



REASON

3.0

→ MIDI Implementation Charts

STAND-ALONE MUSIC PRODUCTION INSTRUMENT

→ 14 Channel Expandable Mixer → Analog Polysynth → Grainable Polysynth → Digital Samplers → Mastering Tools → REX-loop Player → Drum Machine
→ ReBirth Input Device → Multiple Effects Processors → Combinator Device → Shelving and Parametric EQs → Master Song Sequencer → Pattern
Sequencer → 64 Channel Audio Output → 64 Channel ReWire Output → 512 Band Vocoder → CV Processing Tools → Full Automation → Total Recall

Reason 3.0 MIDI Controller Chart - Page 1

MIDI Contr. #	MIDI Controller Name	Mixer 14:2	NN-19	NN-XT	Subtractor	Malström	Redrum	Dr. Rex	CF-101 Chorus
0	ControlBankSelect								
1	ControlModulationWheel		Mod Wheel	Mod Wheel	Mod Wheel	Mod Wheel		Mod Wheel	
2	ControlBreathController			Mod Wheel 2*					
3	ControlUndefined3						Pattern Select		
4	ControlFootController								
5	ControlPortamentoTime		Portamento		Portamento	Portamento	Flam Amount		
6	ControlDataEntryMSB								
7	ControlChannelVolume	Master Level	Master Level	Master Volume	Master Level	Master Level	Master Level	Master Level	
8	ControlBalance	Channel 1 Level					Drum 1 Level		
9	ControlUndefined9	Channel 2 Level	Amp Env Decay	Amp Env Decay	Amp Env Decay	Oscillator B Decay	Drum 2 Level	Amp Env Decay	Enabled
10	ControlPan	Channel 3 Level					Drum 3 Level		
11	ControlExpressionController			Mod Wheel 2**					
12	ControlEffectControl1	Channel 4 Level	Amp Env Sustain		Amp Env Sustain	Oscillator B Sustain	Drum 4 Level	Amp Env Sustain	Delay
13	ControlEffectControl2	Channel 5 Level					Drum 5 Level		Feedback
14	ControlUndefined14	Channel 6 Level	Filter Env Attack		Filter Env Attack	Filter Env Attack	Drum 6 Level	Filter Env Attack	Rate
15	ControlUndefined15	Channel 7 Level	Filter Env Decay	Mod Env Decay	Filter Env Decay	Filter Env Decay	Drum 7 Level	Filter Env Decay	Modulation Amount
16	ControlGeneralPurpose1	Channel 8 Level	Filter Env Sustain		Filter Env Sustain	Filter Env Sustain	Drum 8 Level	Filter Env Sustain	
17	ControlGeneralPurpose2	Channel 9 Level	Filter Env Release		Filter Env Release	Filter Env Release	Drum 9 Level	Filter Env Release	
18	ControlGeneralPurpose3	Channel 10 Level	Filter Env Amount		Filter Env Amount	Filter Env Amount	Drum 10 Level	Filter Env Amount	
19	ControlGeneralPurpose4	Channel 11 Level	Filter Env Invert		Filter Env Invert	Filter Env Invert	Drum 1 Pan		
20	ControlUndefined20	Channel 12 Level	Sample Start		Osc1 Wave		Drum 2 Pan		
21	ControlUndefined21	Channel 13 Level	Osc Octave		Osc1 Octave	Oscillator B Octave	Drum 3 Pan	Osc Octave	
22	ControlUndefined22	Channel 14 Level	Osc Semitone		Osc1 Semitone	Oscillator B Semi	Drum 4 Pan	Transpose	
23	ControlUndefined23	Channel 1 Pan	Osc Fine Tune		Osc1 Fine Tune	Oscillator B Cent	Drum 5 Pan	Osc Fine Tune	
24	ControlUndefined24	Channel 2 Pan	Osc Env Amount				Drum 6 Pan	Osc Env Amount	
25	ControlUndefined25	Channel 3 Pan	Osc Kbd Track		Osc1 Kbd Track	Modulator A On/Off	Drum 7 Pan		
26	ControlUndefined26	Channel 4 Pan	LFO Rate		LFO1 Rate	Modulator A Rate	Drum 8 Pan	LFO1 Rate	
27	ControlUndefined27	Channel 5 Pan	LFO Amount		LFO1 Amount	Modulator A To Pitch	Drum 9 Pan	LFO1 Amount	
28	ControlUndefined28	Channel 6 Pan	LFO Wave		LFO1 Wave	Modulator A Curve	Drum 10 Pan	LFO1 Wave	
29	ControlUndefined29	Channel 7 Pan	LFO Dest		LFO1 Dest	Modulator A One Shot	Drum 1 Send 1 Amount	LFO1 Dest	
30	ControlUndefined30	Channel 8 Pan	LFO Sync Enable		LFO Sync Enable	Modulator A Target	Drum 2 Send 1 Amount	LFO Sync Enable	LFO Sync Enable
31	ControlUndefined31	Channel 9 Pan				Modulator A To Index	Drum 3 Send 1 Amount		
32	ControlLSB0 (Bank select)								
33	ControlLSB1 (ModWheel)	Channel 10 Pan	Filter Freq Mod Wheel Amount		Filter Freq Mod Wheel Amount	Mod Wheel To Filter	Drum 4 Send 1 Amount	Filter Freq Mod Wheel Amount	
34	ControlLSB2 (Breath)	Channel 11 Pan	Filter Res Mod Wheel Amount		Filter Res Mod Wheel Amount	Mod Wheel To Index	Drum 5 Send 1 Amount	Filter Res Mod Wheel Amount	
