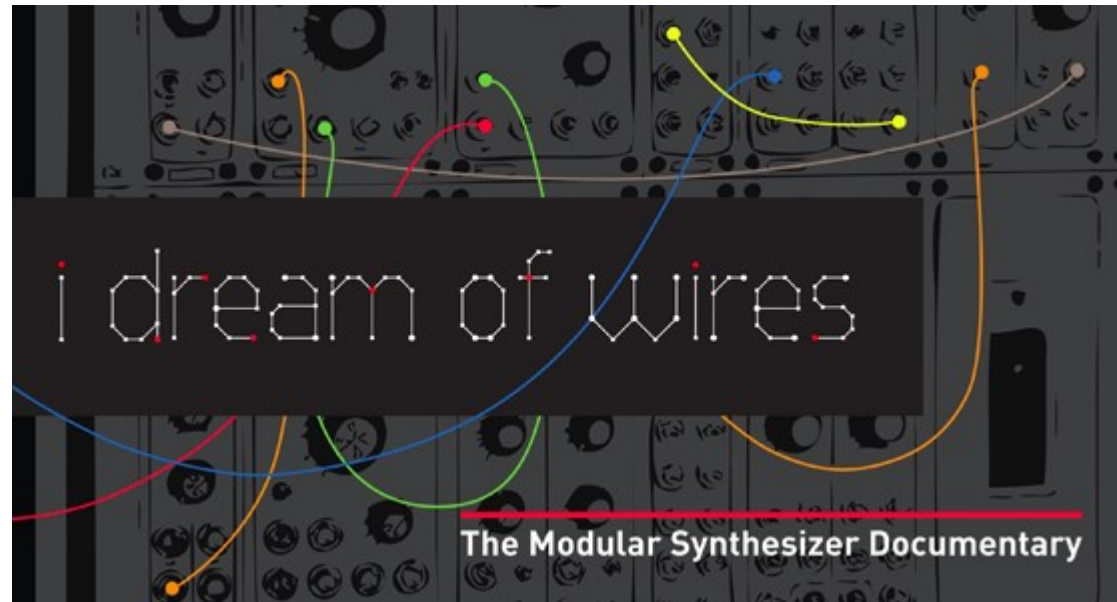


Y. collette (ycollette.nospam@free.fr)
<https://audinux.github.io>



Modular synthesis

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

