



REASON

Version
2.5

→ **MIDI Implementation Charts**

14 Channel Expandable Mixer → Analog Polysynth → Grainable Polysynth → Digital Samplers → REX-loop Player → Drum Machine → ReBirth Input Device → Multiple Effects Processors → 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

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Reason 2.5 MIDI Controller Chart - Page 1

MIDI Contr. #	MIDI Controller Name	Mixer 14:2	NN-19	NN-XT	Subtractor	Maiström	Redrum	Dr. Rex	CF-101 Chorus	DDL-1 Delay
0	ControlBankSelect									
1	ControlModulationWheel		Mod Wheel	Mod Wheel 1	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 Level	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	Osc B Amp Env Decay	Drum 2 Level	Amp Env Decay	Enable	Enable
10	ControlPan	Channel 3 Level					Drum 3 Level			Pan
11	ControlExpressionController			Mod Wheel 2**						
12	ControlEffectControl1	Channel 4 Level	Amp Env Sustain		Amp Env Sustain	Osc B Amp Env Sustain	Drum 4 Level	Amp Env Sustain	Delay	DelayTime16th
13	ControlEffectControl2	Channel 5 Level					Drum 5 Level		Feedback	Feedback
14	ControlUndefined14	Channel 6 Level	Filter Env Attack		Filter Env Attack	Filter Env Attack	Drum 6 Level	Filter Env Attack	Rate	Dry Wet Balance
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	TimeBase
16	ControlGeneralPurpose1	Channel 8 Level	Filter Env Sustain		Filter Env Sustain	Filter Env Sustain	Drum 8 Level	Filter Env Sustain		Step Length
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		Osc1Wave		Drum 2 Pan			
21	ControlUndefined21	Channel 13 Level	Osc Octave		Osc1 Octave	Osc B Octave	Drum 3 Pan	Osc Octave		
22	ControlUndefined22	Channel 14 Level	Osc Semitone		Osc1 Semitone	Osc B Semitone	Drum 4 Pan	Transpose Loop		
23	ControlUndefined23	Channel 1 Pan	Osc Fine Tune		Osc1 Fine Tune	Osc 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		Osc1 Kbd Track	Mod A Enable	Drum 7 Pan			
26	ControlUndefined26	Channel 4 Pan	LFO 1 Rate		LFO1 Rate	Mod A Rate	Drum 8 Pan	LFO1 Rate		
27	ControlUndefined27	Channel 5 Pan	LFO 1 Amount		LFO1 Amount	Mod A To Pitch	Drum 9 Pan	LFO1 Amount		
28	ControlUndefined28	Channel 6 Pan	LFO 1 Wave		LFO1 Wave	Mod A Curve	Drum 10 Pan	LFO1 Wave		
29	ControlUndefined29	Channel 7 Pan	LFO 1 Dest		LFO1 Dest	Mod A One Shot	Drum 1 Send 1 Amount	LFO1 Dest		
30	ControlUndefined30	Channel 8 Pan	LFO Sync Enable		LFO Sync Enable	Mod A Target Selector	Drum 2 Send 1 Amount	LFO Sync Enable	LFO Sync Enable	
31	ControlUndefined31	Channel 9 Pan				Mod 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	Filter Freq Mod Wheel Amount	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	Index Mod Wheel Amount	Drum 5 Send 1 Amount	FilterRes Mod Wheel Amount		
35	ControlLSB3 (Undefined)	Channel 12 Pan	Filter Decay Mod Wheel Amount		LFO1Mod Wheel Amount	Modulator Mod Wheel Amount	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	Target Selector Mod Wheel Amount	Drum 7 Send 1 Amount	AmpVel		
37	ControlLSB5 (Portamento time)	Channel 14 Pan	LFO1 Mod Wheel Amount		Phase Diff Mod Wheel Amount	Shift Mod Wheel Amount	Drum 8 Send 1 Amount			
38	ControlLSB6 (DataEntry LSB)									
39	ControlLSB7 (Channel Volume)	Channel 1 Aux Send 1 Level	Pitch Bend Range		Pitch Bend Range	Pitch Bend Range	Drum 9 Send 1 Amount	Pitch Bend Range		
