

## Pulsaret v.1.0

Microsound Prototypes Granular Synthesis: Glisson, Pulsar, Grainlet, Trainlet

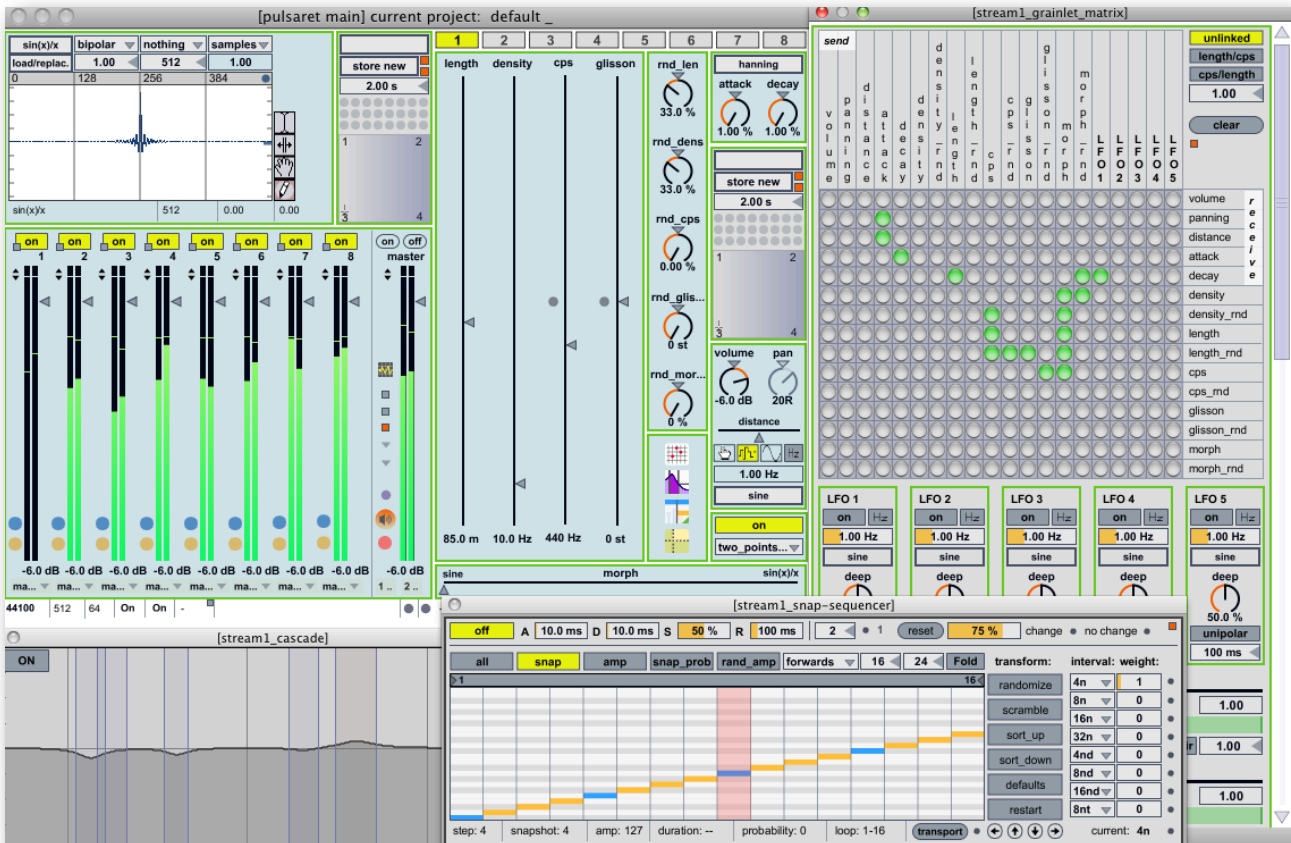
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Pulsaret is a new interactive real-time program for asynchronous/synchronous prototypes granular synthesis. Pulsaret implements a wide range of time-domain varieties of granular synthesis: glisson, grainlet, trainlet pulsar etc... Sound disintegration, pulverizer, sampled envelope "convolution", dynamic draw envelope/shape, interpolation-transitions and Hyper Vectorial pads they simplify the creation of incredible sound objects. All parameters are controllable via MIDI learning/rescale and OSC network. Matrix & LFO provide a powerful way to connect one parameter with a dependent parameter/s, implementing all grainlets kind.



- .eight granular streams simultaneously
- .envelope/windowing manage up to 16 pre-generated shape (prototypes)
- .envelope/windowing loading and manage up to 12 sound-files (aiff,wav,mp3)
- .dynamic envelope buffer load/save, normalize, trim, resize length etc...
- .main mixer 8 channels + 1 master, solo/mute and VST slots, Master cascade~ filter
- .multichannel I/O mapping
- .quick-record export master channel and/or multichannel file streams, progressive file autaname, select directory and re-sampling/quantize out file
- .snapshots (presets) memory: up to 100 for each stream and 10 for the main mixer and global snapshots
- .simultaneously (streams and main) transition (interpolation) between snapshots (in a given time)
- .clients manage: include/exclude widgets from transitions
- .four draw table for transitions curves
- .micro-pad interpolating between four snapshots
- .HV\_pad (i.e. hyper vectorial pad), 9 snapshots pad (4 pad near), and auto-explorer (spiral, dunk, reflects) engine
- .MIDI/OSC input mapping: learn/manual, rescale range and exponential curve
- .MIDI/OSC output sync: enable/disable, continuously or mouse up send
- .fully managing the project (as a folder), save/save as and load
- .drag and drop on windowing wave-pads (audio files or folder) to fill menù sound files or project folder in main windows to load project

- .stereo panning rotation: pan, jitter, lfo (shape/hz)
- .panning time, note based sync.keyboard frequency select (streams)
- .windowing sound files consolidate (copy buffers in the prj folder)
- .every stream can deforming own windowing envelope (attack/decay)
- .global presets, manage all Pulsaret widgets together
- .snapshots list, consecutive rename
- .global transport time
- .snapshots sequencer rhythms improviser unit
- .windowing deformation shape MIDI/OSC
- .clue windows, report widgets information under the mouse
- .matrix parameter linkage, rescale and LFO modulation range in Grainlet Synthesis
- .pulsaret length/cps and vice-versa dependency
- .cascaded series of biquad filters for each stream
- .simply signal-oscilloscope, that allows you to monitor the visual progression of master waveform

Platform Requirements:

Mac OS X (10.4 or higher; G5 or Intel faster recommended);

Windows XP/Vista/7;

QuickTime to enable mpeg support.

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