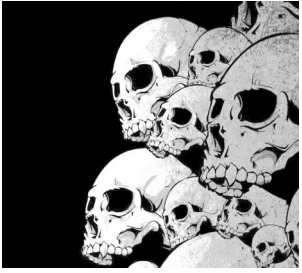
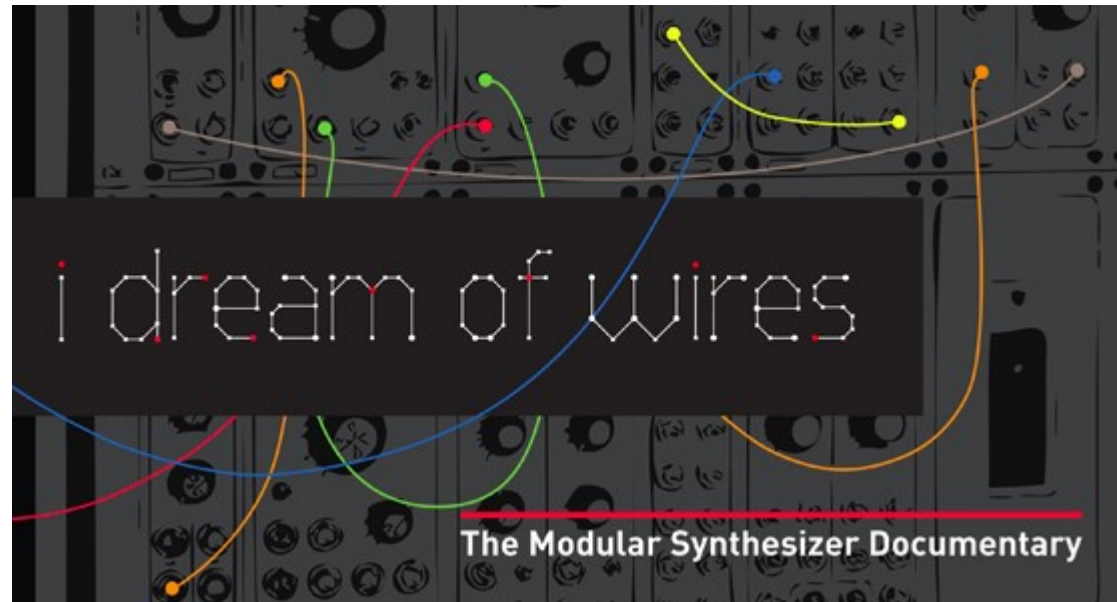