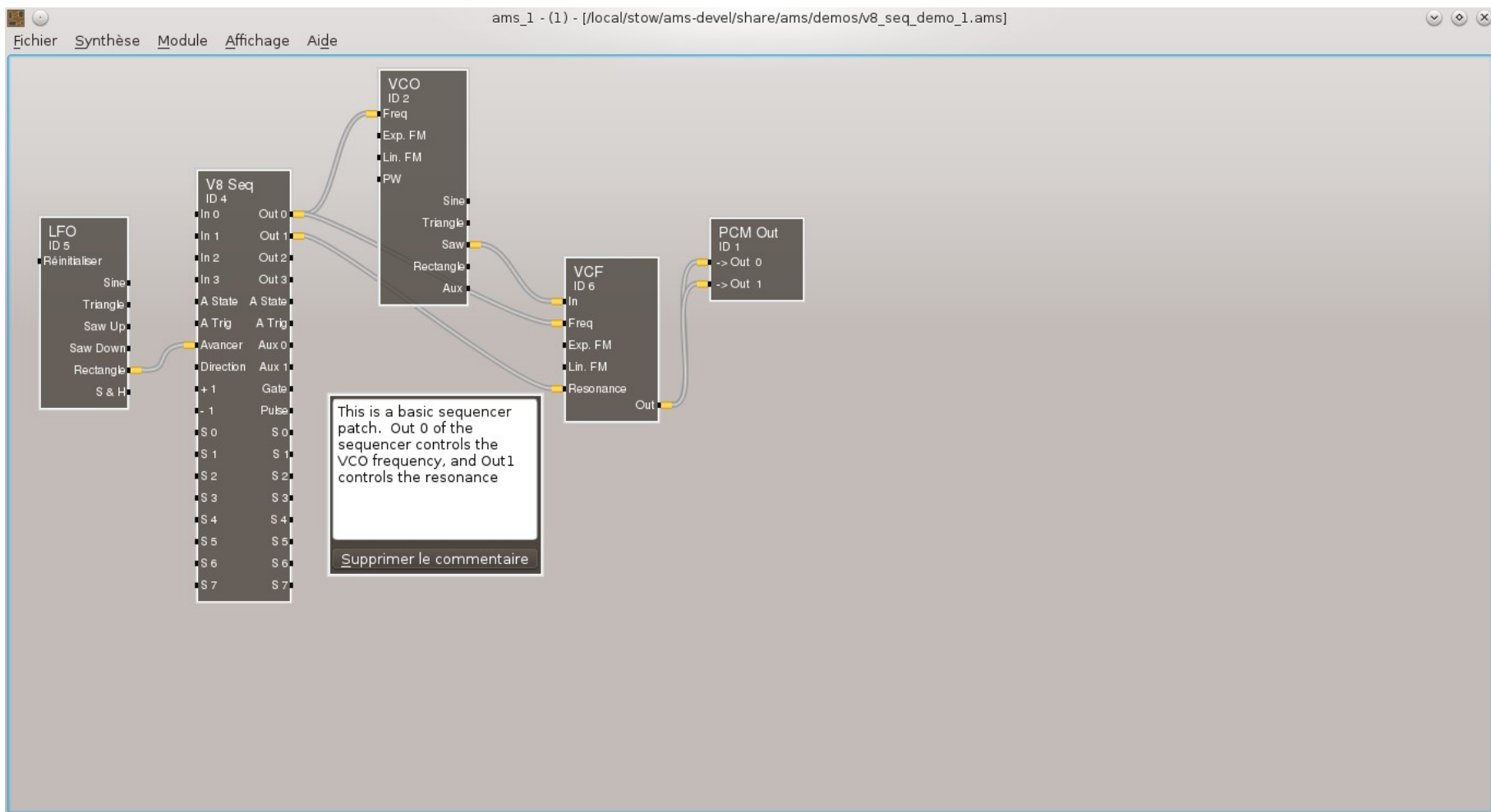


A good documentary about modular synthesis



AMS

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





AMS

A simple patch