35	ControlLSB3 (Undefined)	Channel 12 Pan	Filter Decay Mod Wheel Amount		LFO1 Mod Wheel Amount	Mod Wheel To Modulator	Drum 6 Send 1 Amount	Filter Decay Mod Wheel Amount	
36	ControlLSB4 (Foot controller)	Channel 13 Pan	Amp Mod Wheel Amount		FM Mod Wheel Amount	Mod Wheel Target	Drum 7 Send 1 Amount	Amp Vel Amount	
37	ControlLSB5 (Portamento time)	Channel 14 Pan	LFO Mod Wheel Amount		Phase Diff Mod Wheel Amount	Mod Wheel To Shift	Drum 8 Send 1 Amount		
38	ControlLSB6 (DataEntry LSB)								
39	ControlLSB7 (Channel Volume)	Channel 1 Aux 1 Send	Pitch Bend Range		Pitch Bend Range	Pitch Bend Range	Drum 9 Send 1 Amount	Pitch Bend Range	
40	ControlLSB8 (Balance)	Channel 2 Aux 1 Send	Filter Freq Ext Mod		Filter Freq Ext Mod	Modulator A To Shift	Drum 10 Send 1 Amount		
41	ControlLSB9 (Undefined)	Channel 3 Aux 1 Send	LFO Ext Mod		LFO1 Ext Mod	Oscillator B On/Off	Drum 1 Send 2 Amount		
42	ControlLSB10 (Pan)	Channel 4 Aux 1 Send	Amp Ext Mod		Amp Ext Mod	Oscillator B Index	Drum 2 Send 2 Amount		
43	ControlLSB11 (Expression)	Channel 5 Aux 1 Send	Ext Mod Select		Ext Mod Select	Oscillator B Motion	Drum 3 Send 2 Amount		
44	ControlLSB12 (Effect control 1)	Channel 6 Aux 1 Send	FM Ext Mod		FM Ext Mod	Oscillator B Shift	Drum 4 Send 2 Amount		
45	ControlLSB13 (Effect control 2)	Channel 7 Aux 1 Send	Amp Vel Amount		Amp Vel Amount		Drum 5 Send 2 Amount		
46	ControlLSB14 (Undefined)	Channel 8 Aux 1 Send	Filter Env Vel Amount		Filter Env Vel Amount	Velocity To Filter Env	Drum 6 Send 2 Amount	Filter Env Vel Amount	
47	ControlLSB15 (Undefined)	Channel 9 Aux 1 Send	Filter Decay Vel Amount		Filter Decay Vel Amount	Velocity Target	Drum 7 Send 2 Amount	Filter Decay Vel Amount	
48	ControlLSB16 (General purpose 1)	Channel 10 Aux 1 Send	Amp Attack Vel Amount		Amp Attack Vel Amount	Velocity To Attack	Drum 8 Send 2 Amount		
49	ControlLSB17 (General purpose 2)	Channel 11 Aux 1 Send	Sample Start Vel Amount		FM Vel Amount	Velocity To Level B	Drum 9 Send 2 Amount		
50	ControlLSB18 (General purpose 3)	Channel 12 Aux 1 Send			Mod Env Vel Amount	Velocity To Level A	Drum 10 Send 2 Amount		
51	ControlLSB19 (General purpose 4)	Channel 13 Aux 1 Send			Phase Vel Amount	Velocity To Shift	Drum 1 Pitch		
52	ControlLSB20 (Undefined)	Channel 14 Aux 1 Send			Filter2 Freq Vel Amount	Velocity To Modulator	Drum 2 Pitch		
53	ControlLSB21 (Undefined)	Channel 1 Aux 2 Send			Mix Vel Amount	Oscillator B Gain	Drum 3 Pitch		
54	ControlLSB22 (Undefined)	Channel 2 Aux 2 Send				Filter A On/Off	Drum 4 Pitch		
55	ControlLSB23 (Undefined)	Channel 3 Aux 2 Send	Solo Sample			Filter A Mode	Drum 5 Pitch		
56	ControlLSB24 (Undefined)	Channel 4 Aux 2 Send	Spread Mode			Shaper On/Off	Drum 6 Pitch		
57	ControlLSB25 (Undefined)	Channel 5 Aux 2 Send	Stereo Spread			Shaper Mode	Drum 7 Pitch		
58	ControlLSB26 (Undefined)	Channel 6 Aux 2 Send				Shaper Amount	Drum 8 Pitch		
59	ControlLSB27 (Undefined)	Channel 7 Aux 2 Send				Route Oscillator B To Filter B	Drum 9 Pitch		
60	ControlLSB28 (Undefined)	Channel 8 Aux 2 Send				Route Oscillator A To Filter B	Drum 10 Pitch		
61	ControlLSB29 (Undefined)	Channel 9 Aux 2 Send				Route Oscillator A To Shaper	Drum 1 Tone		
62	ControlLSB30 (Undefined)	Channel 10 Aux 2 Send				Route Filter B To Shaper	Drum 2 Tone		
63	ControlLSB31 (Undefined)	Channel 11 Aux 2 Send					Drum 10 Tone		
64	ControlDamperPedal (Sustain)								
65	ControlPortamentoOnOff	Channel 12 Aux 2 Send					Drum 6 Pitch Bend Amount		
66	ControlSostenuto	Channel 13 Aux 2 Send					Drum 7 Pitch Bend Amount		
67	ControlSoftPedal	Channel 14 Aux 2 Send					Drum 1 Vel to Level		
68	ControlLegatoFootSwitch	Channel 1 Bass Amount	Key Mode		Key Mode	Legato On/Off	Drum 2 Vel to Level		
69	ControlHold2	Channel 2 Bass Amount				Modulator A Sync	Drum 3 Vel to Level		
70	ControlSoundController1 (Sound Variation)	Channel 3 Bass Amount				Modulator B Sync	Drum 4 Vel to Level		

