



record

MIDI Implementation Chart

Record Version 1 and Reason Version 4

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Mixer Master Section	Mixer Channel Strip	Combinator	Mixer 14:2	Line Mixer 6:2
0	ControlBankSelect					
1	ControlModulationWheel			Mod Wheel		
2	ControlBreathController					
3	ControlUndefined3					
4	ControlFootController					
5	ControlPortamentoTime					
6	ControlDataEntryMSB					
7	ControlChannelVolume	Master Level	Level (Fader)		Master Level	Master Level
8	ControlBalance		Width		Channel 1 Level	Channel 1 Level
9	ControlUndefined9	Bypass (Insert FX)		Enabled	Channel 2 Level	Channel 2 Level
10	ControlPan		Pan (Fader)		Channel 3 Level	Channel 3 Level
11	ControlExpressionController					
12	ControlEffectControl1	Threshold (Compressor)	Mute		Channel 4 Level	Channel 4 Level
13	ControlEffectControl2	Attack (Compressor)	Solo		Channel 5 Level	Channel 5 Level
14	ControlUndefined14	Release (Compressor)	FX1 Send On (Send FX)		Channel 6 Level	Channel 6 Level
15	ControlUndefined15	Key (Compressor)	FX1 Send Level (Send FX)		Channel 7 Level	
16	ControlGeneralPurpose1	Ratio (Compressor)	FX1 Pre Fader (Send FX)		Channel 8 Level	
17	ControlGeneralPurpose2	On (Compressor)	FX2 Send On (Send FX)		Channel 9 Level	
18	ControlGeneralPurpose3	Make-Up Gain (Compressor)	FX2 Send Level (Send FX)		Channel 10 Level	
19	ControlGeneralPurpose4		FX2 Pre Fader (Send FX)		Channel 11 Level	
20	ControlUndefined20		FX3 Send On (Send FX)		Channel 12 Level	
21	ControlUndefined21		FX3 Send Level (Send FX)		Channel 13 Level	
22	ControlUndefined22		FX3 Pre Fader (Send FX)		Channel 14 Level	
23	ControlUndefined23	FX1 Pan (Send FX)	FX4 Send On (Send FX)		Channel 1 Pan	Channel 1 Pan
24	ControlUndefined24	FX2 Pan (Send FX)	FX4 Send Level (Send FX)		Channel 2 Pan	Channel 2 Pan
25	ControlUndefined25	FX3 Pan (Send FX)	FX4 Pre Fader (Send FX)		Channel 3 Pan	Channel 3 Pan
26	ControlUndefined26	FX4 Pan (Send FX)	FX5 Send On (Send FX)		Channel 4 Pan	Channel 4 Pan
27	ControlUndefined27	FX5 Pan (Send FX)	FX5 Send Level (Send FX)		Channel 5 Pan	Channel 5 Pan
28	ControlUndefined28	FX6 Pan (Send FX)	FX5 Pre Fader (Send FX)		Channel 6 Pan	Channel 6 Pan
29	ControlUndefined29	FX7 Pan (Send FX)	FX6 Send On (Send FX)		Channel 7 Pan	
30	ControlUndefined30	FX8 Pan (Send FX)	FX6 Send Level (Send FX)		Channel 8 Pan	
31	ControlUndefined31		FX6 Pre Fader (Send FX)		Channel 9 Pan	
32	ControlLSB0 (Bank select)					
33	ControlLSB1 (ModWheel)				Channel 10 Pan	
34	ControlLSB2 (Breath)				Channel 11 Pan	
35	ControlLSB3 (Undefined)				Channel 12 Pan	
36	ControlLSB4 (Foot controller)				Channel 13 Pan	
37	ControlLSB5 (Portamento time)				Channel 14 Pan	
38	ControlLSB6 (DataEntry LSB)					
39	ControlLSB7 (Channel Volume)	FX1 Send Level (Send FX)	FX7 Send On (Send FX)		Channel 1 Aux 1 Send	Channel 1 Aux Send
40	ControlLSB8 (Balance)	FX2 Send Level (Send FX)	FX7 Send Level (Send FX)		Channel 2 Aux 1 Send	Channel 2 Aux Send
41	ControlLSB9 (Undefined)	FX3 Send Level (Send FX)	FX7 Pre Fader (Send FX)		Channel 3 Aux 1 Send	Channel 3 Aux Send
42	ControlLSB10 (Pan)	FX4 Send Level (Send FX)	FX8 Send On (Send FX)		Channel 4 Aux 1 Send	Channel 4 Aux Send
43	ControlLSB11 (Expression)	FX5 Send Level (Send FX)	FX8 Send Level (Send FX)		Channel 5 Aux 1 Send	Channel 5 Aux Send
44	ControlLSB12 (Effect control 1)	FX6 Send Level (Send FX)	FX8 Pre Fader (Send FX)		Channel 6 Aux 1 Send	Channel 6 Aux Send
45	ControlLSB13 (Effect control 2)	FX7 Send Level (Send FX)			Channel 7 Aux 1 Send	
