



WaveX

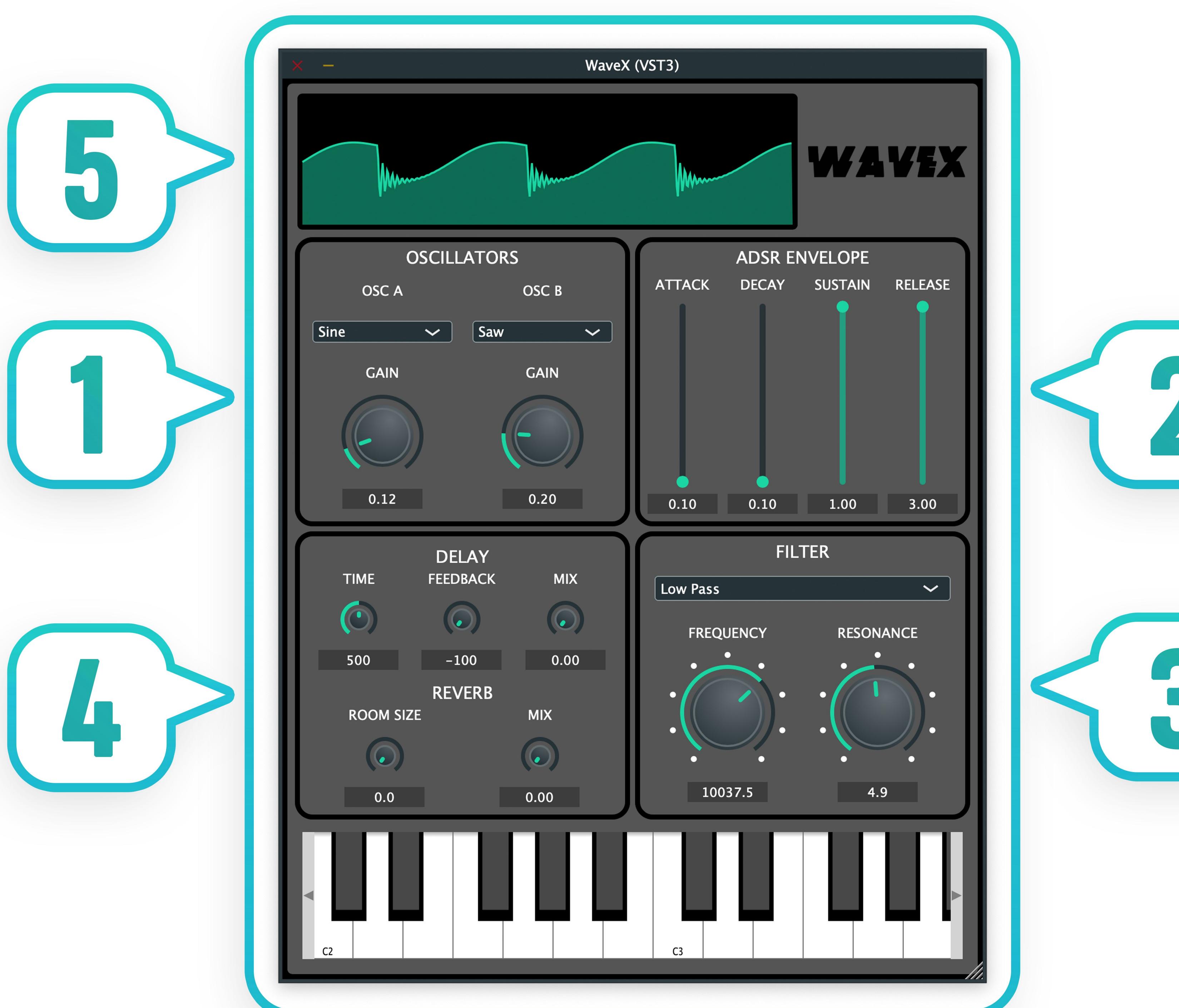
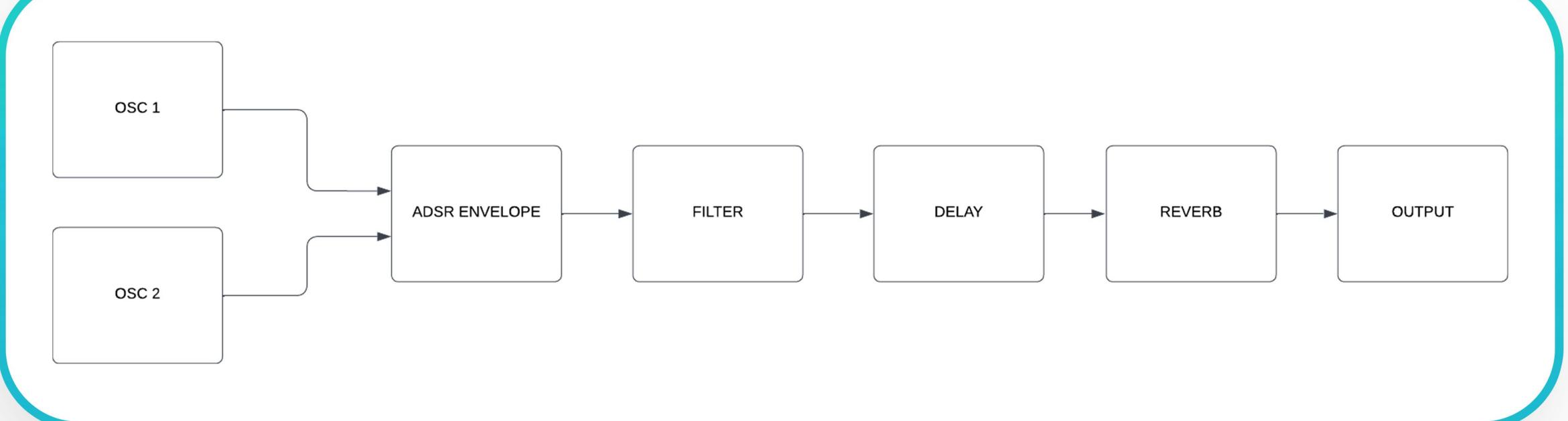
George Harrison

