

SH-1000 VIRTUAL SYNTHESIZER Ver 1.8



The SH-1000 is an emulation of the Roland SH-1000 synthesizer first released in 1973 and which was Rolands first synth. Its successor was the SH-2000 but that was designed to be more of a preset instrument and had far less flexibility. The SH-1000 was used by Blondie, The Band, Jethrow Tull, The Human League and Eddie Johnson (Roxy Music) as well as many others. This was also the first synth I owned.

It is available either as a VSTi for use within a host such as Sonar, Cantabile, Cubase, Ambleton etc. or as a stand alone application. SP-1000 website.

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

PC Specs. Windows XP , 7 , 8 or 10 - Laptop or PC - ideally >2gb ram and >2ghz processor. May run on a netbook depending on specs and polyphony and ADSR release time chosen.

Demo limitations.

1. Monophonic
2. Unable to save or load preset programs or banks
3. Unable to adjust volume of 32', 16' and 2' waveforms.
4. Unable to adjust Growl or Waw settings
5. Unable to adjust envelope ADSR

Main features of full version

1. Click on red LED to clear audio – panic button
2. Tremolo – cyclic variation in volume – choose waveform, depth and speed
3. Noise – adjust cut off frequency and resonance of noise generator. Originally just white/pink option.
4. Pitch – adjust by up to +- 5 octaves, semitone and fine. Original just had option to raise or lower by 1 octave.
5. Vibrato – cyclic variation in frequency. Choose waveform depth and speed. Original had only 2 waveforms.
6. Growl – phase modulation. Waw cut off frequency modulation
7. Portamento – when polyphony set to 1 notes glide in frequency. When polyphony set higher say 2. When third note played first note glides to it. Original SH-1000 was monophonic.
8. Envelope controls volume and cut-off frequency
9. Filter – cut-off and resonance – filter type selectable. Original was just low pass.
10. Volume controls output amp
11. Polyphony 1 to 128 notes. Original monophonic
12. Waveform mixer – adjusts each waveform volume. Original on/off only
13. Pitch bend wheel. Original glide button
14. 3 octave on-screen keyboard activated by mouse or use PC keyboard keys or even better your own external midi keyboard. Full 128 midi notes accessible. Original limited to 3 octaves with pitch raise/lower by 1 octave.
15. Stereo Reverb. Original just had hold note until next note played.
16. See Fractal Sequencer for advanced sequencer features which can be used with SH-1000 and midi yoke freeware or LoopBe to connect. Original had simple Random Note generator.
17. Program/bank load and save. There are 64 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. Original had no option to save or load settings.
18. Midi enabled – Original no midi.
19. In standalone set midi/audio/zoom feature at top of window.

20. In VSTi - host (Sonar, Cubase, Cantabile, Ableton etc.) controls the parameters above.
21. In VSTi multiple instances of synth can be run.
22. Ver 2 has updated routines for Pulse Waveform reducing CPU load. If the load is still too high reduce release time of the ADSR envelope to the 9 o'clock position and/or Polyphony. I run it on a netbook!
23. For VSTi place sh1000vxx.dll in your normal virtual instrument folder.
24. For more information email me at stuartpryer@tiscali.co.uk

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*Special thanks to Yoa, who helped with creating the demo song, as well as beta testing. <https://www.facebook.com/pages/Yoa/225581710813417> .
Soundcloud (<http://soundcloud.com/yoa01>) and blog (<http://siryoa.blogspot.com/>).*