The synth has two larger modules, a granulator and an AM synth.

The AM synth allows for control of carrier frequency, modulator frequency, modulation depth, and gain.

The granulator takes in two sound sources, each of them an additive combination of three oscillators which can be controlled with frequency sliders, and one of them with delay that can also be controlled, and envelopes the sound sources in both stereo channels with a envelopes whose decay length is set as a controllable number of samples, which can be very small. This allows for very short grains, triggered at semi-random by no.sparse_noise(). The sparseness of the sample triggers and the length of each grain have knobs that control them.

The signal chain in *process* combines the am and granulator signals in such a way that the am synth signal becomes part of the input to the granulator as well as being its own independent sound.