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

Getting Started
Import MIDI file
Window (Show/Hide):
   - Rack/Sequencer/Mixer
   - Browser
   - Transport
   - Tool Window
   - Spectrum EQ
Detach windows
Back of the Rack, *tab* key
Create menu, or *drag and drop*

Redrum Drum Machine
Loading drum kits & samples
Working with drum kits
Pattern/step sequencer
Tweaking the samples:
   Velocity, Pan, Pitch, Length, etc.
Edit > Copy Pattern to Track
Humanize (see Alter Notes)

Browser
Sound Banks:
   - Factory Sound Bank
   - Orkester Sound Band
   - Drum Supply
   - Loop Supply

Instruments
   - ID8 (GM compatible)
   - NN-XT adv. sampler
   - Mimic creative sampler
   - Monotone bass synth
   - Polytone dual-layer synth
   - Radical piano
   - SubTractor analog synth
   - Thor polyphonic synth
   - Europa shapeshifting synth
   - Malström graintable synth
   - Grain sample manipulator
   - Pangea/Humana/Klang, etc.[2]
   - Drums: Redrum, Kong,
     Rytmik & Dr. Octo Rex

Transport
Play/pause (space bar)
Stop
Tempo
Meter
Loop On/Off
Record mode
   - Click/Precount enable
   - Quantize (Q Record)
Show On-screen Piano Keys

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

Tool Window
   - Transpose
   - Quantize
   - Velocity
   - Alter Notes (Randomize)
   - etc.

Automation
Controller, Tempo & Mixer

Effects
RV7000 MkII Convolution
   Reverb
Ripley Space Delay
Delay & Echo:
   DDL-1 & The Echo
Distortion units:
   Scream 4 & Pulveriser
Chorus: Quartet
Chorus/flanger: CF-101
Phaser: PH-90
Vocoder: BV512
MClass Mastering Suite:
   - Compressor
   - Limiter (Maximizer)
   - Stereo imager

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

Input/Output
Audio Hardware Interface
Reason > Preferences
   - Audio/MIDI
   - Keyboards and Control
     Surfaces
   - Virtual MIDI channels

File > Save as...
Reason song file (.reason)
Export audio file (.wav or .aif)

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[1] Joe Lyford, *Reason 3 for Windows and Macintosh* (Berkeley, CA: Peachpit Press, 2005).
[2] For a complete listing of Reason's Instrument & Effects (with links to MicroTutorials), see:
https://www.reasonstudios.com/en/reason/instruments-effects