Reason 3.0 MIDI Controller Chart - Page 2

MIDI Contr. #	MIDI Controller Name	Mixer 14:2	NN-19	NN-XT	Subtractor	Malström	Redrum	Dr. Rex	CF-101 Chorus
71	ControlSoundController2 (Harmonic Intensity)	Channel 4 Bass Amount	Filter Res	Filter Res	Filter Res	Filter B Resonance	Drum 5 Vel to Level	Filter Res	
72	ControlSoundController3 (Release time)	Channel 5 Bass Amount	Amp Env Release	Amp Env Release	Amp Env Release	Oscillator B Release	Drum 6 Vel to Level	Amp Env Release	
73	ControlSoundController4 (Attack time)	Channel 6 Bass Amount	Amp Env Attack	Amp Env Attack	Amp Env Attack	Oscillator B Attack	Drum 7 Vel to Level	Amp Env Attack	
74	ControlSoundController5 (Brightness)	Channel 7 Bass Amount	Filter Freq	Filter Freq	Filter Freq	Filter B Freq	Drum 8 Vel to Level	Filter Freq	
75	ControlSoundController6	Channel 8 Bass Amount	Filter On/Off		Filter2 On/Off	Filter B On/Off	Drum 9 Vel to Level	Filter On/Off	
76	ControlSoundController7	Channel 9 Bass Amount	Filter Mode		Filter Type	Filter B Mode	Drum 10 Vel to Level	Filter Mode	
77	ControlSoundController8	Channel 10 Bass Amount	Filter Kbd Track		Filter Kbd Track	Filter B Kbd Track	Drum 1 Length		
78	ControlSoundController9	Channel 11 Bass Amount			Filter2 Res	Filter A Resonance	Drum 2 Length		
79	ControlSoundController10	Channel 12 Bass Amount			Filter2 Freq	Filter A Freq	Drum 3 Length		
80	ControlGeneralPurposeController5	Channel 13 Bass Amount			Filter Link Freq On/Off	Filter A Env	Drum 4 Length		
81	ControlGeneralPurposeController6	Channel 14 Bass Amount			Noise On/Off	Filter A Kbd Track	Drum 5 Length		
82	ControlGeneralPurposeController7	Channel 1 Treble Amount			Noise Level	Filter B Env	Drum 6 Length		
83	ControlGeneralPurposeController8	Channel 2 Treble Amount			Noise Decay		Drum 7 Length		
84	ControlPortamentoControl	Channel 3 Treble Amount			Noise Color		Drum 8 Length		
85	ControlUndefined85	Channel 4 Treble Amount			Mod Env Gain		Drum 9 Length		
86	ControlUndefined86	Channel 5 Treble Amount			Mod Env Invert	Oscillator A Shift	Drum 10 Length		
87	ControlUndefined87	Channel 6 Treble Amount			Mod Env Attack	Oscillator A Attack	Drum 3 Sample Start		
88	ControlUndefined88	Channel 7 Treble Amount			Mod Env Decay	Oscillator A Decay	Drum 4 Sample Start		
89	ControlUndefined89	Channel 8 Treble Amount			Mod Env Sustain	Oscillator A Sustain	Drum 5 Sample Start		
90	ControlUndefined90	Channel 9 Treble Amount			Mod Env Release	Oscillator A Release	Drum 8 Sample Start		
91	ControlEffects1Depth	Channel 10 Treble Amount			Mod Env Dest	Oscillator A Gain	Drum 9 Sample Start		
92	ControlEffects2Depth	Channel 11 Treble Amount			Osc1 Phase Mode	Oscillator A Motion	Pattern Enable		
93	ControlEffects3Depth	Channel 12 Treble Amount			Osc1 Phase Diff	Oscillator A Index			
94	ControlEffects4Depth	Channel 13 Treble Amount			Osc2 On/Off		Drum 6 Vel to Pitch Bend		
95	ControlEffects5Depth	Channel 14 Treble Amount			Osc2 Wave	Oscillator A On/Off	Drum 7 Vel to Pitch Bend		
96	ControlDataIncrement								
97	ControlDataDecrement								
98	ControlNonRegisteredParameterNumberLSB								
99	ControlNonRegisteredParameterNumberMSB								
100	ControlRegisteredParameterNumberLSB								
101	ControlRegisteredParameterNumberMSB								
102	ControlUndefined102	Channel 1 Aux 3 Send			Osc2 Octave	Oscillator A Octave	Drum 6 Pitch Bend Rate		
103	ControlUndefined103	Channel 2 Aux 3 Send			Osc2 Semitone	Oscillator A Semi	Drum 7 Pitch Bend Rate		
104	ControlUndefined104	Channel 3 Aux 3 Send			Osc2 Fine Tune	Oscillator A Cent	Drum 1 Vel to Tone		
105	ControlUndefined105	Channel 4 Aux 3 Send			Osc2 Phase Mode	Spread Amount	Drum 2 Vel to Tone		
106	ControlUndefined106	Channel 5 Aux 3 Send			Osc2 Phase Diff		Drum 10 Vel to Tone		
107	ControlUndefined107	Channel 6 Aux 3 Send			Osc Mix		Drum 3 Vel to Sample Start		
108	ControlUndefined108	Channel 7 Aux 3 Send			FM Amount		Drum 4 Vel to Sample Start		
109	ControlUndefined109	Channel 8 Aux 3 Send			Ring Mod		Drum 5 Vel to Sample Start		
110	ControlUndefined110	Channel 9 Aux 3 Send			LFO2 Rate	Modulator B Rate	Drum 8 Vel to Sample Start		
111	ControlUndefined111	Channel 10 Aux 3 Send			LFO2 Amount	Modulator B To Level	Drum 9 Vel to Sample Start		
112	ControlUndefined112	Channel 11 Aux 3 Send			LFO2 Delay	Modulator B To Filter			
113	ControlUndefined113	Channel 12 Aux 3 Send			LFO2 Dest	Modulator B To Modulator A			
114	ControlUndefined114	Channel 13 Aux 3 Send			LFO2 Kbd Track	Modulator B On/Off			
115	ControlUndefined115	Channel 14 Aux 3 Send			Osc2 Kbd Track	Modulator B Curve			
116	ControlUndefined116	Aux 1 Return Level				Modulator B One Shot			
117	ControlUndefined117	Aux 2 Return Level				Modulator B Target			
118	ControlUndefined118	Aux 3 Return Level				Modulator B To Motion			
119	ControlUndefined119	Aux 4 Return Level							
120	ControlReservedForChannelModeMessages120								
121	ControlReservedForChannelModeMessages121								
122	ControlReservedForChannelModeMessages122								
123	ControlReservedForChannelModeMessages123								
124	ControlReservedForChannelModeMessages124								
125	ControlReservedForChannelModeMessages125								
126	ControlReservedForChannelModeMessages126								
127	ControlReservedForChannelModeMessages127								