Y. collette (ycollette.nospam@free.fr)
<https://audinux.github.io>

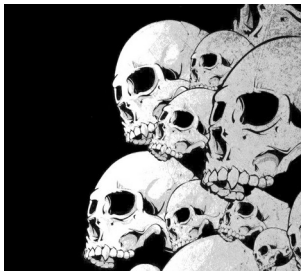


Modular synthesis

<http://www.idreamofwires.org/>

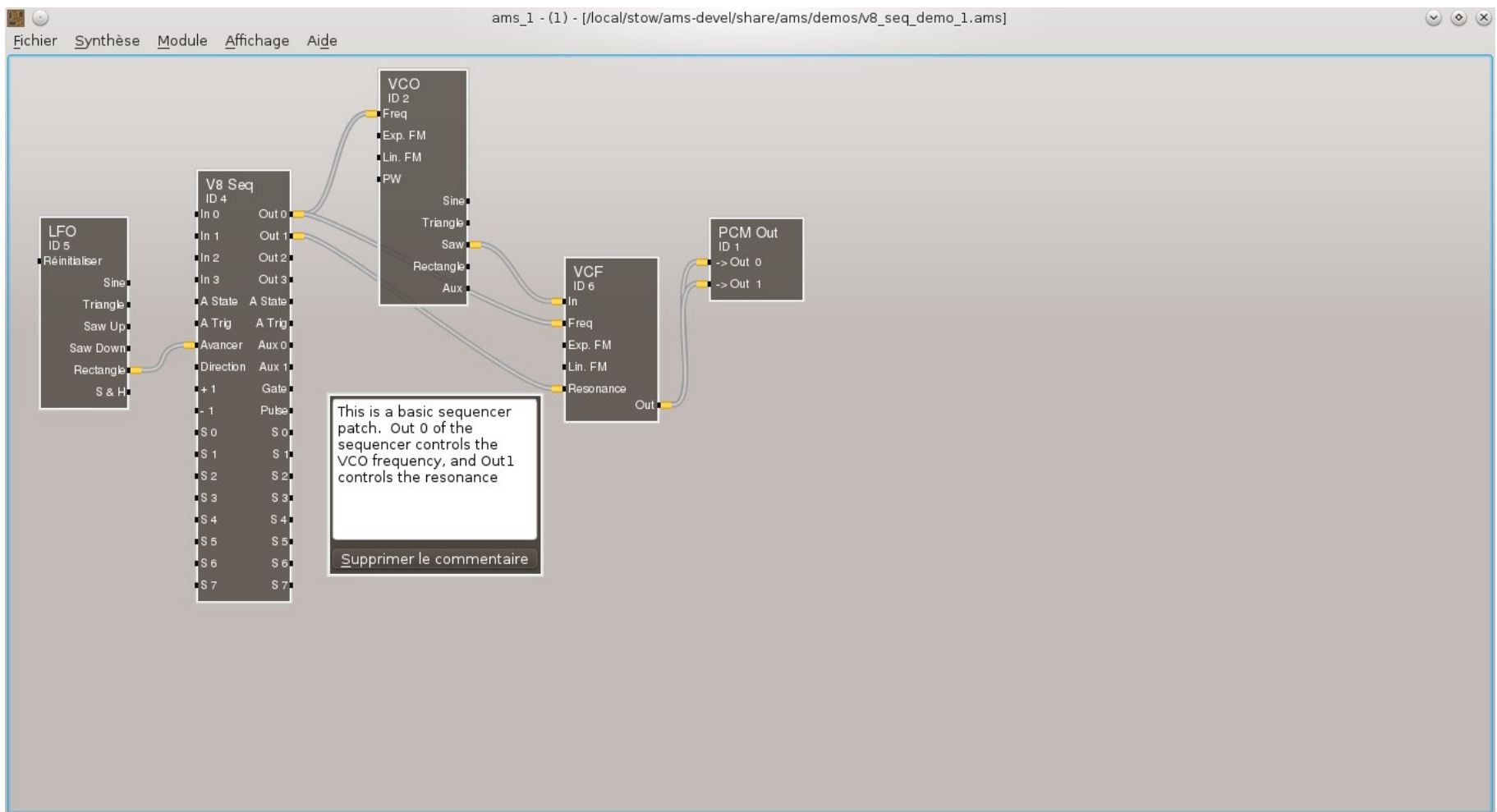


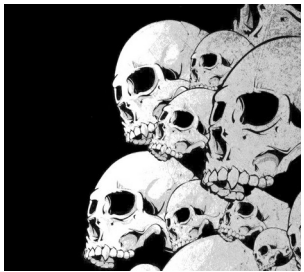
A good documentary about modular synthesis