DESCRIPTION

WaveX is a virtual software synthesizer in the VST (virtual studio technology) format. It can be used to design and generate sounds for use in music production. WaveX can be run as a VST plugin within most DAWs (digital audio workstations), which is the software typically used for music production. WaveX is perfect for music producers and sound designers.

SYNTH DESIGN

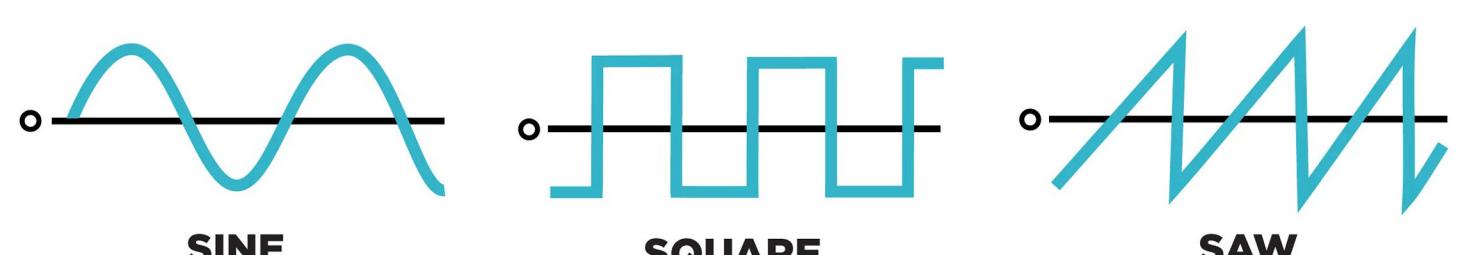
WaveX uses subtractive synthesis and a variety of components to help produce a wide range of sounds. WaveX has up to 8 voice polyphony. The signal chain below illustrates the flow of audio processing within WaveX.



