. They should be used in conjunction with a DAW that allows negative latencies in each MIDI channel.

8-DEL FOR KRON

Adds latency to one or several ADAT Channels to compensate the latency of the Midi to CV signal (if you use the device "Midi to CV").
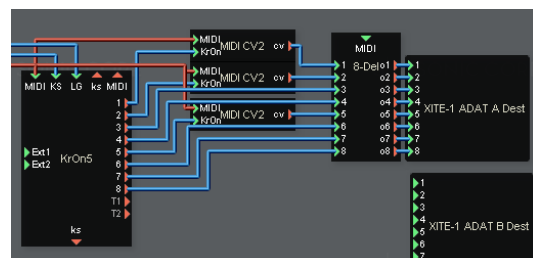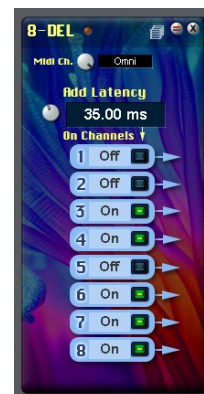
- In general, you **add latency to all channels except PITCH signals**.

Simply activate the channels to delay with the green button at the right of each line, and deactivate it for channels with Pitch. Then play with the "Add Latency" setting.

A good starting latency value is around 33ms. Then adjust. The latency should be the same in all your projects, so it is an easy parameter to remember.

Try different latencies quickly by making presets and recalling them.

At the end of this manual, you will find recommendations for using this device with KrOn and your DAW.

The above pictures show the delay active only on Pitch signals from Midi to CV, ie channels 1, 2 and 5. All other channels are modulations.

1 / 2 / 3 / 4 VCA

This device allows to shut down the sound of KrOn when you stop your DAW. There are 4 variations with a different number of VCAs, allowing to adapt your needs in each project.

It acts like a note on/off thanks to an envelope generator.

It must be plugged between your external gear signal and a mixer.

In general, you use it;
- on the same midi channel as KrOn,
- **OR** on a different midi channel playing the same as KrOn but on a different midi latency setting (in your DAW).
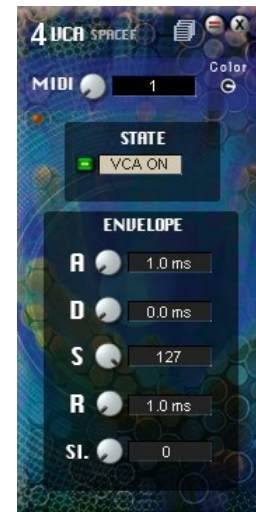- **OR** standalone without any track latency, to add an envelope to any sound.

In general, this device is used with a latency of Zero, while KrOn is used with a latency of "-xx " ms (-xx is the negative value of the latency applied to KrOn with the 8-Del device).

ALL the VCAs variations **use the same preset list**, as parameters are the same on all devices.
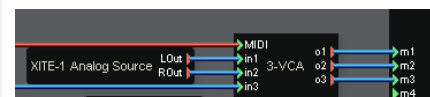
STATE: allows to bypass or activate the VCAs
Color: allows to change the panel color to differentiate several VCAs
ADSR: Attack and Release can go down to 1 ms

Example of connection:

START SETTINGS for KrOn controlling a eurorack modular:

8-Del :
- **Delay around 30/40 ms** on all channels except the ones carrying a Midi to CV PITCH signal.
- **KrOn Midi track in DAW:** track latency of -30/-40 ms (the negative value of the delay time set on 8-Del device.

VCA
In the DAW:

- copy the KrOn midi track on a new midi track
- Change the midi channel (eg: midi=CH:2 if KrOn is on CH:1)
- Midi track latency of zero ms (or the negative value of your ulli settings, such as -3ms , -7 ms etc).

More info: https://spacef-devices.com