

REASON

“Welcome to Reason...a complete ‘virtual studio’ that has all of the devices and music gizmos of a \$10,000-\$20,000 facility – and lives in the tiny space of your computer's hard drive.”

– Joe Lyford, *Reason 3 for Windows and Macintosh*¹

Terms & Concepts

<p>Getting Started Import MIDI file Window (Show/Hide): - Rack/Sequencer/Mixer - Browser - Transport - Tool Window - Spectrum EQ Detach windows Back of the Rack, <i>tab</i> key Create menu, or <i>drag and drop</i></p> <p>Redrum Drum Machine Loading drum kits & samples Working with drum kits Pattern sequencer Tweaking the samples: - Velocity - Pan - Pitch - Length - etc. Edit > Copy Pattern to Track Humanize (see Alter Notes)</p> <p>Browser Sound Banks & Settings: - Factory Sounds - Orkester Sounds - Refills</p> <p>Rack: Instruments - Redrum - ID8 (GM compatible) - NN-XT adv. sampler - Mimic creative sampler - Monotone bass synth - Radical piano - SubTractor analog synth - Thor polyphonic synth - Malström graintable synth - Europa shapeshifting synth - Pangea/Humana/Klang - etc.²</p>	<p>Transport Play/pause (space bar) Stop Tempo Meter Loop On/Off Record mode - Click/Precount enable - Quantize (Q Record)</p> <p>Sequencer Timeline Playhead Loop markers Audio Track & Mix Channel MIDI Clip - Snap (to bar, ¼, etc.) - Delete, Opt. copy, Ctl.-Click Song/Block mode Edit mode - Selection tool - Pencil tool - Eraser tool - Razor tool - Magnify tool - Hand tool Zoom in/out Selecting/copying/moving notes Lanes - Key velocity - Drum - Controller</p> <p>Tool Window - Transpose - Quantize - Velocity - Alter Notes (Randomize) - etc.</p> <p>Automation Controller, Tempo & Mixer</p>	<p>Rack: Effects Convolution reverb unit: RV7000 MkII Delay units: DDL-1 & The Echo Distortion units: Scream 4 & Pulveriser Chorus/flanger: CF-101 Phaser: PH-90 Triple filtered gate: Alligator Vocoder: BV512 MClass Mastering Suite - Compressor - Limiter (Maximizer) - Stereo imager</p> <p>Mixer SSL 9000k mixer - Master-bus compressor - Window > Spectrum EQ - Cmd-Click (reset parameter) Mute(M)/Solo(S) Pan Equalization (EQ) Dynamics Mixing range (0-127) Unity gain (100) Headroom Aux. channel (Send/Receive) Submixing - Mackie inspired 14-2 mixer</p> <p>Input/Output Audio Hardware Interface Reason > Preferences - Audio/MIDI - Keyboards and Control Surfaces - Virtual MIDI channels</p> <p>File > Save as... Reason song file (.reason) Export audio file (.wav or .aif)</p>
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¹ Joe Lyford, *Reason 3 for Windows and Macintosh* (Berkeley, CA: Peachpit Press, 2005).

² For a more complete listing of Reason's Instrument & Effects (with links to MicroTutorials), see:
<https://www.reasonstudios.com/en/reason/instruments-effects>

BAIN MUSC 336
Introduction to Computer Music

Show On-screen Piano Keys		
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