40	ControlLSB8 (Balance)	Channel 2 Aux Send 1 Level	Filter Freq Ext Mod		Filter Freq Ext Mod	Mod A To Shift	Drum 10 Send 1 Amount			
41	ControlLSB9 (Undefined)	Channel 3 Aux Send 1 Level	LFO1 Ext Mod		LFO1 Ext Mod	Osc B Enable	Drum 1 Send 2 Amount			
42	ControlLSB10 (Pan)	Channel 4 Aux Send 1 Level	Amp Ext Mod		Amp Ext Mod	Osc B Index	Drum 2 Send 2 Amount			
43	ControlLSB11 (Expression)	Channel 5 Aux Send 1 Level	Ext Mod Select		Ext Mod Select	Osc B Motion	Drum 3 Send 2 Amount			
44	ControlLSB12 (Effect control 1)	Channel 6 Aux Send 1 Level			FM Ext Mod	Osc B Shift	Drum 4 Send 2 Amount			
45	ControlLSB13 (Effect control 2)	Channel 7 Aux Send 1 Level	Amp Vel Amount		Amp Env Vel Amount		Drum 5 Send 2 Amount			
46	ControlLSB14 (Undefined)	Channel 8 Aux Send 1 Level	Filter Env Vel Amount		Filter Env Vel	Filter Env Vel Amount	Drum 6 Send 2 Amount	Filter Env Vel Amount		
47	ControlLSB15 (Undefined)	Channel 9 Aux Send 1 Level	Filter Decay Vel Amount		Filter Decay Vel Amount	Target Selector Vel Amount	Drum 7 Send 2 Amount	Filter Decay Vel Amount		
48	ControlLSB16 (General purpose 1)	Channel 10 Aux Send 1 Level	Amp Attack Vel Amount		Amp Attack Vel Attack	Amp Env Attack Vel Amount	Drum 8 Send 2 Amount			
49	ControlLSB17 (General purpose 2)	Channel 11 Aux Send 1 Level	Sample Start Vel Amount		FM Vel Amount	Lvl B Vel Amount	Drum 9 Send 2 Amount			
50	ControlLSB18 (General purpose 3)	Channel 12 Aux Send 1 Level			Mod Env Vel Amount	Lvl A Vel Amount	Drum 10 Send 2 Amount			
51	ControlLSB19 (General purpose 4)	Channel 13 Aux Send 1 Level			Phase Vel Amount	Shift Vel Amount	Drum 1 Pitch1			
52	ControlLSB20 (Undefined)	Channel 14 Aux Send 1 Level			Filter Freq2 Vel Amount	Modulator Vel Amount	Drum 2 Pitch2			
53	ControlLSB21 (Undefined)	Channel 1 Aux Send 2 Level			Mix Vel Amount	Osc B Amp Env Volume	Drum 3 Pitch3			
54	ControlLSB22 (Undefined)	Channel 2 Aux Send 2 Level				Filter A Enable	Drum 4 Pitch4			
55	ControlLSB23 (Undefined)	Channel 3 Aux Send 2 Level				Filter A Mode	Drum 5 Pitch5			
56	ControlLSB24 (Undefined)	Channel 4 Aux Send 2 Level	Solo Sample			Shaper Enable	Drum 6 Pitch6			
57	ControlLSB25 (Undefined)	Channel 5 Aux Send 2 Level	Stereo Spread			Shaper Mode	Drum 7 Pitch7			
58	ControlLSB26 (Undefined)	Channel 6 Aux Send 2 Level				Shaper Amount	Drum 8 Pitch8			
59	ControlLSB27 (Undefined)	Channel 7 Aux Send 2 Level				Route Osc B To Filter B	Drum 9 Pitch9			
60	ControlLSB28 (Undefined)	Channel 8 Aux Send 2 Level				Route Osc A To Filter B	Drum 10 Pitch10			
61	ControlLSB29 (Undefined)	Channel 9 Aux Send 2 Level				Route Osc A To Shaper	Drum 1 Tone			
62	ControlLSB30 (Undefined)	Channel 10 Aux Send 2 Level				Route Osc B To Shaper	Drum 2 Tone			
63	ControlLSB31 (Undefined)	Channel 11 Aux Send 2 Level					Drum 10 Tone			
64	ControlDamperPedal (Sustain)									
65	ControlPortamentoOnOff	Channel 12 Aux Send 2 Level					Drum 6 Pitch Bend			
66	ControlSostenuto	Channel 13 Aux Send 2 Level					Drum 7 Pitch Bend			
67	ControlSoftPedal	Channel 14 Aux Send 2 Level					Drum 1 Vel to Level			
68	ControlLegatoFootSwitch	Channel 1 Bass Amount	Key Mode		Key Mode	Legato Enable	Drum 2 Vel to Level			
69	ControlHold2	Channel 2 Bass Amount				Mod A Sync	Drum 3 Vel to Level			
70	ControlSoundController1 (Sound Variation)	Channel 3 Bass Amount				Mod B Sync	Drum 4 Vel to Level			