AMS

<https://alsamodular.sourceforge.net/>





AMS

A simple patch

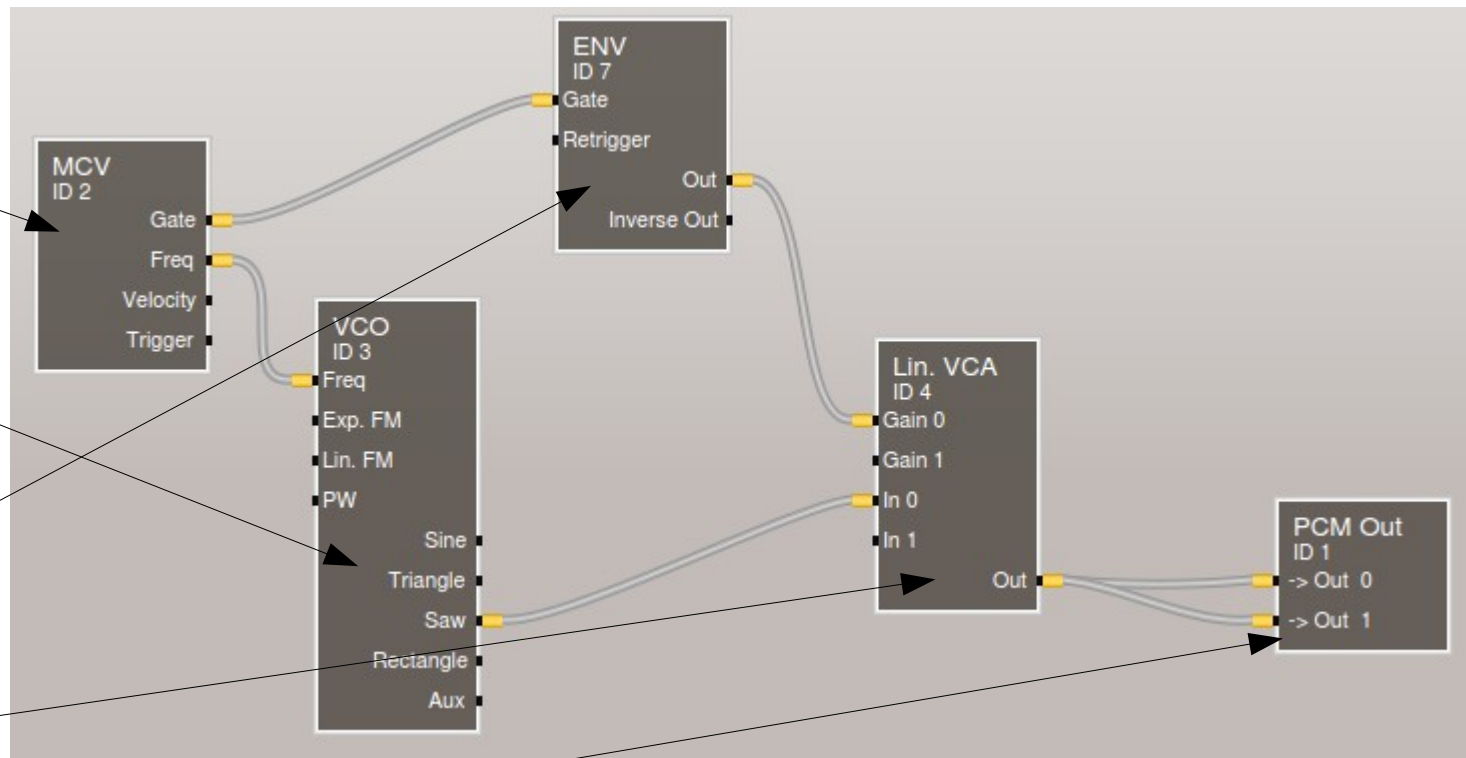
**MCV: MIDI
Controlled
Voltage**

**VCO: Voltage
Controlled
Oscillator**

**ENV: ADSR
envelope**

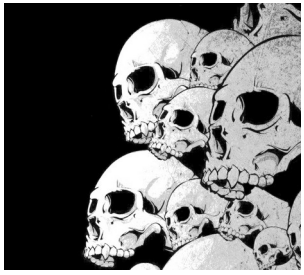
**VCA: Voltage
Controlled
Amplifier**

PCM OUT:
Audio output



The gate output of the MCV = 1 when a key was supported and 0 otherwise. The FREQ output contains the frequency of the MIDI note played.

The VCA is there to gradually play the note via an ADSR envelope (otherwise we hear a click).