46	ControlLSB14 (Undefined)	FX8 Send Level (Send FX)	Comp On (Dynamics)		Channel 8 Aux 1 Send	
47	ControlLSB15 (Undefined)	FX1 Return Level (Send FX)	Comp Threshold (Dynamics)		Channel 9 Aux 1 Send	
48	ControlLSB16 (General purpose 1)	FX2 Return Level (Send FX)	Comp Release (Dynamics)		Channel 10 Aux 1 Send	
49	ControlLSB17 (General purpose 2)	FX3 Return Level (Send FX)	Comp Ratio (Dynamics)		Channel 11 Aux 1 Send	
50	ControlLSB18 (General purpose 3)	FX4 Return Level (Send FX)	Comp Peak (Dynamics)		Channel 12 Aux 1 Send	
51	ControlLSB19 (General purpose 4)	FX5 Return Level (Send FX)	Comp Fast Attack (Dynamics)		Channel 13 Aux 1 Send	
52	ControlLSB20 (Undefined)	FX6 Return Level (Send FX)			Channel 14 Aux 1 Send	
53	ControlLSB21 (Undefined)	FX7 Return Level (Send FX)	Gate On (Dynamics)		Channel 1 Aux 2 Send	
54	ControlLSB22 (Undefined)	FX8 Return Level (Send FX)	Gate Threshold (Dynamics)		Channel 2 Aux 2 Send	
55	ControlLSB23 (Undefined)		Gate Hold (Dynamics)		Channel 3 Aux 2 Send	
56	ControlLSB24 (Undefined)		Gate Release (Dynamics)		Channel 4 Aux 2 Send	
57	ControlLSB25 (Undefined)		Gate Range (Dynamics)		Channel 5 Aux 2 Send	
58	ControlLSB26 (Undefined)		Gate Fast Attack (Dynamics)		Channel 6 Aux 2 Send	
59	ControlLSB27 (Undefined)		Gate Exp (Dynamics)		Channel 7 Aux 2 Send	
60	ControlLSB28 (Undefined)				Channel 8 Aux 2 Send	
61	ControlLSB29 (Undefined)		Gate Key (Dynamics)		Channel 9 Aux 2 Send	
62	ControlLSB30 (Undefined)				Channel 10 Aux 2 Send	
63	ControlLSB31 (Undefined)				Channel 11 Aux 2 Send	
64	ControlDamperPedal (Sustain)					
65	ControlPortamentoOnOff		HF Bell (EQ)		Channel 12 Aux 2 Send	
66	ControlSostenuto				Channel 13 Aux 2 Send	
67	ControlSoftPedal				Channel 14 Aux 2 Send	
68	ControlLegatoFootSwitch		Bypass Insert FX (Insert FX)		Channel 1 Bass Amount	
69	ControlHold2				Channel 2 Bass Amount	
70	ControlSoundController1 (Sound Variation)				Channel 3 Bass Amount	
71	ControlSoundController2 (Harmonic Intensity)	Rotary 1 (Insert FX)	Rotary 1 (Insert FX)	Rotary 1	Channel 4 Bass Amount	
72	ControlSoundController3 (Release time)	Rotary 2 (Insert FX)	Rotary 2 (Insert FX)	Rotary 2	Channel 5 Bass Amount	
73	ControlSoundController4 (Attack time)	Rotary 3 (Insert FX)	Rotary 3 (Insert FX)	Rotary 3	Channel 6 Bass Amount	
74	ControlSoundController5 (Brightness)	Rotary 4 (Insert FX)	Rotary 4 (Insert FX)	Rotary 4	Channel 7 Bass Amount	
75	ControlSoundController6	Button 1 (Insert FX)	Button 1 (Insert FX)	Button 1	Channel 8 Bass Amount	
76	ControlSoundController7	Button 2 (Insert FX)	Button 2 (Insert FX)	Button 2	Channel 9 Bass Amount	
77	ControlSoundController8	Button 3 (Insert FX)	Button 3 (Insert FX)	Button 3	Channel 10 Bass Amount	
78	ControlSoundController9	Button 4 (Insert FX)	Button 4 (Insert FX)	Button 4	Channel 11 Bass Amount	
79	ControlSoundController10				Channel 12 Bass Amount	
80	ControlGeneralPurposeController5		EQ On (EQ)		Channel 13 Bass Amount	
81	ControlGeneralPurposeController6		EQ E Mode (EQ)		Channel 14 Bass Amount	
82	ControlGeneralPurposeController7		HF Gain (EQ)		Channel 1 Treble Amount	
83	ControlGeneralPurposeController8		HF Frequency (EQ)		Channel 2 Treble Amount	
84	ControlPortamentoControl				Channel 3 Treble Amount	
85	ControlUndefined85		HMF Gain (EQ)		Channel 4 Treble Amount	
86	ControlUndefined86		HMF Frequency (EQ)		Channel 5 Treble Amount	
87	ControlUndefined87		HMF Q (EQ)		Channel 6 Treble Amount	
88	ControlUndefined88		LMF Gain (EQ)		Channel 7 Treble Amount	
