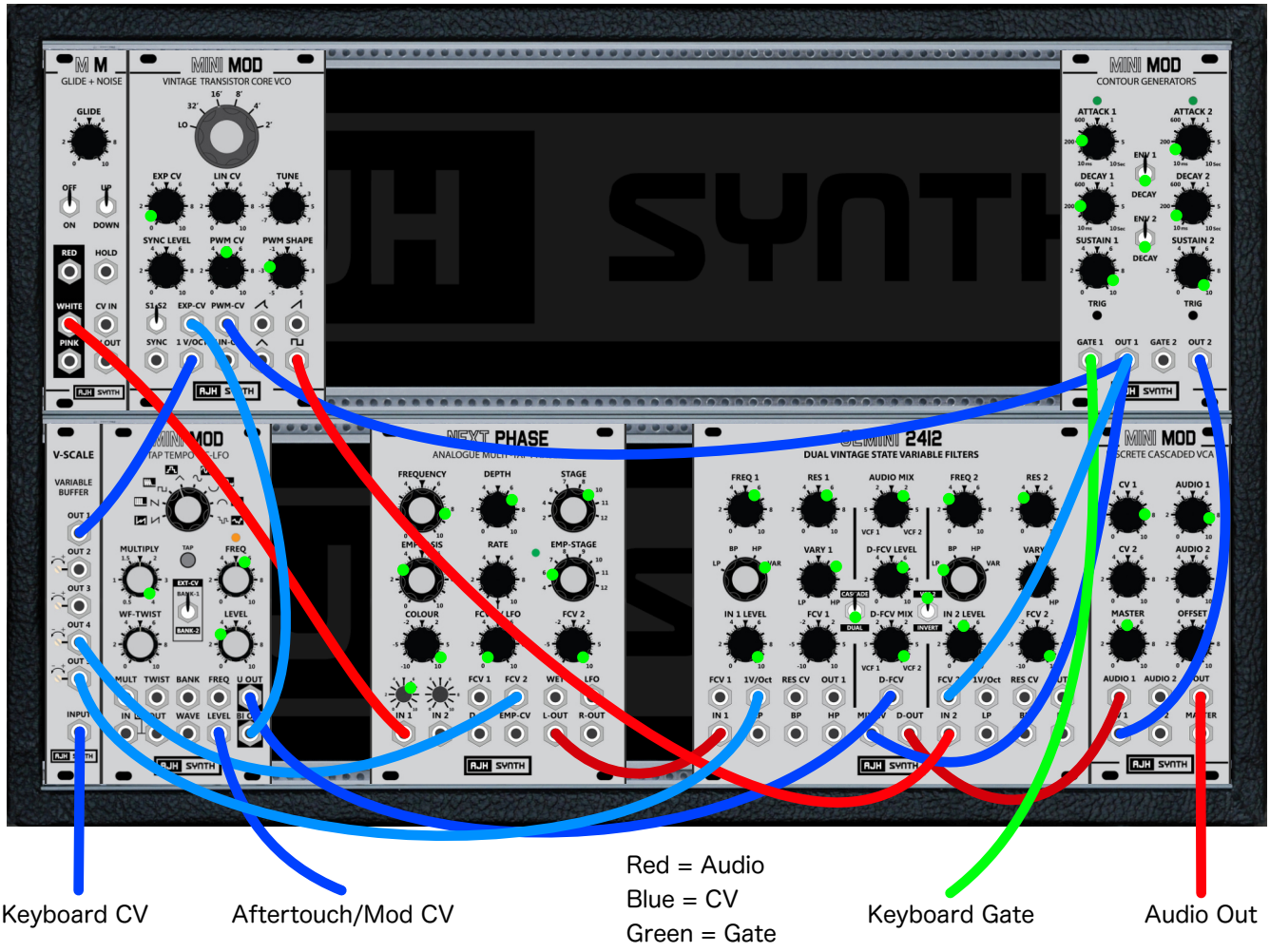
Patch of The Week

'Classic Flute'



Green dots show approximate pot and switch positions. 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. Multiple cables may branch from one output to different destinations, so here a multiple should be used.

This patch needs a lot of fine-tuning, so precise pot positions cannot possibly be illustrated, but this should serve as a starting point, from where further experimentation should be applied. The video tries to explain what is happening with the core modules, which should make it easier to understand what needs fine-tuning.

KEYBOARD: Here the controller's MOD output is used to send Aftertouch, but alternatively Velocity, or direct control from the MOD wheel/strip could be sent to the Dual LFO's CV input instead, depending on your controller and personal preference. In the video I also used the Glide module as 'slew' to soften the harsh changes in aftertouch CV from this particular controller, which may not be needed on others.

TAP TEMPO LFO: Because the base tempo is selectable by tap, the rate of the LFO will have to be set by ear.

VCO: If you don't wish to use the envelope to affect PWM, then PWM SHAPE will need to be set just below -1 - the envelope makes a subtle difference here, changing the shape of the VCO's sound slightly.

NEXT PHASE: This is optional, as the noise is heard subtly in this patch, and only becomes more apparent when the AUDIO MIX of the Gemini is in favour of VCF1 (noise) rather than VCF2 (VCO), but to my ears it makes the sound of the noise more similar (see video description).

GEMINI 2412: I'm using the 'high resonance' setting on VCF1. which is set by the rear jumper, or optionally using the Gain Switch (see User Guide video or manual on the website. Without it the resonance will need to be set to maximum, but still might not be quite enough.

Modules used from top-left to bottom-right: Glide + Noise, Vintage Transistor Core VCO, Contour Generators, V-Scale, Tap Tempo VC-LFO, Next Phase, Gemini 2412, Discrete Cascaded VCA.

For more information on modules and user manuals visit https://AJHSynth.com

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