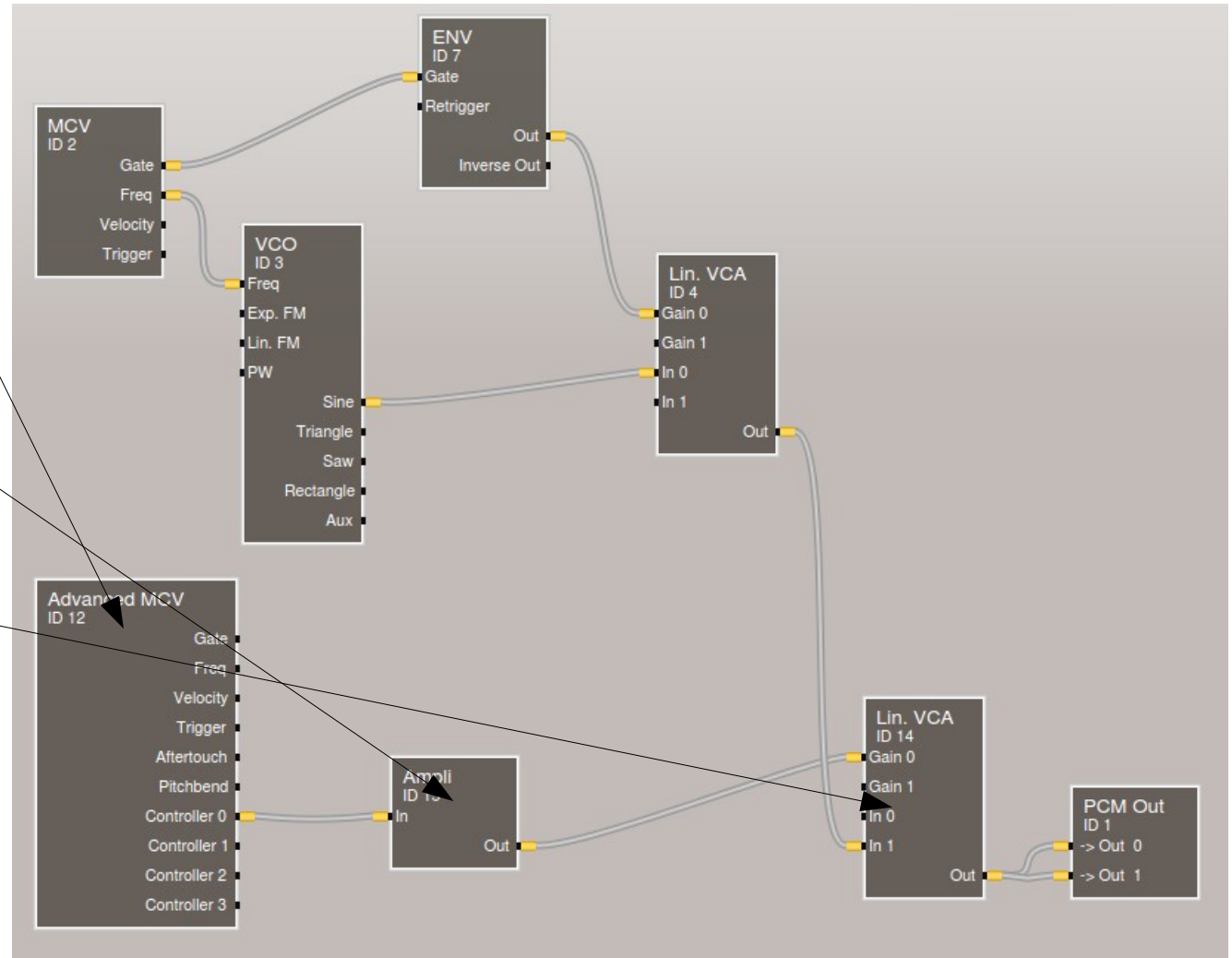
AMS

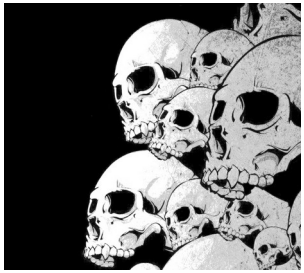
A MIDI Patch with controller

Advanced MCV: MIDI Controlled Voltage Module to recover controller values