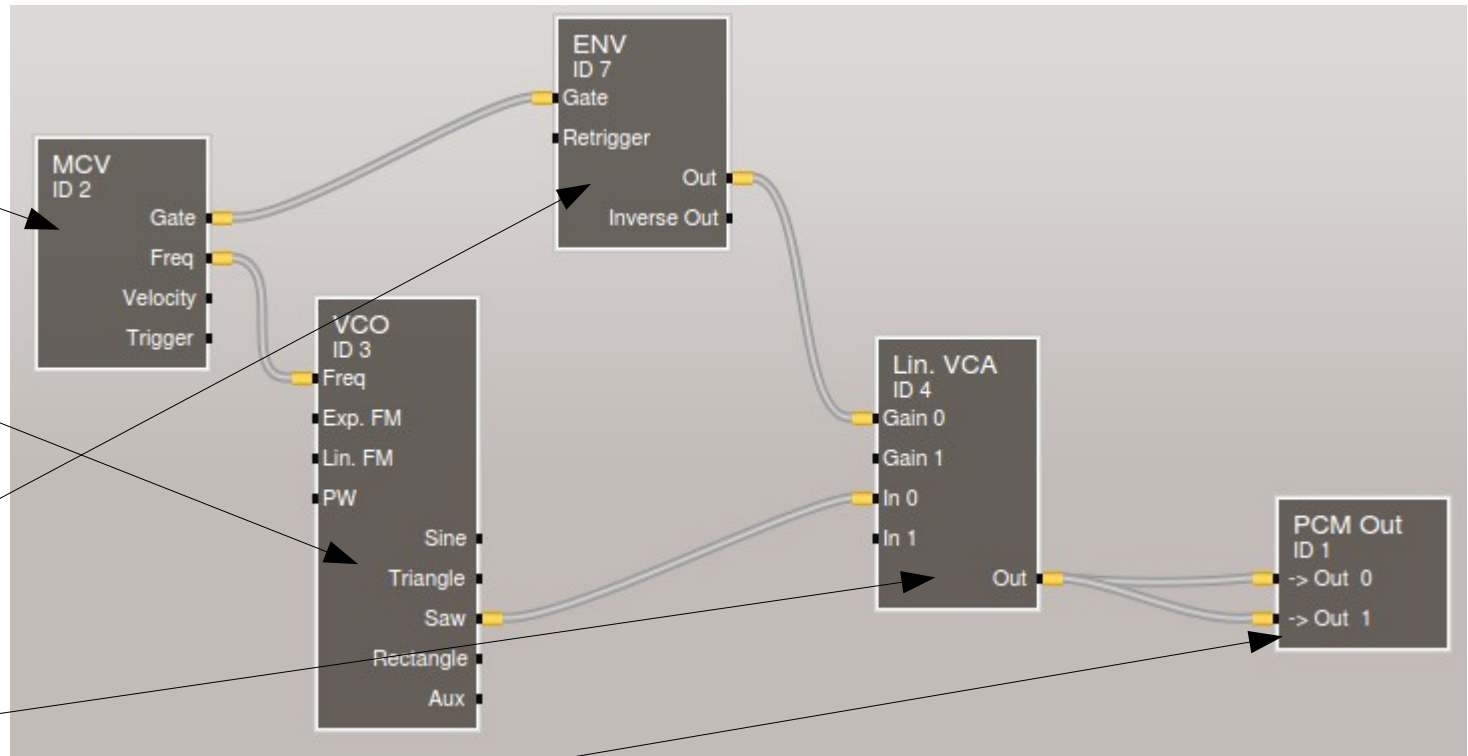
MCV: Midi
Controlled
Voltage

VCO: Voltage
controlled
oscillator

Approx: 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).