Reason 2.5 MIDI Controller Chart - Page 2

MIDI Contr. #	MIDI Controller Name	Mixer 14:2	NN-19	NN-XT	Subtractor	Maiström	Redrum	Dr. Rex	CF-1010 Chorus	DDL-1 Delay
71	ControlSoundController2 (Harmonic Intensity)	Channel 4 Bass Amount	Filter Resonance	Filter Resonance	Filter Resonance	Filter B Resonance	Drum 5 Vel to Level	Filter Resonance		
72	ControlSoundController3 (Release time)	Channel 5 Bass Amount	Amp Env Release	Amp Env Release	Amp Env Release	Osc B Amp Env 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	Osc B Amp Env 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	Filter2 On	Filter B Enable	Drum 9 Vel to Level	Filter On		
76	ControlSoundController7	Channel 9 Bass Amount	Filter Type		Filter Type	Filter B Mode	Drum 10 Vel to Level	Filter Type		
77	ControlSoundController8	Channel 10 Bass Amount	Filter Kbd Track		Filter Kbd Track	Filter B Kbd Track	Drum 1 Decay			
78	ControlSoundController9	Channel 11 Bass Amount			Filter2 Resonance	Filter A Resonance	Drum 2 Decay			
79	ControlSoundController10	Channel 12 Bass Amount			Filter2 Freq	Filter A Freq	Drum 3 Decay			
80	ControlGeneralPurposeController5	Channel 13 Bass Amount			Filter Link Freq On	Filter A Env	Drum 4 Decay			
81	ControlGeneralPurposeController6	Channel 14 Bass Amount			Noise On	Filter A Kbd Track	Drum 5 Decay			
82	ControlGeneralPurposeController7	Channel 1 Treble Amount			Noise Level	Filter B Env	Drum 6 Decay			
83	ControlGeneralPurposeController8	Channel 2 Treble Amount			Noise Decay		Drum 7 Decay			
84	ControlPortamentoControl	Channel 3 Treble Amount			Noise Color		Drum 8 Decay			
85	ControlUndefined85	Channel 4 Treble Amount			Mod Env Amount		Drum 9 Decay			
86	ControlUndefined86	Channel 5 Treble Amount			Mod Env Invert	Osc A Shift	Drum 10 Decay			
87	ControlUndefined87	Channel 6 Treble Amount			Mod Env Attack	Osc A Amp Env Attack	Drum 3 SampleStart			
88	ControlUndefined88	Channel 7 Treble Amount			Mod Env Decay	Osc A Amp Env Decay	Drum 4 SampleStart			
89	ControlUndefined89	Channel 8 Treble Amount			Mod Env Sustain	Osc A Amp Env Sustain	Drum 5 SampleStart			
90	ControlUndefined90	Channel 9 Treble Amount			Mod Env Release	Osc A Amp Env Release	Drum 8 SampleStart			
91	ControlEffects1Depth	Channel 10 Treble Amount			Mod Env Dest	Osc A Amp Env Volume	Drum 9 SampleStart			