Amplifier: allows you to add a gain to the value of the controller

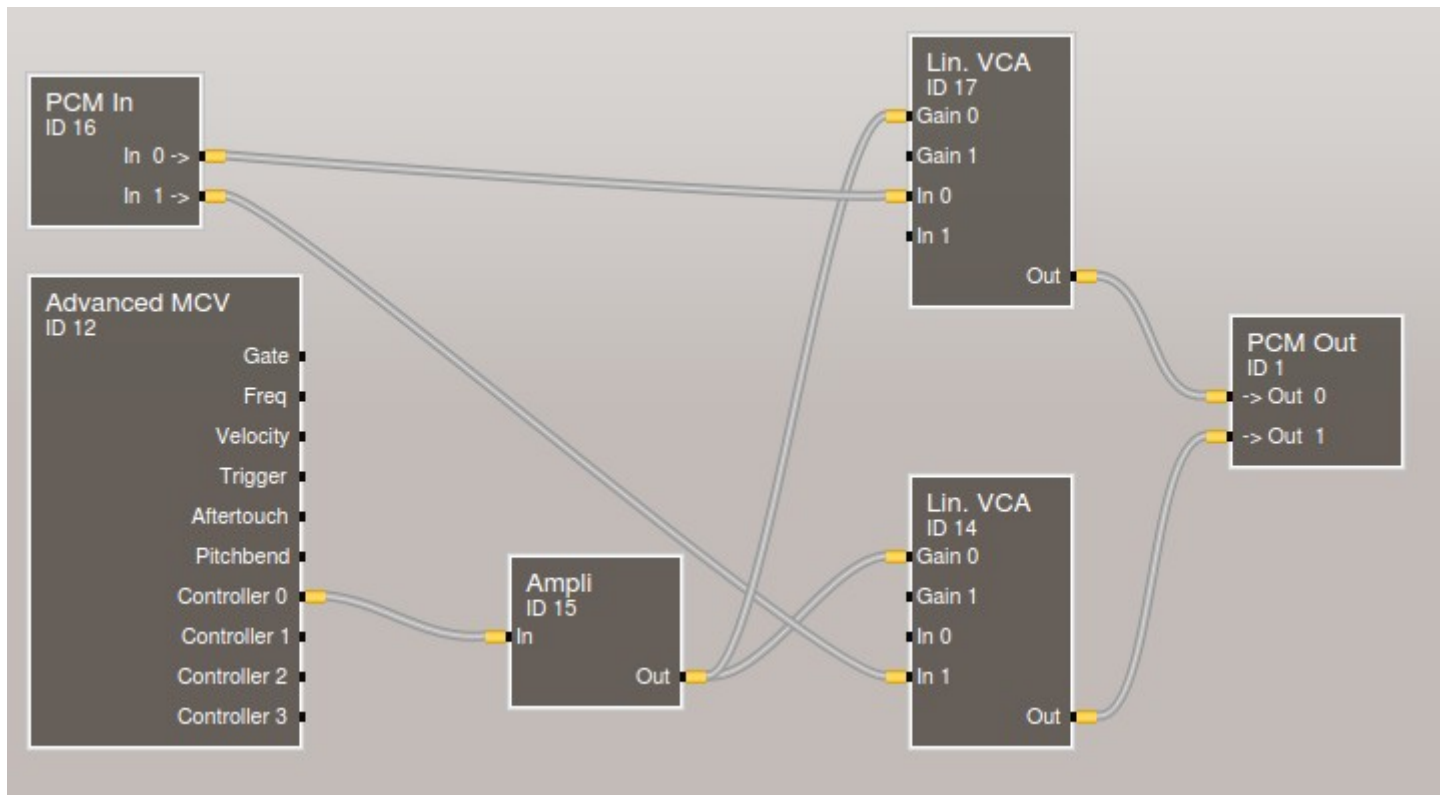
Lin VCA: allows you to modulate the amplitude of the signal by the value of the controller