* Assuming source is set to Breath

** Assuming Source is set to Expression

Reason 3.0 MIDI Controller Chart - Page 3

MIDI Contr. #	MIDI Controller Name	DDL-1 Delay	D-11 Distortion	ECF-42 Filter	PEQ2 Param. EQ	PH-90 Phaser	RV-7 Reverb	Matrix	BV512 Vocoder	UN-16 Unison	Scream 4	RV7000 Reverb
0	ControlBankSelect											
1	ControlModulationWheel											
2	ControlBreathController											
3	ControlUndefined3						Algorithm	Pattern Select				
4	ControlFootController											
5	ControlPortamentoTime											
6	ControlDataEntryMSB											
7	ControlChannelVolume										Master Level	
8	ControlBalance											
9	ControlUndefined9	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Pattern Enable	Enabled	Enabled	Enabled	Enabled
10	ControlPan	Pan						Shift				
11	ControlExpressionController											
12	ControlEffectControl1	DelayTime (steps)	Amount	Mode	Filter A Gain	Split	Size		Band Count	Detune	Damage Type	Hi EQ
13	ControlEffectControl2	Feedback	Foldback	Sustain	Filter B Gain	Feedback	Damping		Vocoder/Equalizer	Voice Count	Damage Control	HF Damp
14	ControlUndefined14	Dry/Wet Balance		Release	Filter B On/Off	Rate	Decay		Dry/Wet	Dry/Wet	Parameter 1	Decay
15	ControlUndefined15	Unit		Velocity		Frequency Modulation	Dry/Wet		Band Level 1		Parameter 2	Dry/Wet
16	ControlGeneralPurpose1	Step Length		Env Amount		Width			Band Level 2		Damage On/Off	SmallSpace Size
17	ControlGeneralPurpose2								Band Level 3		Cut On/Off	SmallSpace Mod Rate
18	ControlGeneralPurpose3								Band Level 4		Cut Lo	SmallSpace Room Shape
19	ControlGeneralPurpose4								Band Level 5		Cut Mid	SmallSpace LF Damp
20	ControlUndefined20								Band Level 6		Cut Hi	SmallSpace Wall Irreg
21	ControlUndefined21								Band Level 7			SmallSpace Predelay
22	ControlUndefined22								Band Level 8			SmallSpace Mod Amount
23	ControlUndefined23								Band Level 9			Room Size
24	ControlUndefined24								Band Level 10			Room Diffusion
25	ControlUndefined25								Band Level 11			Room Shape
26	ControlUndefined26								Band Level 12			Room ER -> Late Delay
27	ControlUndefined27								Band Level 13			Room ER Level
28	ControlUndefined28								Band Level 14			Room Predelay
29	ControlUndefined29								Band Level 15			Room Mod Amount
30	ControlUndefined30					LFO Sync Enable			Band Level 16			Hall Size
31	ControlUndefined31											Hall Diffusion
32	ControlLSB0 (Bank select)											
33	ControlLSB1 (ModWheel)											Hall Room Shape
34	ControlLSB2 (Breath)											Hall ER -> Late Delay
35	ControlLSB3 (Undefined)											Hall ER Level
36	ControlLSB4 (Foot controller)											Hall Predelay
37	ControlLSB5 (Portamento time)											Hall Mod Amount
38	ControlLSB6 (DataEntry LSB)											
39	ControlLSB7 (Channel Volume)											Arena Size
40	ControlLSB8 (Balance)											Arena Diffusion
41	ControlLSB9 (Undefined)											Arena Mono Delay
42	ControlLSB10 (Pan)											Arena Mono Level
43	ControlLSB11 (Expression)											Arena Left Delay
44	ControlLSB12 (Effect control 1)											Arena Right Delay
45	ControlLSB13 (Effect control 2)											Arena Stereo Level
46	ControlLSB14 (Undefined)											
47	ControlLSB15 (Undefined)											Plate LF Damp
48	ControlLSB16 (General purpose 1)											Plate Predelay
49	ControlLSB17 (General purpose 2)											Spring Length
50	ControlLSB18 (General purpose 3)											Spring Diffusion
51	ControlLSB19 (General purpose 4)											Spring Dispersion Freq
52	ControlLSB20 (Undefined)											Spring LF Damp
53	ControlLSB21 (Undefined)											Spring Stereo Enable
54	ControlLSB22 (Undefined)											Spring Predelay
55	ControlLSB23 (Undefined)											Spring Dispersion Amount
56	ControlLSB24 (Undefined)											
57	ControlLSB25 (Undefined)											Echo Tempo Sync
58	ControlLSB26 (Undefined)											Echo Time
59	ControlLSB27 (Undefined)											Echo Time Steps
60	ControlLSB28 (Undefined)											Echo Diffusion
61	ControlLSB29 (Undefined)											Echo LF Damp
62	ControlLSB30 (Undefined)											Echo Spread
63	ControlLSB31 (Undefined)											Echo Predelay
64	ControlDamperPedal (Sustain)								Hold			
65	ControlPortamentoOnOff											MultiTap Tempo Sync
66	ControlSostenuto											MultiTap Repeat Time
67	ControlSoftPedal											MultiTap Repeat Time Steps
68	ControlLegatoFootSwitch											MultiTap Diffusion
69	ControlHold2											MultiTap LF Damp
70	ControlSoundController1 (Sound Variation)										Body On/Off	MultiTap 1 Delay