92	ControlEffects2Depth	Channel 11 Treble Amount			Osc1 PhaseMode	Osc A Motion	Pattern Enable			
93	ControlEffects3Depth	Channel 12 Treble Amount			Osc1 Phase Diff	Osc A Index				
94	ControlEffects4Depth	Channel 13 Treble Amount			Osc2 On		Drum 6 Vel to Pitch Bend			
95	ControlEffects5Depth	Channel 14 Treble Amount			Osc2 Wave	Osc A Enable	Drum 7 Vel to Pitch Bend			
96	ControlDataIncrement									
97	ControlDataDecrement									
98	ControlNonRegisteredParameterNumberLSB									
99	ControlNonRegisteredParameterNumberMSB									
100	ControlRegisteredParameterNumberLSB									
101	ControlRegisteredParameterNumberMSB									
102	ControlUndefined102	Channel 1 Send Aux3 Level			Osc2 Octave	Osc A Octave	Drum 6 Pitch Bend Rate Rate			
103	ControlUndefined103	Channel 2 Send Aux3 Level			Osc2 Semitone	Osc A Semitone	Drum 7 Pitch Bend Rate Rate			
104	ControlUndefined104	Channel 3 Send Aux3 Level			Osc2 Fine Tune	Osc A Cent	Drum 1 Vel ToTone			
105	ControlUndefined105	Channel 4 Send Aux3 Level			Osc2 Mode	Spread Amount	Drum 2 Vel ToTone			
106	ControlUndefined106	Channel 5 Send Aux3 Level			Osc2 Phase Diff		Drum 10 Vel ToTone			
107	ControlUndefined107	Channel 6 Send Aux3 Level			Osc Mix		Drum 3 Vel to Sample Start			
108	ControlUndefined108	Channel 7 Send Aux3 Level			FM Amount		Drum 4 Vel to Sample Start			
109	ControlUndefined109	Channel 8 Send Aux3 Level			Ring Mod		Drum 5 Vel to Sample Start			
110	ControlUndefined110	Channel 9 Send Aux3 Level			LFO2 Rate	Mod B Rate	Drum 8 Vel to Sample Start			
111	ControlUndefined111	Channel 10 Send Aux3 Level			LFO2 Amount	Mod B To Level	Drum 9 Vel to Sample Start			
112	ControlUndefined112	Channel 11 Send Aux3 Level			LFO2 Delay	Mod B To Filter				
113	ControlUndefined113	Channel 12 Send Aux3 Level			LFO2 Dest	Mod B To Mod B				
114	ControlUndefined114	Channel 13 Send Aux3 Level			LFO2 Kbd Track	Mod B Enable				
115	ControlUndefined115	Channel 14 Send Aux3 Level			Osc2 Kbd Track	Mod B Curve				
116	ControlUndefined116	Aux 1 Return Level				Mod B One Shot				
117	ControlUndefined117	Aux 2 Return Level				Mod B Target Selector				
118	ControlUndefined118	Aux 3 Return Level				Mod 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 2.5 MIDI Controller Chart - Page 3