89	ControlUndefined89		LMF Frequency (EQ)		Channel 8 Treble Amount	
90	ControlUndefined90		LMF Q (EQ)		Channel 9 Treble Amount	
91	ControlEffects1Depth		LF Gain (EQ)		Channel 10 Treble Amount	
92	ControlEffects2Depth		LF Frequency (EQ)		Channel 11 Treble Amount	
93	ControlEffects3Depth		LF Bell (EQ)		Channel 12 Treble Amount	
94	ControlEffects4Depth				Channel 13 Treble Amount	
95	ControlEffects5Depth				Channel 14 Treble Amount	
96	ControlDataIncrement					
97	ControlDataDecrement					
98	ControlNonRegisteredParameterNumberLSB					
99	ControlNonRegisteredParameterNumberMSB					
100	ControlRegisteredParameterNumberLSB					
101	ControlRegisteredParameterNumberMSB					
102	ControlUndefined102	FX1 Mute (Send FX)	LPF On (EQ)		Channel 1 Aux 3 Send	
103	ControlUndefined103	FX2 Mute (Send FX)	LPF Frequency (EQ)		Channel 2 Aux 3 Send	
104	ControlUndefined104	FX3 Mute (Send FX)	HPF On (EQ)		Channel 3 Aux 3 Send	
105	ControlUndefined105	FX4 Mute (Send FX)	HPF Frequency (EQ)		Channel 4 Aux 3 Send	
106	ControlUndefined106	FX5 Mute (Send FX)			Channel 5 Aux 3 Send	
107	ControlUndefined107	FX6 Mute (Send FX)	Gain (Input)		Channel 6 Aux 3 Send	
108	ControlUndefined108	FX7 Mute (Send FX)	Invert Phase (Input)		Channel 7 Aux 3 Send	
109	ControlUndefined109	FX8 Mute (Send FX)			Channel 8 Aux 3 Send	
110	ControlUndefined110				Channel 9 Aux 3 Send	
111	ControlUndefined111				Channel 10 Aux 3 Send	
112	ControlUndefined112				Channel 11 Aux 3 Send	
113	ControlUndefined113				Channel 12 Aux 3 Send	
114	ControlUndefined114				Channel 13 Aux 3 Send	
115	ControlUndefined115				Channel 14 Aux 3 Send	
116	ControlUndefined116				Aux 1 Return Level	Aux Return Level
117	ControlUndefined117				Aux 2 Return Level	
118	ControlUndefined118				Aux 3 Return Level	
119	ControlUndefined119				Aux 4 Return Level	
120	ControlReservedForChannelModeMessages120					
121	ControlReservedForChannelModeMessages121					
122	ControlReservedForChannelModeMessages122					
123	ControlReservedForChannelModeMessages123					
124	ControlReservedForChannelModeMessages124					
125	ControlReservedForChannelModeMessages125					
126	ControlReservedForChannelModeMessages126					
127	ControlReservedForChannelModeMessages127					

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	ID# Instrument	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	Volume			Output Gain	Output Gain
8	ControlBalance			Solo Mode	Sidechain Solo	
9	ControlUndefined9		Enabled	Enabled	Enabled	Enabled
10	ControlPan					
11	ControlExpressionController					
12	ControlEffectControl1		Parametric 1 Gain	Low Width	Threshold	Soft Clip Amount
13	ControlEffectControl2		Parametric 2 Gain	High Width	Attack	Attack Speed
14	ControlUndefined14		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					
24	ControlUndefined24					
25	ControlUndefined25					
26	ControlUndefined26					
27	ControlUndefined27					
28	ControlUndefined28					
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)					
40	ControlLSB8 (Balance)					
41	ControlLSB9 (Undefined)					
42	ControlLSB10 (Pan)					
43	ControlLSB11 (Expression)					
44	ControlLSB12 (Effect control 1)					
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)					
71	ControlSoundController2 (Harmonic Intensity)	Parameter 1 Level	Parametric 1 Q			
72	ControlSoundController3 (Release time)	Parameter 2 Level				
73	ControlSoundController4 (Attack time)					
74	ControlSoundController5 (Brightness)		Parametric 1 Frequency	X-Over Frequency		
75	ControlSoundController6					