Reason 3.0 MIDI Controller Chart - Page 4

MIDI Contr. #	MIDI Controller Name	DDL-1 Delay	D-11 Distortion	ECF-42 Filter	PEQ2 Param. EQ	PH-90 Phaser	Reverb	Matrix	BV512 Vocoder	UN-16 Unison	Scream 4	RV7000 Reverb
71	ControlSoundController2 (Harmonic Intensity)			Resonance	Filter A Q						Body Resonance	MultiTap 1 Delay Steps
72	ControlSoundController3 (Release time)			Decay								MultiTap 2 Delay
73	ControlSoundController4 (Attack time)			Attack					Decay			MultiTap 2 Delay Steps
74	ControlSoundController5 (Brightness)			Frequency	Filter A Freq	Frequency			Attack		Body Scale	MultiTap 3 Delay
75	ControlSoundController6								HF Emphasis			MultiTap 3 Delay Steps
76	ControlSoundController7											MultiTap 4 Delay
77	ControlSoundController8											MultiTap 4 Delay Steps
78	ControlSoundController9				Filter B Q						Body Auto	MultiTap 1 Level
79	ControlSoundController10				Filter B Freq						Body Type	MultiTap 2 Level
80	ControlGeneralPurposeController5											MultiTap 3 Level
81	ControlGeneralPurposeController6											MultiTap 4 Level
82	ControlGeneralPurposeController7											MultiTap 1 Pan
83	ControlGeneralPurposeController8											MultiTap 2 Pan
84	ControlPortamentoControl											MultiTap 3 Pan
85	ControlUndefined85											MultiTap 4 Pan
86	ControlUndefined86											Reverse Tempo Sync
87	ControlUndefined87											Reverse Length
88	ControlUndefined88											Reverse Length Steps
89	ControlUndefined89											Reverse Rev Dry/Wet
90	ControlUndefined90											Reverse Density
91	ControlEffects1Depth											Algorithm Select
92	ControlEffects2Depth							Enable				
93	ControlEffects3Depth											
94	ControlEffects4Depth											Gate On/Off
95	ControlEffects5Depth											EQ On/Off
96	ControlDataIncrement											
97	ControlDataDecrement											
98	ControlNonRegisteredParameterNumberLSB											
99	ControlNonRegisteredParameterNumberMSB											
100	ControlRegisteredParameterNumberLSB											
101	ControlRegisteredParameterNumberMSB											
102	ControlUndefined102								Band Level 17			Gate Threshold
103	ControlUndefined103								Band Level 18			Gate Decay Mod
104	ControlUndefined104								Band Level 19			Gate Trig Source
105	ControlUndefined105								Band Level 20			Gate High Pass
106	ControlUndefined106								Band Level 21			Gate Attack
107	ControlUndefined107								Band Level 22			Gate Hold
108	ControlUndefined108								Band Level 23			Gate Release
109	ControlUndefined109								Band Level 24			EQ Low Gain
110	ControlUndefined110								Band Level 25			EQ Low Freq
111	ControlUndefined111								Band Level 26			EQ Param Gain
112	ControlUndefined112								Band Level 27			EQ Param Freq
113	ControlUndefined113								Band Level 28			EQ Param Q
114	ControlUndefined114								Band Level 29			
115	ControlUndefined115								Band Level 30			
116	ControlUndefined116								Band Level 31			
117	ControlUndefined117								Band Level 32			
118	ControlUndefined118											
119	ControlUndefined119											
120	ControlReservedForChannelModeMessages120											
121	ControlReservedForChannelModeMessages121											
122	ControlReservedForChannelModeMessages122											
123	ControlReservedForChannelModeMessages123											
124	ControlReservedForChannelModeMessages124											
125	ControlReservedForChannelModeMessages125											
126	ControlReservedForChannelModeMessages126											
127	ControlReservedForChannelModeMessages127											