1. OSCILLATORS

- 2 oscillators make up the sound source

- 3 wave types for each osc

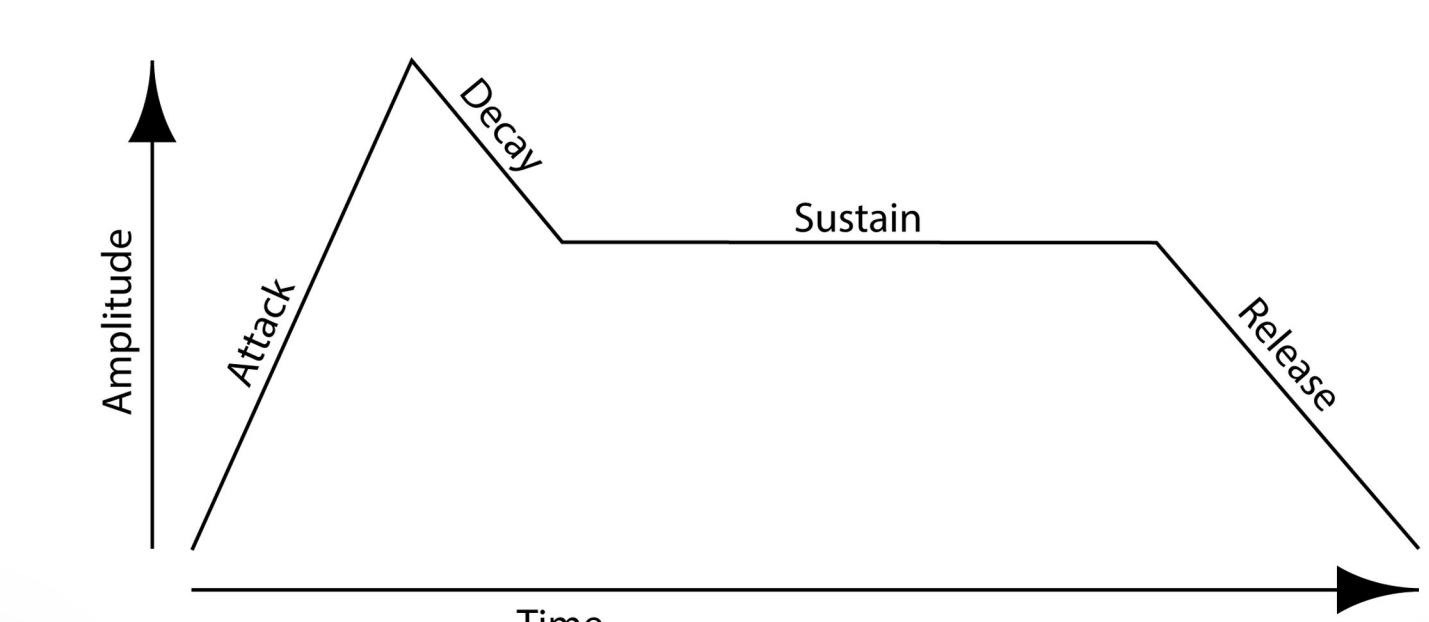


- Gain control to adjust each osc's volume

2. ADSR

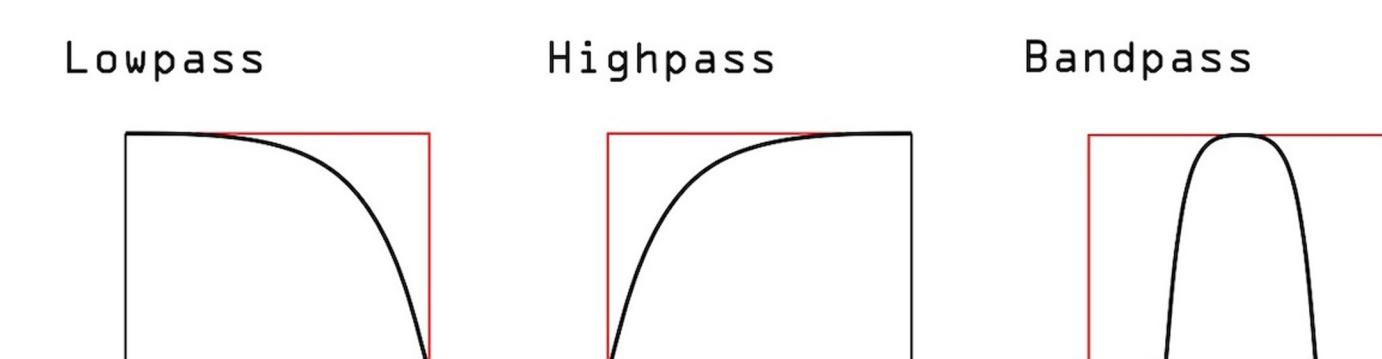
- Controls volume of the sound over time

- Attack, decay, sustain, release



3. FILTER

- 3 filter modes



- Controls for frequency and resonance

4. EFFECTS

- Delay adds an echo-like effect

- Controls for time and feedback

- Reverb adds a spacey effect

- Controls for room size

- Mix controls to dial in effected signal as desired

FUTURE PLANS

Two features to further improve WaveX's capabilities in the future would be a preset browser and LFO (low frequency oscillator). A preset browser would allow users to save and recall sounds they create. An LFO would expand the sound design capabilities, allowing the user to modulate any parameter of the synth.

TECHNOLOGIES



5. VISUALIZER

- Provides live, visual feedback of your sound as you create it