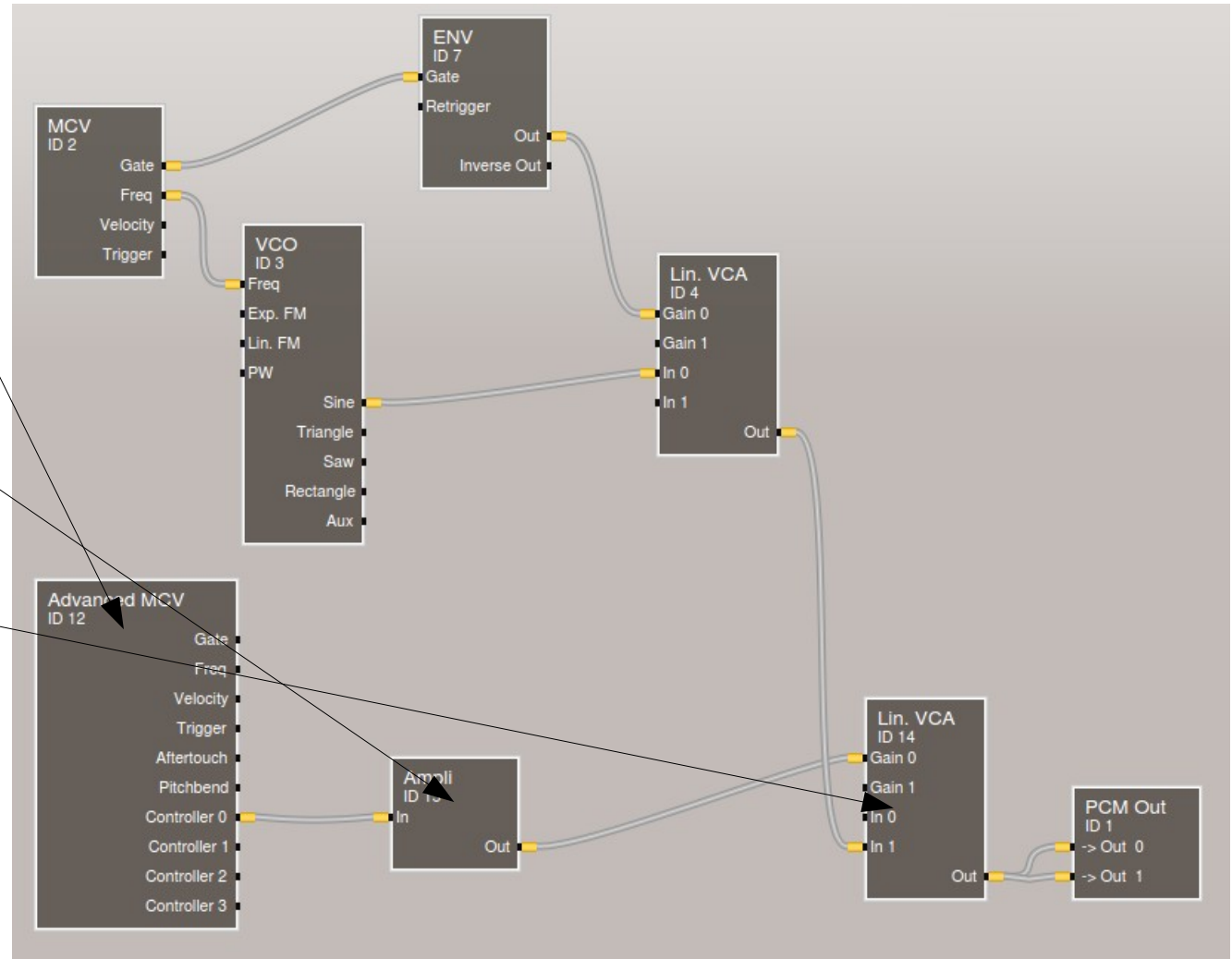
AMS

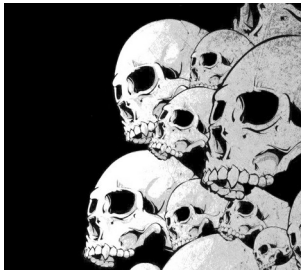
A MIDI Patch with controller

Advanced MCV: Midi Controlled Voltage Module to recover controller values