Reason 3.0 MIDI Controller Chart - Page 5

MIDI Contr. #	MIDI Controller Name	Line Mixer 6:2	Combinator	MClass Equalizer	MClass Stereo Imager	MClass Compressor	MClass Maximizer
0	ControlBankSelect						
1	ControlModulationWheel		Mod Wheel				
2	ControlBreathController						
3	ControlUndefined3						
4	ControlFootController						
5	ControlPortamentoTime						
6	ControlDataEntryMSB						
7	ControlChannelVolume	Master Level				Output Gain	Output Gain
8	ControlBalance	Channel 1 Level			Solo Mode	Sidechain Solo	
9	ControlUndefined9	Channel 2 Level	Enabled	Enabled	Enabled	Enabled	Enabled
10	ControlPan	Channel 3 Level					
11	ControlExpressionController						
12	ControlEffectControl1	Channel 4 Level		Parametric 1 Gain	Low Width	Threshold	Soft Clip Amount
13	ControlEffectControl2	Channel 5 Level		Parametric 2 Gain	High Width	Attack	Attack Speed
14	ControlUndefined14	Channel 6 Level		Low Shelf Gain		Release	Release Speed
15	ControlUndefined15			Hi Shelf Gain		Adapt	Look Ahead Enable
16	ControlGeneralPurpose1			Low Cut Enable		Ratio	Limiter Enable
17	ControlGeneralPurpose2			Low Shelf Enable		Soft Knee	Soft Clip Enable
18	ControlGeneralPurpose3			Parametric 1 Enable			Output Level Meter Mode
19	ControlGeneralPurpose4			Parametric 2 Enable		Input Gain	Input Gain
20	ControlUndefined20			Hi Shelf Enable			
21	ControlUndefined21						
22	ControlUndefined22						
23	ControlUndefined23	Channel 1 Pan					
24	ControlUndefined24	Channel 2 Pan					
25	ControlUndefined25	Channel 3 Pan					
26	ControlUndefined26	Channel 4 Pan					
27	ControlUndefined27	Channel 5 Pan					
28	ControlUndefined28	Channel 6 Pan					
29	ControlUndefined29						
30	ControlUndefined30						
31	ControlUndefined31						
32	ControlLSB0 (Bank select)						
33	ControlLSB1 (ModWheel)						
34	ControlLSB2 (Breath)						
35	ControlLSB3 (Undefined)						
36	ControlLSB4 (Foot controller)						
37	ControlLSB5 (Portamento time)						
38	ControlLSB6 (DataEntry LSB)						
39	ControlLSB7 (Channel Volume)	Channel 1 Aux Send					
40	ControlLSB8 (Balance)	Channel 2 Aux Send					
41	ControlLSB9 (Undefined)	Channel 3 Aux Send					
42	ControlLSB10 (Pan)	Channel 4 Aux Send					
43	ControlLSB11 (Expression)	Channel 5 Aux Send					
44	ControlLSB12 (Effect control 1)	Channel 6 Aux Send					
45	ControlLSB13 (Effect control 2)						
46	ControlLSB14 (Undefined)						
47	ControlLSB15 (Undefined)						
48	ControlLSB16 (General purpose 1)						
49	ControlLSB17 (General purpose 2)						
50	ControlLSB18 (General purpose 3)						
51	ControlLSB19 (General purpose 4)						
52	ControlLSB20 (Undefined)						
53	ControlLSB21 (Undefined)						
54	ControlLSB22 (Undefined)						
55	ControlLSB23 (Undefined)						
56	ControlLSB24 (Undefined)						
57	ControlLSB25 (Undefined)						
58	ControlLSB26 (Undefined)						
59	ControlLSB27 (Undefined)						
60	ControlLSB28 (Undefined)						
61	ControlLSB29 (Undefined)						
62	ControlLSB30 (Undefined)						
63	ControlLSB31 (Undefined)						
64	ControlDamperPedal (Sustain)						
65	ControlPortamentoOnOff						
66	ControlSostenuto						
67	ControlSoftPedal						
68	ControlLegatoFootSwitch						
69	ControlHold2						
70	ControlSoundController1 (Sound Variation)						

Reason 3.0 MIDI Controller Chart - Page 6

MIDI Contr. #	MIDI Controller Name	Line Mixer 6:2	Combinator	MClass Equalizer	MClass Stereo Imager	MClass Compressor	MClass Maximizer
71	ControlSoundController2 (Harmonic Intensity)		Rotary 1	Parametric 1 Q			
72	ControlSoundController3 (Release time)		Rotary 2				
73	ControlSoundController4 (Attack time)		Rotary 3				
74	ControlSoundController5 (Brightness)		Rotary 4	Parametric 1 Frequency	X-Over Frequency		
75	ControlSoundController6		Button 1				
76	ControlSoundController7		Button 2				
77	ControlSoundController8		Button 3				
78	ControlSoundController9		Button 4	Parametric 2 Q			
79	ControlSoundController10			Parametric 2 Frequency			
80	ControlGeneralPurposeController5			Low Shelf Q			
81	ControlGeneralPurposeController6			Low Shelf Frequency			
82	ControlGeneralPurposeController7			Hi Shelf Q			
83	ControlGeneralPurposeController8			Hi Shelf Frequency			
84	ControlPortamentoControl						
85	ControlUndefined85						
86	ControlUndefined86						
87	ControlUndefined87						
88	ControlUndefined88						
89	ControlUndefined89						
90	ControlUndefined90						
91	ControlEffects1Depth						
92	ControlEffects2Depth						
93	ControlEffects3Depth						
94	ControlEffects4Depth						
95	ControlEffects5Depth						
96	ControlDataIncrement						
97	ControlDataDecrement						
98	ControlNonRegisteredParameterNumberLSB						
99	ControlNonRegisteredParameterNumberMSB						
100	ControlRegisteredParameterNumberLSB						
101	ControlRegisteredParameterNumberMSB						
102	ControlUndefined102						
103	ControlUndefined103						
104	ControlUndefined104						
105	ControlUndefined105						
106	ControlUndefined106						
107	ControlUndefined107						
108	ControlUndefined108						
109	ControlUndefined109						
110	ControlUndefined110						
111	ControlUndefined111						
112	ControlUndefined112						
113	ControlUndefined113						
114	ControlUndefined114						
115	ControlUndefined115						
116	ControlUndefined116	Aux Return Level					
117	ControlUndefined117						
118	ControlUndefined118						
119	ControlUndefined119						
120	ControlReservedForChannelModeMessages120						
121	ControlReservedForChannelModeMessages121						
122	ControlReservedForChannelModeMessages122						
123	ControlReservedForChannelModeMessages123						
124	ControlReservedForChannelModeMessages124						
125	ControlReservedForChannelModeMessages125						
126	ControlReservedForChannelModeMessages126						
127	ControlReservedForChannelModeMessages127						

