Table of Contents

Introduction	9
Forewords	
A Brief History of this Guide	10
How to Use this Book	10 11
A Brief History of Reason Common Device Settings	13
Device Foldout Arrows	
Patch / Sample Loading & Saving	
Device File Saving / Loading Chart	
Devices	15
Hardware Interface	16
Master Section	19
Instruments	0.4
Kong Drum Designer	22
Redrum Drum Computer	35
Thor Polysonic Synthesizer	38
SubTractor Analog Synthesizer	47
Malstrom Graintable Synthesizer	
ID8	E2
Dr Octo Rex Loop Player	54
NN-XT Advanced Sampler	57
NN-19 Digital Sampler	62
External MIDI Instrument	65
Creative FX	67
Pulveriser Demolition	68
The Echo_	
Alligator Filter Gate	72
Scream 4 Distortion	74
BV512 Digital Vocoder	75
Studio FX	77
RV7000 Advanced Reverb	78
Neptune Pitch Adjuster	81
Line 6 Guitar Amp	83
Line 6 Bass Amp	84
MClass Equalizer	
MClass Compressor	86
MClass Maximizer	87
MClass Stereo Imager_	88
MClass Suite	89
Putting the MClass Devices Together	
RV-7 Digital Reverb	
DDL-1 Digital Delay Line	
D-11 Foldback Distortion	92
ECF-42 Envelope Controlled Filter	92
CF-101 Chorus / Flanger	
PH-90 Phaser	94
UN-16 Unison	94
Comp-01 Compressor / Limiter	95

Table of Contents (Cont'd)

PEQ-2 Two Band Parametric EQ	95
Utilities	07
Combinator	
RPG-8 Monophonic Arpeggiator	
Matrix Pattern Sequencer	
Head to Head: Matrix vs. Thor Step Sequencer	
Spider Audio Merger & Splitter	106
Spider CV Merger & Splitter	
Mixer 14:2	107
Note : Midi : Frequency : Main Mixer Conversion Chart	109
Line Mixer 6:2	110
Mix Channel Pouting Options	
Routing Options	
Audio TrackSpectrum EQ Window (New in 7.0)	116
Rack Extensions Rack Extension Master List	118
AutoTheory Harmonic Engine	122
Audiomatic Retro Transformer_	
Polar Dual Pitch Shifter	126
Etch Red	128
Buffre Beat Repeater	130
Pulsar Dual LFO	
Shelob Audio Bypass Splitter	135
Directre Audio Router	
Tutorials_	120
Basic Tutorials_	141
Understanding MIDI & CV	
Mono, Poly & Stereo Audio and FX Routing	
Serial & Parallel Audio Routings	
Insert vs. Send FX Routing	148
Isolating Send Effect Returns	150
Understanding Synthesis Models & Oscillators	
Understanding Filters	153
Understanding Envelopes & LFOs	
Understanding Modulation	158
Organizing your Reason Files	161
Creating True Initialized Patches	
Assorted Sample Libraries in the NN-XT	166
Using Templates	
Reusable Device Toolbox Repository	171
Utility-Based Tutorials	173
Viewing CV Values in a Tooltip in Real-Time	
Viewing CV Values in a Numeric Display in Real-Time	
Velocity Layering & Key Splits in the Combinator	
Button Switching Audio In the Combinator	
Turning Combinator Buttons into Radio Buttons	
Creating a Better Kong Drum Template	181

Table of Contents (Cont'd)

Creating Kong Pad Banks	183
Automating Non-Automatable Parameters in Kong	186
Modulating Parameters without CV Inputs	187
Momentary vs. Latched Key Triggering	
Switching Resolution in the Matrix_	
Extending the Length of Matrix & Thor Sequencers	
Linear & Scalar Crossfading using the Mixer Devices	
Crossfading Two Audio Sources using Thor	
Using Scream to Convert Audio to CV (Auto CV)	
Switching Between CV Sources	
CV Trim Rotary Control	
Crossfading Two Oscillators on Malstrom's Mod Wheel	
Controlling Aftertouch in the Malstrom	
Frequency Splitting Your Audio	
Multi-Band Splitting with the Stereo Imager	
	211
Sound Design Tutorials A Creek Course on Sound Design	
A Crash Course on Sound Design	
Filtering for the Redrum	214 215
Bass Sound Creation with the SubTractor	
Special Effect Sound Designs	
Creating Kick Drums	
Creating Snare Drums	
Creating Hi Hat Drums	223
Creating Tom Tom Drums	
Creative Kong Drum Designs	
Easy Kong Drum Rolls	
Creating Woodwind Sounds	
Creating Guitar Sounds with Thor	
Creating Layered Pad Sounds	
ChipTune Sound Designs	
Sci-Fi Sound Designs	241
Sweeping Anything	243
Creative Arpeggiator Ideas	
Beefing up your SubTractor Patches	
Thor Routing Techniques	
Stacking Modulated Filters	
Creating a Custom Grain Sampler	
Working with Performance & Velocity in Thor	255
Working with Key Tracking & Aftertouch in Thor	259
Sampling Anything	262
Reversing Anything	264
Glitching up your Redrum Kits	266
Auto-Panning Techniques	268
FX Design Tutorials	
Quick Tips for Effect Devices	
Quick Tips for Effect Devices II	
Creating a Basic Beat Repeater	277

Table of Contents (Cont'd)

Echoing Slices in a Parallel Processed Loop	279
Using The Echo Feedback Loop	
Setting up a Multi-Tap Delay with the RV7000	
Advanced Multi-Tap Delay Configurations	
Filtering Audio Through Thor's Global Filter	
Processing Audio Through Thor's Voice Filters	
Expanded Control of Thor via the RPG-8	
Using Multiple RPG-8s to Control a Single Device	
Using The Echo to Beef Up your Snares	292
Gated Neptune Synth Harmonizer	
Dr Octo Rex Alligator Gates	296
Alternate Distortion Ideas	298
Vocoding Using Two Rex Loops	
Punching Up your Drums	303
Auto-Wah Effect with the MClass Equalizer	305
Getting the Most from the ID8	307
Advanced Tutorials	309
Kong Keyboard Piano Roll	310
Switching Devices on a Combinator Rotary	
Spacing the Mix Left / Right & Front / Back	
Controlling Anything with your Kong Pads	
Cycling Effects on a Kong Pad	320
Creating a Mini Rex Loop / Bank Selector in Kong	322
Thor Button Step Sequencer Cycler	326
Creating a Four-Way Crossfader using Thor's Shaper	
Keyed FX Processor	329
Randomizing the Full MIDI Range	_332
Rack Extension Tutorials	339
Using Pulsar as a Synth (Method 1)	340
Using Pulsar as a Synth (Method 2)	
Polar Chord Progressions	
Polar Tape Stop Effect	244
Etch Red Filtering with Dr Octo Rex Gates	345
Creating a Dubstep Bass with Etch Red	347
Random Audiomatic Kong FX Selector	349
Using Buffre for Alternate Drum Changes	352
Sampled Drone Sound with Buffre	354