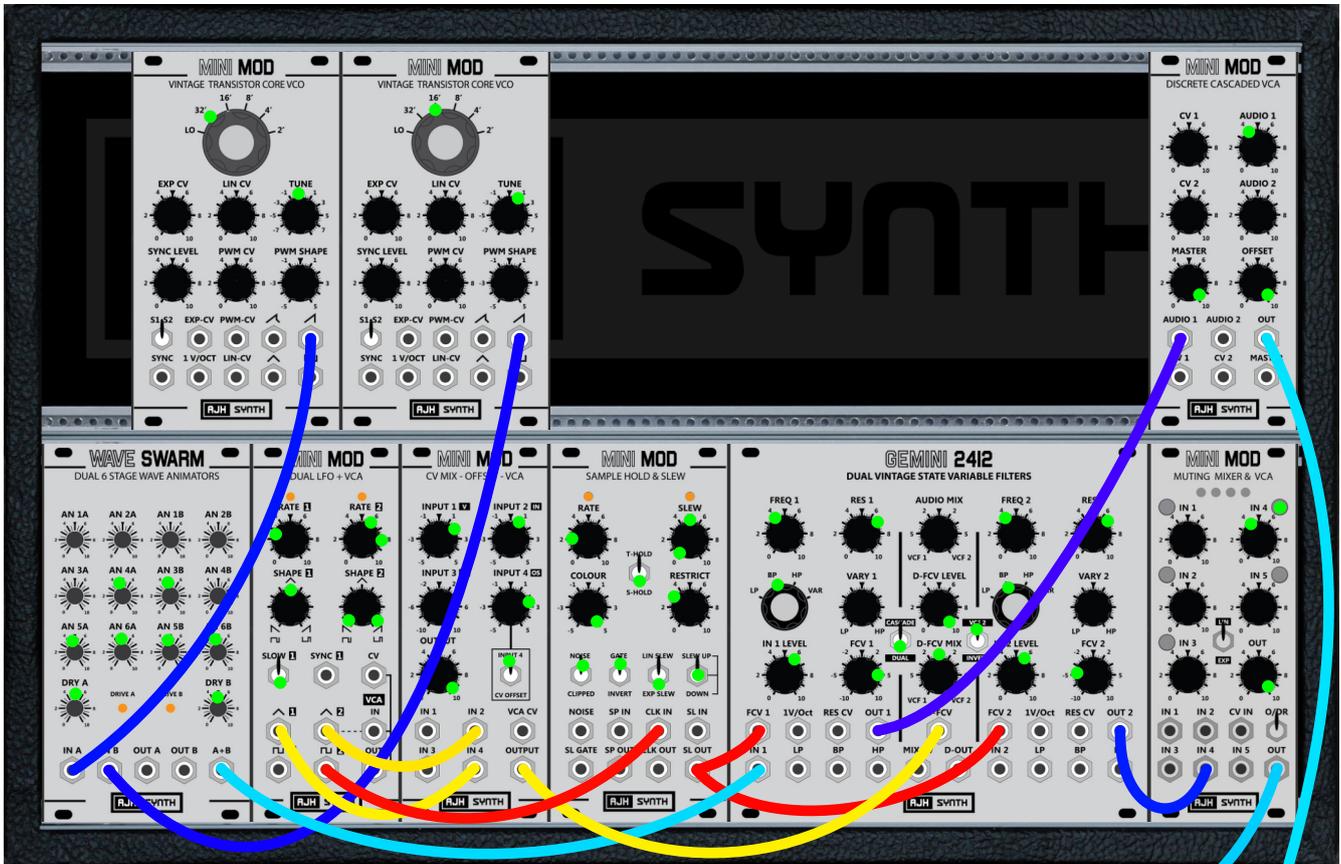


Stereo Gemini (3-way modulation)



Audio Channel 1 Audio Channel 2

Green dots show approximate pot and switch positions, and where there are two dots shows the range I move them during the performance. Pots and switches that do not have green dots are not used in this patch, and should be left at their zero or off positions.

VCO Tuning: Both are an octave apart, with the second VCO two semitones higher. I had a keyboard connected to them via the CV Bus, which set their base pitch, but it's not necessary for them to be connected to anything, just tune them accordingly by ear.

CV MIX: The triangle waves from the Dual LFO are connected to channels 2 and 4, because I'm also using the fixed voltage provided by channel 1 when nothing is connected to its input, and channel 3 has twice the gain output, so 2 and 4 are more suitable for fine adjustment.

Sample & Hold: During the video I connect the pulse output from LFO2 to the Clock In, then reduce the Slew to zero. Prior to that the S&H is using its own clock (Rate).

VCA: I'm using both a Discrete Cascaded VCA and a Muting Mixer & VCA to create a stereo pair, but any combination of these two can be used. You will need to find suitable and balanced output levels depending on your own setup, starting with the input levels very low and increasing to an optimum level.

Modules used: Vintage Transistor Core VCO (x2), Wave Swarm, Dual LFO, CV Mix, Sample & Hold & Slew, Gemini 2412, Discrete Cascaded VCA or Muting Mixer & VCA (x2).