76	ControlSoundController7					
77	ControlSoundController8					
78	ControlSoundController9		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					
117	ControlUndefined117					
118	ControlUndefined118					
119	ControlUndefined119					
120	ControlReservedForChannelModeMessages120					
121	ControlReservedForChannelModeMessages121					
122	ControlReservedForChannelModeMessages122					
123	ControlReservedForChannelModeMessages123					
124	ControlReservedForChannelModeMessages124					
125	ControlReservedForChannelModeMessages125					
126	ControlReservedForChannelModeMessages126					
127	ControlReservedForChannelModeMessages127					

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Line6 Guitar Amp	Line6 Bass Amp	RV7000 Reverb	Scream 4	DDL-1 Delay	CF-101 Chorus
0	ControlBankSelect						
1	ControlModulationWheel						
2	ControlBreathController						
3	ControlUndefined3						
4	ControlFootController						
5	ControlPortamentoTime						
6	ControlDataEntryMSB						
7	ControlChannelVolume				Master Level		
8	ControlBalance						
9	ControlUndefined9	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled
10	ControlPan					Pan	
11	ControlExpressionController						
12	ControlEffectControl1			Hi EQ	Damage Type	DelayTime (steps)	Delay
13	ControlEffectControl2	Drive	Drive	HF Damp	Damage Control	Feedback	Feedback
14	ControlUndefined14	Bass	Bass	Decay	Parameter 1	Dry/Wet Balance	Rate
15	ControlUndefined15	Middle	Low Mid	Dry/Wet	Parameter 2	Unit	Modulation Amount
16	ControlGeneralPurpose1	Treble	Hi Mid	SmallSpace Size	Damage On/Off	Step Length	
17	ControlGeneralPurpose2	Volume	Volume	SmallSpace Mod Rate	Cut On/Off		
18	ControlGeneralPurpose3			SmallSpace Room Shape	Cut Lo		
19	ControlGeneralPurpose4			SmallSpace LF Damp	Cut Mid		
20	ControlUndefined20			SmallSpace Wall Irreg	Cut Hi		
21	ControlUndefined21	Presence	Treble	SmallSpace Predelay			
22	ControlUndefined22	Volume Pedal		SmallSpace Mod Amount			
23	ControlUndefined23	Wah Pedal amount	Comp Threshold	Room Size			
24	ControlUndefined24			Room Diffusion			
25	ControlUndefined25			Room Shape			
26	ControlUndefined26			Room ER -> Late Delay			
27	ControlUndefined27			Room ER Level			
28	ControlUndefined28			Room Predelay			
29	ControlUndefined29			Room Mod Amount			
30	ControlUndefined30			Hall Size			LFO Sync Enable
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)						
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)	Wah Pedal On	Compressor On	MultiTap 1 Delay	Body On/Off		
71	ControlSoundController2 (Harmonic Intensity)			MultiTap 1 Delay Steps	Body Resonance		
72	ControlSoundController3 (Release time)			MultiTap 2 Delay			
73	ControlSoundController4 (Attack time)			MultiTap 2 Delay Steps			
74	ControlSoundController5 (Brightness)			MultiTap 3 Delay	Body Scale		
75	ControlSoundController6			MultiTap 3 Delay Steps			
76	ControlSoundController7			MultiTap 4 Delay			
77	ControlSoundController8			MultiTap 4 Delay Steps			
78	ControlSoundController9			MultiTap 1 Level	Body Auto		
79	ControlSoundController10			MultiTap 2 Level	Body Type		
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						
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			Gate Threshold			
103	ControlUndefined103			Gate Decay Mod			
104	ControlUndefined104			Gate Trig Source			
105	ControlUndefined105			Gate High Pass			
106	ControlUndefined106			Gate Attack			
107	ControlUndefined107			Gate Hold			
108	ControlUndefined108			Gate Release			
109	ControlUndefined109			EQ Low Gain			
110	ControlUndefined110			EQ Low Freq			
