

## BLUE SYNTH - PHASE MODULATED VIRTUAL SYNTHESIZER



**Blue Synth** is a **free** two 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, Ableton etc.

There are two oscillators to create the carrier waves which can both be phase modulated by a sine wave. The polyphony can be adjusted between 1 and 128 notes. 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 two filter banks with cutoff, resonance and track as well as ADSRs' affecting the filters. Programs can be saved.

There are 10 factory sounds preloaded in the synth courtesy of Yoa out of the 20 available program slots in each program bank. 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 ( direct sound or ASIO) in standalone version first. In the VSTi the host settings fixes these parameters.

The download is free. All I ask is for 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. Should run on a netbook depending on specs.

### **Main features**

1. Click on red LED to clear audio – panic button
2. Oscillator 1 and 2 have a choice of waveforms. Sine, square, Sawtooth, triangle and noise. 1 to 128 note polyphony.
3. Osc 2 Pitch – adjust by up to +- 5 octaves, semitone and fine. Slightly detuning richens sound.
4. 2 Envelopes per oscillator control volume and cut-off frequency
5. Filter – cut-off and resonance – filter type selectable. Polyphony 1 to 128 notes.
6. 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.
7. A stereo ping pong delay enriches the sound.
8. See fractal sequencer/composer which can be used with synth and midi yoke freeware to connect.

Program/bank load and save.

9. There are 20 factory sounds preloaded in the synth courtesy of Yoa (see link below) 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
10. In standalone set midi/audio/zoom feature at top of window.
11. In VSTi - host (Sonar, Cubase, Cantibil, Ambleton etc.) controls the parameters above.
12. In VSTi multiple instances of synth can be run.
13. For VSTi place .dll in your normal virtual instrument folder.
14. For more information email me at [stuartpryer@tiscali.co.uk](mailto:stuartpryer@tiscali.co.uk)

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*Special thanks to Yoa, who helped with creating the presets and demo songs, as well as beta testing.*

*<https://www.facebook.com/pages/Yoa/225581710813417> . Soundcloud (<http://soundcloud.com/yoa01>) and blog (<http://siryoa.blogspot.com/>).*