Sinthecyza! 4.2

Tri-Envelope Sub Osc PD Synth



MAIN SYNTH SECTION – The Main and Sub oscillators have 2 sets of 8 matching waves (the waves on the left are for the Main osc, and the Sub osc's are on the right). The modulation of Main oscillator can be varied using the Mod control. The synth is 6-note polyphonic but can also be run in single note mode (Mono). The Velocity and Keyboard controls adjust the sensitivity of there respective parameters – the higher the value the greater the sensitivity (In the case of the Kbd control the higher the value the lower the volume the further up the keyboard you play). The Glide control adjusts the Portmento.

FILTER SECTION –
The Filter Envelopes follow the DAHDSR format and have independent control of the filters frequency and resonance. Each envelope can be inverted (clicking on the darkened 'Inv' button) and can be scaled and offset within the available Frequency or Resonance ranges. The scale of the envelope is determined by the Level control and its Offset by the OS control. The filter also has Keyboard Following (KF control) for both the Frequency and Resonance, the higher the reading of the KF control the more closely the filter tracks the keyboard.

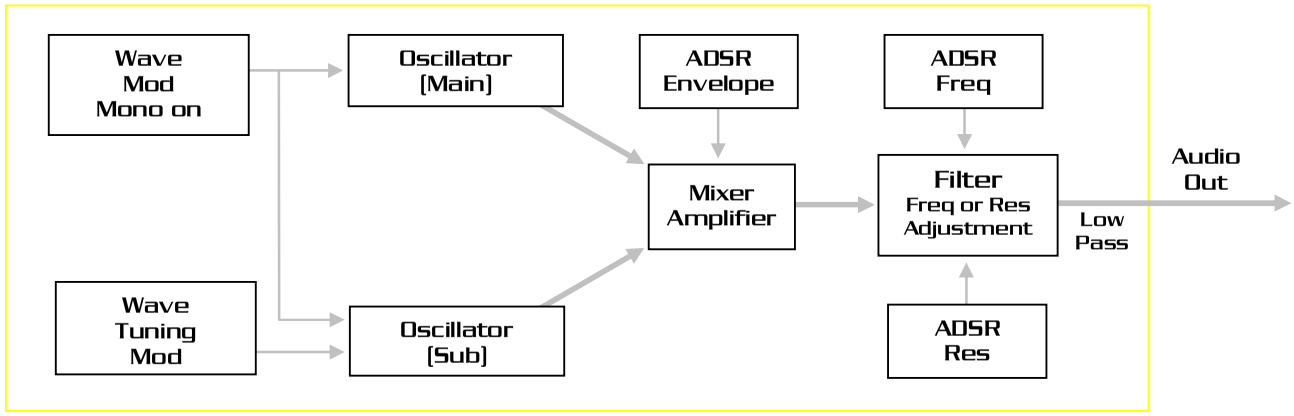
SUB OSC SECTION – The Sub Oscillator is tuned one octave below the main osc, and can be detuned, modulated and adjusted for relative level.

ENVELOPES – All the Delay, Attack, Hold, Decay and Release readouts of the envelopes are calibrated in seconds

AMP SECTION – An AHDSR Envelope controls The Amp and its overall output level.

All Rotary Controls can be reset to their default positions by clicking on their labels

Block Diagram [Synth Section]



MIDI IMPLIMENTATION

Controller Number	Control
65	Amp Attack
66	Amp Hold
67	Amp Decay
68	Amp Sustain
69	Amp Release
70	Amp Level
71	Sub Level
72	Sub Modulation
73	Sub Tune
74	Frequency Delay
75	Frequency Attack
76	Frequency Hold
77	Frequency Decay
78	Frequency Sustain
79	Frequency Release
80	Frequency Level
81	Frequency Offset
82	Frequency Key Follow
83	Frequency Invert
84	Resonance Delay
85	Resonance Attack
86	Resonance Hold
87	Resonance Decay
88	Resonance Sustain
89	Resonance Release
90	Resonance Level
91	Resonance Offset
92	Resonance Key Follow
93	Resonance Invert
94	Wave 1 Main Osc
95	Wave 2 Main Osc
96	Wave 1 Sub Osc
97	Wave 2 Sub Osc
98	Modulation
99	Velocity Sensitivity
100	Keyboard Sensitivity
101	Glide
102	Mono On

VST Plug-In Technology by Steinberg.
www.steinberg.net

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Quick Update for Previous Users: There are no major changes to version 4.2 apart from an internal improvement to the filter arrangement and a couple of bug fixes.

Any comments, problems, suggestions, large quantities of unwanted cash or phone numbers of unattached female millionaires to: sonicassault@ntlworld.com

Now the bit to keep the lawyers off me back.
This program is FREE; it cost zilch, nothing, not a penny, a dime, a euro. Therefore, You use it at your own risk. Because if you think your gonna shove your self-serving capitalist laws down my throat if something goes wrong, think again. It ain't gonna happen. A friendly word of advise though, as this synth is capable of producing some speaker damaging frequencies and levels, as are a lot of effect and synth plug-ins, keep the volume DOWN whilst experimenting with this, or any other plug-in. Alternatively, use someone else's speakers! [Snigger, Snigger... Only kidding].

Thanks to: Jeff McClintock [Damn fine proggy, Oh great one!], David Haupt, Chris Kerry, Dan Worrall [For some well useful modules] and all the developers involved in SynthEdit.

Jez