111	ControlUndefined111			EQ Param Gain			
112	ControlUndefined112			EQ Param Freq			
113	ControlUndefined113			EQ Param Q			
114	ControlUndefined114						
115	ControlUndefined115						
116	ControlUndefined116						
117	ControlUndefined117						
118	ControlUndefined118						
119	ControlUndefined119						
120	ControlReservedForChannelModeMessages120						
121	ControlReservedForChannelModeMessages121						
122	ControlReservedForChannelModeMessages122						
123	ControlReservedForChannelModeMessages123						
124	ControlReservedForChannelModeMessages124						
125	ControlReservedForChannelModeMessages125						
126	ControlReservedForChannelModeMessages126						
127	ControlReservedForChannelModeMessages127						

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Subtractor	Thor	Malström	NN-19	NN-XT
0	ControlBankSelect					
1	ControlModulationWheel	Mod Wheel	Mod Wheel	Mod Wheel	Mod Wheel	Mod Wheel
2	ControlBreathController					Mod Wheel 2*
3	ControlUndefined3					
4	ControlFootController		Osc 1+2 Level			
5	ControlPortamentoTime	Portamento	Portamento	Portamento	Portamento	
6	ControlDataEntryMSB					
7	ControlChannelVolume	Master Level	Master Level	Master Level	Master Level	Master Volume
8	ControlBalance		Mixer 1-2 Balance			
9	ControlUndefined9	Amp Env Decay	Amp Env Decay	Oscillator B Decay	Amp Env Decay	Amp Env Decay
10	ControlPan		Amplifier Pan			
11	ControlExpressionController					Mod Wheel 2**
12	ControlEffectControl1	Amp Env Sustain	Delay Dry/wet	Oscillator B Sustain	Amp Env Sustain	
13	ControlEffectControl2		Chorus Dry/Wet			
14	ControlUndefined14	Filter Env Attack	Filter Env Attack	Filter Env Attack	Filter Env Attack	
15	ControlUndefined15	Filter Env Decay	Filter Env Decay	Filter Env Decay	Filter Env Decay	Mod Env Decay
16	ControlGeneralPurpose1	Filter Env Sustain	Filter Env Sustain	Filter Env Sustain	Filter Env Sustain	
17	ControlGeneralPurpose2	Filter Env Release	Filter Env Release	Filter Env Release	Filter Env Release	
18	ControlGeneralPurpose3	Filter Env Amount	Delay Time	Filter Env Amount	Filter Env Amount	
19	ControlGeneralPurpose4	Filter Env Invert	Osc 3 Level	Filter Env Invert	Filter Env Invert	
20	ControlUndefined20	Osc1 Wave	Osc1 Mod Amount		Sample Start	
21	ControlUndefined21	Osc1 Octave	Osc1 Octave	Oscillator B Octave	Osc Octave	
22	ControlUndefined22	Osc1 Semitone	Osc1 Semitone	Oscillator B Semi	Osc Semitone	
23	ControlUndefined23	Osc1 Fine Tune	Osc1 Fine Tune	Oscillator B Cent	Osc Fine Tune	
24	ControlUndefined24		Osc1 Type		Osc Env Amount	
25	ControlUndefined25	Osc1 Kbd Track	Delay Feedback	Modulator A On/Off	Osc Kbd Track	
26	ControlUndefined26	LFO1 Rate	LFO1 Rate	Modulator A Rate	LFO Rate	
27	ControlUndefined27	LFO1 Amount	LFO1 Delay	Modulator A To Pitch	LFO Amount	
28	ControlUndefined28	LFO1 Wave	LFO1 Wave	Modulator A Curve	LFO Wave	
29	ControlUndefined29	LFO1 Dest	LFO1 Kbd track	Modulator A One Shot	LFO Dest	
30	ControlUndefined30	LFO Sync Enable	LFO1 Key Sync Enable	Modulator A Target	LFO Sync Enable	
31	ControlUndefined31		LFO1 Tempo Sync Enable	Modulator A To Index		
32	ControlLSB0 (Bank select)					
33	ControlLSB1 (ModWheel)	Filter Freq Mod Wheel Amount	Mod Bus 1 Amount	Mod Wheel To Filter	Filter Freq Mod Wheel Amount	
34	ControlLSB2 (Breath)	Filter Res Mod Wheel Amount	Mod Bus 2 Amount	Mod Wheel To Index	Filter Res Mod Wheel Amount	
35	ControlLSB3 (Undefined)	LFO1Mod Wheel Amount	Mod Bus 3 Amount	Mod Wheel To Modulator	Filter Decay Mod Wheel Amount	