MIDI Contr. #	MIDI Controller Name	COMP-01 Compressor	D-11 Distortion	ECF-42 Filter	PEQ2 Param. EQ	PH-90 Phaser	RV-7 Reverb	ReBirth Input	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	Enable	Enable	Enable	Enable	Enable	Enable		Enable	Enable	Enable	Enable	Enable
10	ControlPan									Shift			
11	ControlExpressionController												
12	ControlEffectControl1	Threshold	Amount	Mode	Filter A Gain	Split	Size			Band Count	Detune	Damage Type	Hi EQ
13	ControlEffectControl2	Attack	Foldback	Sustain	Filter B Gain	Feedback	Damping			Eq Mode	Voice Count	Damage Control	HF Damp
14	ControlUndefined14	Release		Release	Filter B Enable	Rate	Decay			Dry/Wet	Dry/Wet	P1	Decay
15	ControlUndefined15			Velocity		Frequency Modulation	Dry/Wet			Level Band 1		P2	Dry/Wet
16	ControlGeneralPurpose1	Ratio		Env Amount		Width				Level Band 2		Damage Section Enable	SmallSpace Size
17	ControlGeneralPurpose2									Level Band 3		EQ Section Enable	SmallSpace Mod Rate
18	ControlGeneralPurpose3									Level Band 4		EQ Low	SmallSpace Room Shape
19	ControlGeneralPurpose4									Level Band 5		EQ Mid	SmallSpace LF Damp
20	ControlUndefined20									Level Band 6		EQ High	SmallSpace Wall Irreg
21	ControlUndefined21									Level Band 7			SmallSpace Predelay
22	ControlUndefined22									Level Band 8			SmallSpace Mod Amount
23	ControlUndefined23									Level Band 9			Room Size
24	ControlUndefined24									Level Band 10			Room Diffusion
25	ControlUndefined25									Level Band 11			Room Shape
26	ControlUndefined26									Level Band 12			Room ER -> Late Delay
27	ControlUndefined27									Level Band 13			Room ER Level
28	ControlUndefined28									Level Band 14			Room Predelay
29	ControlUndefined29									Level Band 15			Room Mod Amount
30	ControlUndefined30					LFO Sync Enable				Level Band 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 Section Enable	MultiTap 1 Delay

Reason 2.5 MIDI Controller Chart - Page 4

MIDI Contr. #	MIDI Controller Name	COMP-01 Compressor	D-11 Distortion	ECF-42 Filter	PEQ2 Param. EQ	PH-90 Phaser	Reverb	ReWire Input	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	Freq				Attack		Body Scale	MultiTap 3 Delay
75	ControlSoundController6									HF Emph			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 Enable
95	ControlEffects5Depth												EQ Enable
96	ControlDataIncrement												
97	ControlDataDecrement												
98	ControlNonRegisteredParameterNumberLSB												
99	ControlNonRegisteredParameterNumberMSB												
100	ControlRegisteredParameterNumberLSB												
101	ControlRegisteredParameterNumberMSB												
102	ControlUndefined102									Level Band 17			Gate Threshold
103	ControlUndefined103									Level Band 18			Gate Decay Mod
104	ControlUndefined104									Level Band 19			Gate Trig Source
105	ControlUndefined105									Level Band 20			Gate High Pass
106	ControlUndefined106									Level Band 21			Gate Attack
107	ControlUndefined107									Level Band 22			Gate Hold
108	ControlUndefined108									Level Band 23			Gate Release
109	ControlUndefined109									Level Band 24			EQ Low Gain
110	ControlUndefined110									Level Band 25			EQ Low Freq
111	ControlUndefined111									Level Band 26			EQ Param Gain
112	ControlUndefined112									Level Band 27			EQ Param Freq
113	ControlUndefined113									Level Band 28			EQ Param Q
114	ControlUndefined114									Level Band 29			
115	ControlUndefined115									Level Band 30			
116	ControlUndefined116									Level Band 31			
117	ControlUndefined117									Level Band 32			
118	ControlUndefined118												
119	ControlUndefined119												
120	ControlReservedForChannelModeMessages120												
121	ControlReservedForChannelModeMessages121												
122	ControlReservedForChannelModeMessages122												
123	ControlReservedForChannelModeMessages123												
124	ControlReservedForChannelModeMessages124												
125	ControlReservedForChannelModeMessages125												
126	ControlReservedForChannelModeMessages126												
127	ControlReservedForChannelModeMessages127												

Reason 2.5 MIDI Key Mapping

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