Reason 3.0 MIDI Key Mapping

MIDI key	Mixer 14:2	Redrum	Dr. REX	BV512 Vocoder	RV7000 Reverb	ECF-42	Line Mixer 6:2	MIDI key	Mixer 14:2	Redrum	Dr. REX	BV512 Vocoder	RV7000 Reverb	ECF-42
0	Channel 1 Mute		Transpose -12		Gate Trg	Gate Trg	Channel 1 Mute	64	Channel 10 Eq On/Off	Drum 10 Mute	Trigger slice 29	Band Level 29	Gate Trg	Gate Trg
1			Transpose -11		Gate Trg	Gate Trg		65	Channel 11 Eq On/Off		Trigger slice 30	Band Level 30	Gate Trg	Gate Trg
2	Channel 2 Mute		Transpose -10		Gate Trg	Gate Trg	Channel 2 Mute	66			Trigger slice 31	Band Level 31	Gate Trg	Gate Trg
3			Transpose -9		Gate Trg	Gate Trg		67	Channel 12 Eq On/Off		Trigger slice 32	Band Level 32	Gate Trg	Gate Trg
4	Channel 3 Mute		Transpose -8		Gate Trg	Gate Trg	Channel 3 Mute	68			Trigger slice 33		Gate Trg	Gate Trg
5	Channel 4 Mute		Transpose -7		Gate Trg	Gate Trg	Channel 4 Mute	69	Channel 13 Eq On/Off		Trigger slice 34		Gate Trg	Gate Trg
6			Transpose -6		Gate Trg	Gate Trg		70			Trigger slice 35		Gate Trg	Gate Trg
7	Channel 5 Mute		Transpose -5		Gate Trg	Gate Trg	Channel 5 Mute	71	Channel 14 Eq On/Off		Trigger slice 36		Gate Trg	Gate Trg
8			Transpose -4		Gate Trg	Gate Trg		72		Drum 1 Solo		Hold	Gate Trg	Gate Trg
9	Channel 6 Mute		Transpose -3		Gate Trg	Gate Trg	Channel 6 Mute	73			Trigger slice 37		Gate Trg	Gate Trg
10			Transpose -2		Gate Trg	Gate Trg		74		Drum 2 Solo			Gate Trg	Gate Trg
11	Channel 7 Mute		Transpose -1		Gate Trg	Gate Trg		75			Trigger slice 38		Gate Trg	Gate Trg
12	Channel 8 Mute		Transpose 0		Gate Trg	Gate Trg		76		Drum 3 Solo	Trigger slice 41		Gate Trg	Gate Trg
13			Transpose +1		Gate Trg	Gate Trg		77		Drum 4 Solo	Trigger slice 42		Gate Trg	Gate Trg
14	Channel 9 Mute		Transpose +2		Gate Trg	Gate Trg		78			Trigger slice 43		Gate Trg	Gate Trg
15			Transpose +3		Gate Trg	Gate Trg		79		Drum 5 Solo	Trigger slice 44		Gate Trg	Gate Trg
16	Channel 10 Mute		Transpose +4		Gate Trg	Gate Trg		80			Trigger slice 45		Gate Trg	Gate Trg
17	Channel 11 Mute		Transpose +5		Gate Trg	Gate Trg		81		Drum 6 Solo	Trigger slice 46		Gate Trg	Gate Trg
18			Transpose +6		Gate Trg	Gate Trg		82			Trigger slice 47		Gate Trg	Gate Trg
19	Channel 12 Mute		Transpose +7		Gate Trg	Gate Trg		83		Drum 7 Solo	Trigger slice 48		Gate Trg	Gate Trg
20			Transpose +8		Gate Trg	Gate Trg		84		Drum 8 Solo	Trigger slice 49		Gate Trg	Gate Trg
21	Channel 13 Mute		Transpose +9		Gate Trg	Gate Trg		85			Trigger slice 50		Gate Trg	Gate Trg
22			Transpose +10		Gate Trg	Gate Trg		86		Drum 9 Solo	Trigger slice 51		Gate Trg	Gate Trg
23	Channel 14 Mute		Transpose +11		Gate Trg	Gate Trg		87			Trigger slice 52		Gate Trg	Gate Trg
24	Channel 1 Solo		Transpose +12		Gate Trg	Gate Trg	Channel 1 Solo	88		Drum 10 Solo	Trigger slice 53		Gate Trg	Gate Trg
25					Gate Trg	Gate Trg		89			Trigger slice 54		Gate Trg	Gate Trg
26	Channel 2 Solo		Trigger entire loop		Gate Trg	Gate Trg	Channel 2 Solo	90			Trigger slice 55		Gate Trg	Gate Trg
27					Gate Trg	Gate Trg		91			Trigger slice 56		Gate Trg	Gate Trg
28	Channel 3 Solo				Gate Trg	Gate Trg	Channel 3 Solo	92			Trigger slice 57		Gate Trg	Gate Trg
29	Channel 4 Solo				Gate Trg	Gate Trg	Channel 4 Solo	93			Trigger slice 58		Gate Trg	Gate Trg
30					Gate Trg	Gate Trg		94			Trigger slice 59		Gate Trg	Gate Trg
31	Channel 5 Solo				Gate Trg	Gate Trg	Channel 5 Solo	95			Trigger slice 60		Gate Trg	Gate Trg
32					Gate Trg	Gate Trg		96			Trigger slice 61		Gate Trg	Gate Trg