36	ControlLSB4 (Foot controller)	FM Mod Wheel Amount	Mod Bus 4 Amount	Mod Wheel Target	Amp Mod Wheel Amount	
37	ControlLSB5 (Portamento time)	Phase Diff Mod Wheel Amount	Mod Bus 5 Amount	Mod Wheel To Shift	LFO Mod Wheel Amount	
38	ControlLSB6 (DataEntry LSB)					
39	ControlLSB7 (Channel Volume)	Pitch Bend Range	Pitch Bend Range	Pitch Bend Range	Pitch Bend Range	
40	ControlLSB8 (Balance)	Filter Freq Ext Mod	Mod Bus 6 Amount	Modulator A To Shift	Filter Freq Ext Mod	
41	ControlLSB9 (Undefined)	LFO1 Ext Mod,	Mod Bus 7 Amount	Oscillator B On/Off	LFO Ext Mod	
42	ControlLSB10 (Pan)	Amp Ext Mod	Mod Bus 8 Amount	Oscillator B Index	Amp Ext Mod	
43	ControlLSB11 (Expression)	Ext Mod Select	Mod Bus 9 Amount	Oscillator B Motion	Ext Mod Select	
44	ControlLSB12 (Effect control 1)	FM Ext Mod	Mod Bus 10 Amount	Oscillator B Shift		
45	ControlLSB13 (Effect control 2)	Amp Vel Amount	Mod Bus 11 Amount		Amp Vel Amount	
46	ControlLSB14 (Undefined)	Filter Env Vel Amount	Mod Bus 12 Amount	Velocity To Filter Env	Filter Env Vel Amount	
47	ControlLSB15 (Undefined)	Filter Decay Vel Amount	Mod Bus 13 Amount	Velocity Target	Filter Decay Vel Amount	
48	ControlLSB16 (General purpose 1)	Amp Attack Vel Amount	Osc3 Mod Amount	Velocity To Attack	Amp Attack Vel Amount	
49	ControlLSB17 (General purpose 2)	FM Vel Amount	Osc3 Octave	Velocity To Level B	Sample Start Vel Amount	
50	ControlLSB18 (General purpose 3)	Mod Env Vel Amount	Osc3 Semitone	Velocity To Level A		
51	ControlLSB19 (General purpose 4)	Phase Vel Amount	Osc3 Fine Tune	Velocity To Shift		
52	ControlLSB20 (Undefined)	Filter2 Freq Vel Amount	Osc3 Type	Velocity To Modulator		
53	ControlLSB21 (Undefined)	Mix Vel Amount	Osc3 Sync Amount	Oscillator B Gain		
54	ControlLSB22 (Undefined)		Osc3 Sync Enabled	Filter A On/Off		
55	ControlLSB23 (Undefined)		Chorus Delay	Filter A Mode	Solo Sample	
56	ControlLSB24 (Undefined)		Filter 2 Kbd Track	Shaper On/Off	Spread Mode	
57	ControlLSB25 (Undefined)		Filter 3 Type	Shaper Mode	Stereo Spread	
58	ControlLSB26 (Undefined)		Filter 3 Freq	Shaper Amount		
59	ControlLSB27 (Undefined)		Filter 3 Res	Route Oscillator B To Filter B		
60	ControlLSB28 (Undefined)		Filter 3 Kbd Track	Route Oscillator A To Filter B		
61	ControlLSB29 (Undefined)		Rotary 1	Route Oscillator A To Shaper		
62	ControlLSB30 (Undefined)		Rotary 2	Route Filter B To Shaper		
63	ControlLSB31 (Undefined)		Button 1			
64	ControlDamperPedal (Sustain)					
65	ControlPortamentoOnOff		Portament Mode			
66	ControlSostenuto		Amp Env Sustain			
67	ControlSoftPedal		Button 2			
68	ControlLegatoFootSwitch	Key Mode	Key Mode	Legato On/Off	Key Mode	
69	ControlHold2		Sequencer Run Mode	Modulator A Sync		
70	ControlSoundController1 (Sound Variation)		Sequencer Direction	Modulator B Sync		
71	ControlSoundController2 (Harmonic Intensity)	Filter Res	Filter 1 Res	Filter B Resonance	Filter Res	Filter Res
72	ControlSoundController3 (Release time)	Amp Env Release	Amp Env Release	Oscillator B Release	Amp Env Release	Amp Env Release
73	ControlSoundController4 (Attack time)	Amp Env Attack	Amp Env Attack	Oscillator B Attack	Amp Env Attack	Amp Env Attack
74	ControlSoundController5 (Brightness)	Filter Freq	Filter 1 Freq	Filter B Freq	Filter Freq	Filter Freq
75	ControlSoundController6	Filter2 On/Off	Filter 2 to Amp Enabled	Filter B On/Off	Filter On/Off	
76	ControlSoundController7	Filter Type	Filter 1 Type	Filter B Mode	Filter Mode	
77	ControlSoundController8	Filter Kbd Track	Filter 1 Kbd Track	Filter B Kbd Track	Filter Kbd Track	
