

## VIOLET SYNTH PHASE MODULATED VIRTUAL SYNTHESIZER



**Violet Synth** is a three oscillator phase modulation virtual synthesizer. It can produce lush pads or powerful leads. It is available either as a standalone application or as VSTi for using in a host application such as Sonar, Cubase, Cantabile, Ambleton etc. Cantabile Lite is free and has great randomising functions.

*NB. The VSTi demo version introduces a sporadic noise into the output.*

There are three oscillators to create the carrier waves which can both be phase modulated by a sine wave. You can choose the carrier waveform and apply an attack, decay, sustain and release envelope whose amount can be adjusted. The Freq PM knobs control the phase modulation frequency, 0 is no modulation 1 is full modulation at half sampling rate. Oscillator 2 can be detuned. The output can be fed through three filter banks with cutoff, resonance and track as well as ADSRs' affecting the filters. Programs can be

saved. Programs/banks can be saved as text files or as fxp/fxb files using the host program for vsti. Please set midi and audio preferences in standalone version first. In the VSTi the host settings fixes these parameters. I appreciate feedback and ideas for additions or modifications. Also additional programs/banks welcome. I will host on my site.

website. <http://myweb.tiscali.co.uk/pryer/>

PC Specs. Windows XP or 7 - Laptop or PC - ideally >2gb ram and >2ghz processor. May run on a netbook depending on specs.

### **Main features**

1. Click on red LED to clear audio – panic button
2. Oscillator 1, 2 and 3 have a choice of waveforms. Sine, square, Sawtooth, triangle and noise.
3. Osc 2/3 Pitch – adjust by up to +- 5 octaves, semitone and fine. Slightly detuning richens sound.
4. Adjust polyphony from 1 to 128 notes
5. 2 Envelopes per oscillator control volume and cut-off frequency
6. Filter – cut-off and resonance – filter type selectable. Polyphony 1 to 128 notes.
7. 88 note on-screen keyboard activated by mouse or use PC keyboard keys or even better your own external midi keyboard. Full 128 midi notes accessible.
8. A stereo ping pong delay enriches the sound.
9. Stereo reverb
10. Stereo chorus
11. See fractal sequencer/composer which can be used with synth and midi yoke freeware to connect.
12. Program/bank load and save.
13. There are 20 factory sounds preloaded in the synth out of the 40 available program slots in each program bank. Programs/banks can be saved/loaded as text files or as fxp/fxb files using the host program or menu in standalone version. Midi enabled

14. In standalone set midi/audio/zoom feature at top of window. Direct Sound and ASIO output selectable.
15. In VSTi - host (Sonar, Cubase, Cantibil, Ambleton etc.) controls the parameters above.
16. In VSTi multiple instances of synth can be run.
17. For VSTi place .dll in your normal virtual instrument folder.
18. For more information email me at [stuartpryer@tiscali.co.uk](mailto:stuartpryer@tiscali.co.uk)

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