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

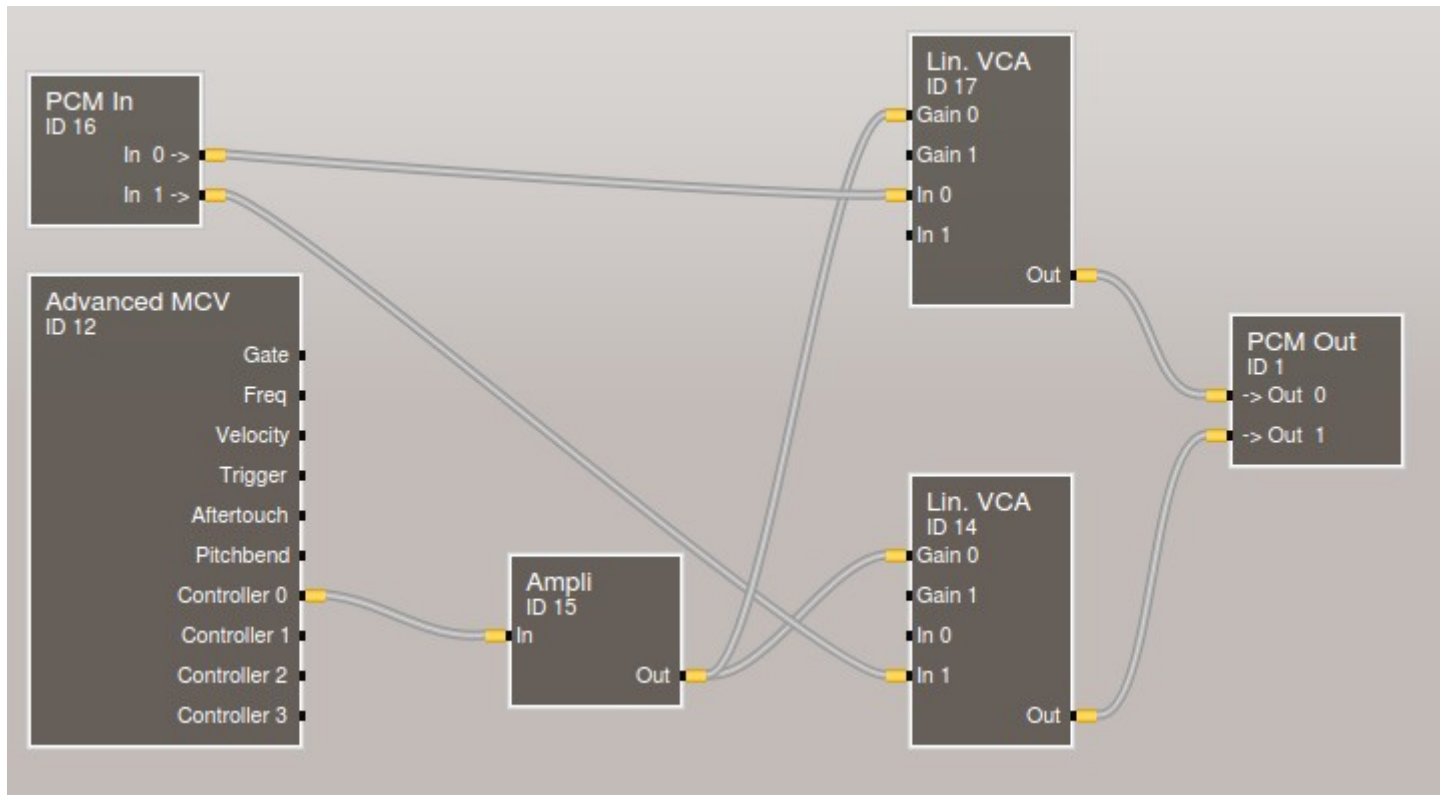
Lin VCA: allows you to modulate the amplitude of the signal by the value of the controller