78	ControlSoundController9	Filter2 Res	Filter 2 Res	Filter A Resonance		
79	ControlSoundController10	Filter2 Freq	Filter 2 Freq	Filter A Freq		
80	ControlGeneralPurposeController5	Filter Link Freq On/Off	Shaper Output Dest	Filter A Env		
81	ControlGeneralPurposeController6	Noise On/Off	Shaper On/Off	Filter A Kbd Track		
82	ControlGeneralPurposeController7	Noise Level	Shaper Drive	Filter B Env		
83	ControlGeneralPurposeController8	Noise Decay	Chours Feedback			
84	ControlPortamentoControl	Noise Color	Shaper Type			
85	ControlUndefined85	Mod Env Gain	Delay Mod Rate			
86	ControlUndefined86	Mod Env Invert	Delay Mod Amount	Oscillator A Shift		
87	ControlUndefined87	Mod Env Attack	Mod Env Attack	Oscillator A Attack		
88	ControlUndefined88	Mod Env Decay	Mod Env Decay	Oscillator A Decay		
89	ControlUndefined89	Mod Env Sustain	Filter 2 Type	Oscillator A Sustain		
90	ControlUndefined90	Mod Env Release	Mod Env Release	Oscillator A Release		
91	ControlEffects1Depth	Mod Env Dest	Mod Env Loop Enabled	Oscillator A Gain		
92	ControlEffects2Depth	Osc1 Phase Mode	Global Env Loop Enabled	Oscillator A Motion		
93	ControlEffects3Depth	Osc1 Phase Diff	Chorus Mod Amount	Oscillator A Index		
94	ControlEffects4Depth	Osc2 On/Off	Osc2 Type			
95	ControlEffects5Depth	Osc2 Wave	Osc2 Mod Amount	Oscillator A On/Off		
96	ControlDataIncrement					
97	ControlDataDecrement					
98	ControlNonRegisteredParameterNumberLSB					
99	ControlNonRegisteredParameterNumberMSB					
100	ControlRegisteredParameterNumberLSB					
101	ControlRegisteredParameterNumberMSB					
102	ControlUndefined102	Osc2 Octave	Osc2 Octave	Oscillator A Octave		
103	ControlUndefined103	Osc2 Semitone	Osc2 Semitone	Oscillator A Semi		
104	ControlUndefined104	Osc2 Fine Tune	Osc2 Fine Tune	Oscillator A Cent		
105	ControlUndefined105	Osc2 Phase Mode	Osc2 Sync Amount	Spread Amount		
106	ControlUndefined106	Osc2 Phase Diff	Osc2 Sync Enabled			
107	ControlUndefined107	Osc Mix	Seq Rate			
108	ControlUndefined108	FM Amount	AM Amount			
109	ControlUndefined109	Ring Mod	LFO2 Tempo Sync			
110	ControlUndefined110	LFO2 Rate	LFO2 Rate	Modulator B Rate		
111	ControlUndefined111	LFO2 Amount	LFO2 Wave	Modulator B To Level		
112	ControlUndefined112	LFO2 Delay	LFO2 Delay	Modulator B To Filter		
113	ControlUndefined113	LFO2 Dest	LFO2 Key Sync Enable	Modulator B To Modulator A		
114	ControlUndefined114	LFO2 Kbd Track	Global Env Delay	Modulator B On/Off		
115	ControlUndefined115	Osc2 Kbd Track	Global Env Attack	Modulator B Curve		
116	ControlUndefined116		Global Env Hold	Modulator B One Shot		
117	ControlUndefined117		Global Env Decay	Modulator B Target		
118	ControlUndefined118		Global Env Sustain	Modulator B To Motion		
119	ControlUndefined119		Global Env Release			
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

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Dr. Rex	Redrum	BV512 Vocoder	RV-7 Reverb	D-11 Distortion	ECF-42 Filter
0	ControlBankSelect						
1	ControlModulationWheel	Mod Wheel					
2	ControlBreathController						
3	ControlUndefined3		Pattern Select		Algorithm		
4	ControlFootController						
5	ControlPortamentoTime		Flam Amount				
6	ControlDataEntryMSB						
7	ControlChannelVolume	Master Level	Master Level				
8	ControlBalance		Drum 1 Level				
9	ControlUndefined9	Amp Env Decay	Drum 2 Level	Enabled	Enabled	Enabled	Enabled
10	ControlPan		Drum 3 Level	Shift			
11	ControlExpressionController						
12	ControlEffectControl1	Amp Env Sustain	Drum 4 Level	Band Count	Size	Amount	Mode