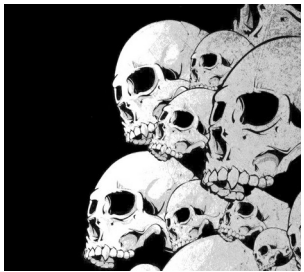




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Patch mixing MIDI and audio





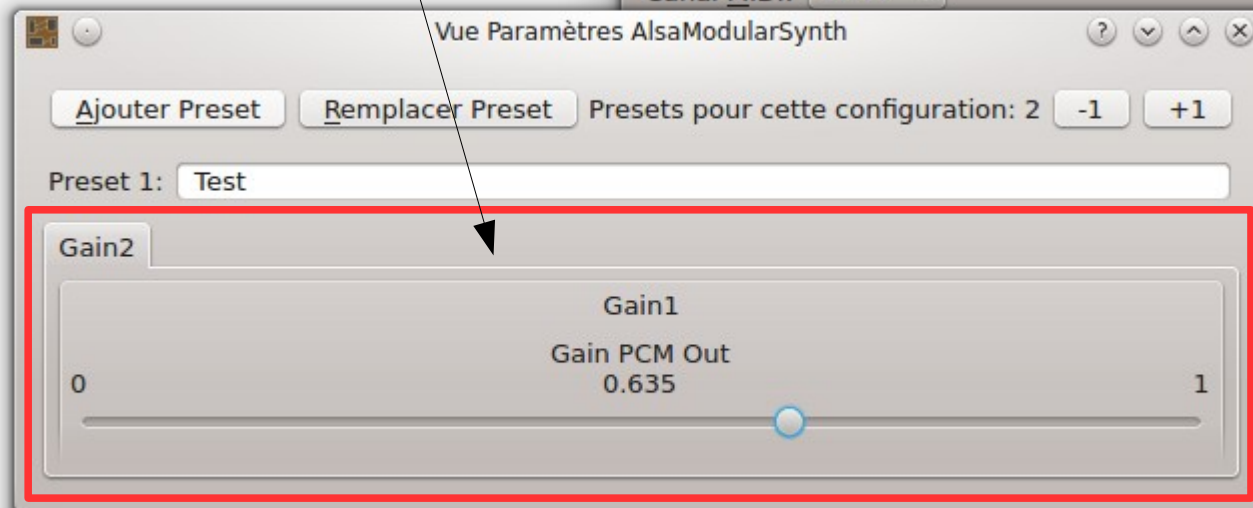
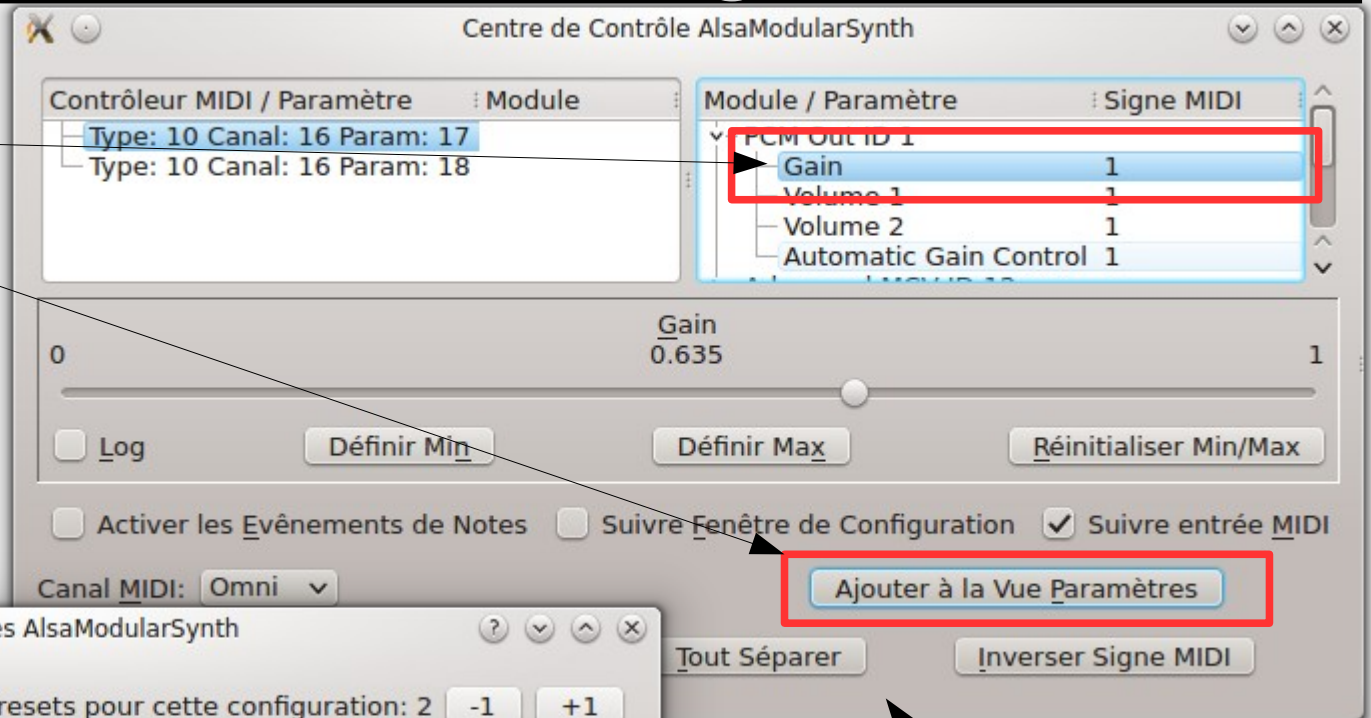
AMS

Preset management

We select a parameter.

We click on this button.

A configuration window is gradually built for the patch



View → Control center

View → Settings view