AMS

Patch mixing MIDI and audio





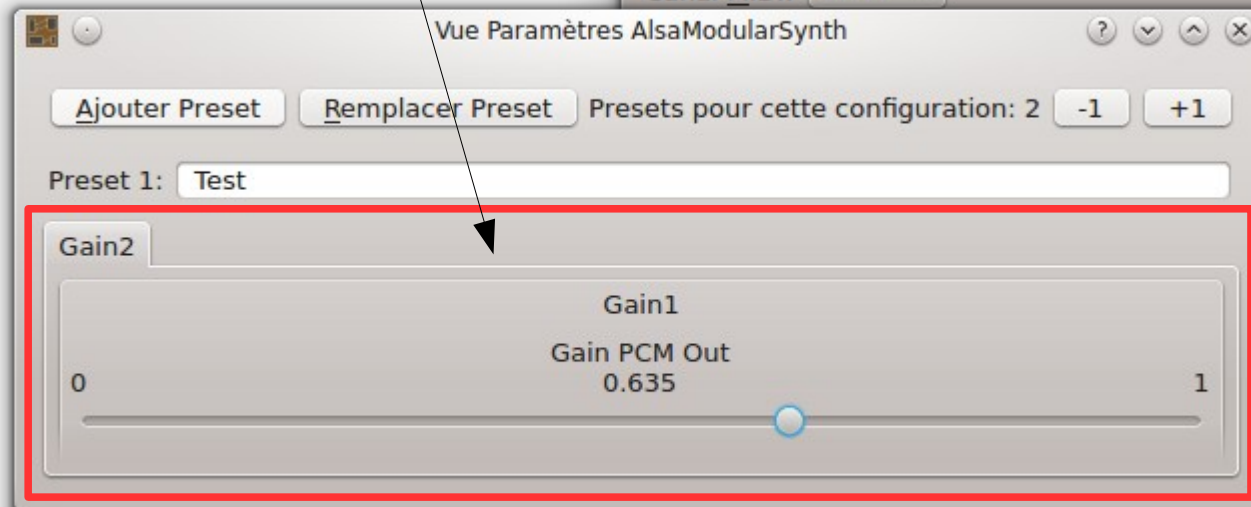
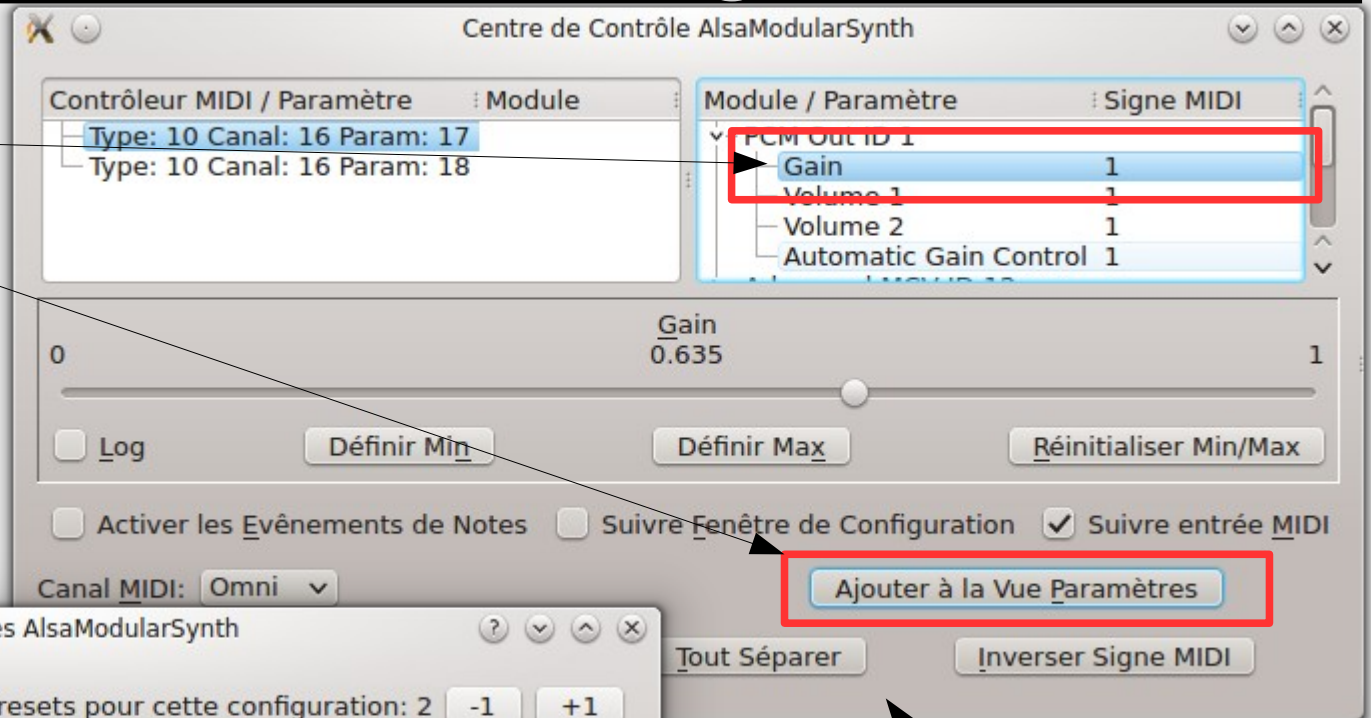
AMS

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