33	Channel 6 Solo				Gate Trg	Gate Trg	Channel 6 Solo	97			Trigger slice 62		Gate Trg	Gate Trg
34					Gate Trg	Gate Trg		98			Trigger slice 63		Gate Trg	Gate Trg
35	Channel 7 Solo				Gate Trg	Gate Trg		99			Trigger slice 64		Gate Trg	Gate Trg
36	Channel 8 Solo	Trigger Drum 1	Trigger slice 1	Band Level 1	Gate Trg	Gate Trg		100			Trigger slice 65		Gate Trg	Gate Trg
37		Trigger Drum 2	Trigger slice 2	Band Level 2	Gate Trg	Gate Trg		101			Trigger slice 66		Gate Trg	Gate Trg
38	Channel 9 Solo	Trigger Drum 3	Trigger slice 3	Band Level 3	Gate Trg	Gate Trg		102			Trigger slice 67		Gate Trg	Gate Trg
39		Trigger Drum 4	Trigger slice 4	Band Level 4	Gate Trg	Gate Trg		103			Trigger slice 68		Gate Trg	Gate Trg
40	Channel 10 Solo	Trigger Drum 5	Trigger slice 5	Band Level 5	Gate Trg	Gate Trg		104			Trigger slice 69		Gate Trg	Gate Trg
41	Channel 11 Solo	Trigger Drum 6	Trigger slice 6	Band Level 6	Gate Trg	Gate Trg		105			Trigger slice 70		Gate Trg	Gate Trg
42		Trigger Drum 7	Trigger slice 7	Band Level 7	Gate Trg	Gate Trg		106			Trigger slice 71		Gate Trg	Gate Trg
43	Channel 12 Solo	Trigger Drum 8	Trigger slice 8	Band Level 8	Gate Trg	Gate Trg		107			Trigger slice 72		Gate Trg	Gate Trg
44		Trigger Drum 9	Trigger slice 9	Band Level 9	Gate Trg	Gate Trg		108			Trigger slice 73		Gate Trg	Gate Trg
45	Channel 13 Solo	Trigger Drum 10	Trigger slice 10	Band Level 10	Gate Trg	Gate Trg		109			Trigger slice 74		Gate Trg	Gate Trg
46			Trigger slice 11	Band Level 11	Gate Trg	Gate Trg		110			Trigger slice 75		Gate Trg	Gate Trg
47	Channel 14 Solo		Trigger slice 12	Band Level 12	Gate Trg	Gate Trg		111			Trigger slice 76		Gate Trg	Gate Trg
48	Channel 1 Eq On/Off	Drum 1 Mute	Trigger slice 13	Band Level 13	Gate Trg	Gate Trg		112			Trigger slice 77		Gate Trg	Gate Trg
49			Trigger slice 14	Band Level 14	Gate Trg	Gate Trg		113			Trigger slice 78		Gate Trg	Gate Trg
50	Channel 2 Eq On/Off	Drum 2 Mute	Trigger slice 15	Band Level 15	Gate Trg	Gate Trg		114			Trigger slice 79		Gate Trg	Gate Trg
51			Trigger slice 16	Band Level 16	Gate Trg	Gate Trg		115			Trigger slice 80		Gate Trg	Gate Trg
52	Channel 3 Eq On/Off	Drum 3 Mute	Trigger slice 17	Band Level 17	Gate Trg	Gate Trg		116			Trigger slice 81		Gate Trg	Gate Trg
53	Channel 4 Eq On/Off	Drum 4 Mute	Trigger slice 18	Band Level 18	Gate Trg	Gate Trg		117			Trigger slice 82		Gate Trg	Gate Trg
54			Trigger slice 19	Band Level 19	Gate Trg	Gate Trg		118			Trigger slice 83		Gate Trg	Gate Trg
55	Channel 5 Eq On/Off	Drum 5 Mute	Trigger slice 20	Band Level 20	Gate Trg	Gate Trg		119			Trigger slice 84		Gate Trg	Gate Trg
56			Trigger slice 21	Band Level 21	Gate Trg	Gate Trg		120			Trigger slice 85		Gate Trg	Gate Trg
57	Channel 6 Eq On/Off	Drum 6 Mute	Trigger slice 22	Band Level 22	Gate Trg	Gate Trg		121			Trigger slice 86		Gate Trg	Gate Trg
58			Trigger slice 23	Band Level 23	Gate Trg	Gate Trg		122			Trigger slice 87		Gate Trg	Gate Trg
59	Channel 7 Eq On/Off	Drum 7 Mute	Trigger slice 24	Band Level 24	Gate Trg	Gate Trg		123			Trigger slice 88		Gate Trg	Gate Trg
60	Channel 8 Eq On/Off	Drum 8 Mute	Trigger slice 25	Band Level 25	Gate Trg	Gate Trg		124			Trigger slice 89		Gate Trg	Gate Trg
61			Trigger slice 26	Band Level 26	Gate Trg	Gate Trg		125			Trigger slice 90		Gate Trg	Gate Trg
62	Channel 9 Eq On/Off	Drum 9 Mute	Trigger slice 27	Band Level 27	Gate Trg	Gate Trg		126			Trigger slice 91		Gate Trg	Gate Trg
63			Trigger slice 28	Band Level 28	Gate Trg	Gate Trg		127			Trigger slice 92		Gate Trg	Gate Trg