13	ControlEffectControl2		Drum 5 Level	Vocoder/Equalizer	Damping	Foldback	Sustain
14	ControlUndefined14	Filter Env Attack	Drum 6 Level	Dry/Wet	Decay		Release
15	ControlUndefined15	Filter Env Decay	Drum 7 Level	Band Level 1	Dry/Wet		Velocity
16	ControlGeneralPurpose1	Filter Env Sustain	Drum 8 Level	Band Level 2			Env Amount
17	ControlGeneralPurpose2	Filter Env Release	Drum 9 Level	Band Level 3			
18	ControlGeneralPurpose3	Filter Env Amount	Drum 10 Level	Band Level 4			
19	ControlGeneralPurpose4		Drum 1 Pan	Band Level 5			
20	ControlUndefined20		Drum 2 Pan	Band Level 6			
21	ControlUndefined21	Osc Octave	Drum 3 Pan	Band Level 7			
22	ControlUndefined22	Transpose	Drum 4 Pan	Band Level 8			
23	ControlUndefined23	Osc Fine Tune	Drum 5 Pan	Band Level 9			
24	ControlUndefined24	Osc Env Amount	Drum 6 Pan	Band Level 10			
25	ControlUndefined25		Drum 7 Pan	Band Level 11			
26	ControlUndefined26	LFO1 Rate	Drum 8 Pan	Band Level 12			
27	ControlUndefined27	LFO1 Amount	Drum 9 Pan	Band Level 13			
28	ControlUndefined28	LFO1 Wave	Drum 10 Pan	Band Level 14			
29	ControlUndefined29	LFO1 Dest	Drum 1 Send 1 Amount	Band Level 15			
30	ControlUndefined30	LFO Sync Enable	Drum 2 Send 1 Amount	Band Level 16			
31	ControlUndefined31		Drum 3 Send 1 Amount				
32	ControlLSB0 (Bank select)						
33	ControlLSB1 (ModWheel)	Filter Freq Mod Wheel Amount	Drum 4 Send 1 Amount				
34	ControlLSB2 (Breath)	Filter Res Mod Wheel Amount	Drum 5 Send 1 Amount				
35	ControlLSB3 (Undefined)	Filter Decay Mod Wheel Amount	Drum 6 Send 1 Amount				
36	ControlLSB4 (Foot controller)	Amp Vel Amount	Drum 7 Send 1 Amount				
37	ControlLSB5 (Portamento time)		Drum 8 Send 1 Amount				
38	ControlLSB6 (DataEntry LSB)						
39	ControlLSB7 (Channel Volume)	Pitch Bend Range	Drum 9 Send 1 Amount				
40	ControlLSB8 (Balance)		Drum 10 Send 1 Amount				
41	ControlLSB9 (Undefined)		Drum 1 Send 2 Amount				
42	ControlLSB10 (Pan)		Drum 2 Send 2 Amount				
43	ControlLSB11 (Expression)		Drum 3 Send 2 Amount				
44	ControlLSB12 (Effect control 1)		Drum 4 Send 2 Amount				
45	ControlLSB13 (Effect control 2)		Drum 5 Send 2 Amount				
46	ControlLSB14 (Undefined)	Filter Env Vel Amount	Drum 6 Send 2 Amount				
47	ControlLSB15 (Undefined)	Filter Decay Vel Amount	Drum 7 Send 2 Amount				
48	ControlLSB16 (General purpose 1)		Drum 8 Send 2 Amount				
49	ControlLSB17 (General purpose 2)		Drum 9 Send 2 Amount				
50	ControlLSB18 (General purpose 3)		Drum 10 Send 2 Amount				
51	ControlLSB19 (General purpose 4)		Drum 1 Pitch				
52	ControlLSB20 (Undefined)		Drum 2 Pitch				
53	ControlLSB21 (Undefined)		Drum 3 Pitch				
54	ControlLSB22 (Undefined)		Drum 4 Pitch				
55	ControlLSB23 (Undefined)		Drum 5 Pitch				
56	ControlLSB24 (Undefined)		Drum 6 Pitch				
57	ControlLSB25 (Undefined)		Drum 7 Pitch				
58	ControlLSB26 (Undefined)		Drum 8 Pitch				
59	ControlLSB27 (Undefined)		Drum 9 Pitch				
60	ControlLSB28 (Undefined)		Drum 10 Pitch				
61	ControlLSB29 (Undefined)		Drum 1 Tone				
62	ControlLSB30 (Undefined)		Drum 2 Tone				
63	ControlLSB31 (Undefined)		Drum 10 Tone				
64	ControlDampPedal (Sustain)			Hold			
65	ControlPortamentoOnOff		Drum 6 Pitch Bend Amount				
66	ControlSostenuto		Drum 7 Pitch Bend Amount				
67	ControlSoftPedal		Drum 1 Vel to Level				
68	ControlLegatoFootSwitch		Drum 2 Vel to Level				
69	ControlHold2		Drum 3 Vel to Level				
70	ControlSoundController1 (Sound Variation)		Drum 4 Vel to Level				
71	ControlSoundController2 (Harmonic Intensity)	Filter Res	Drum 5 Vel to Level				Resonance
72	ControlSoundController3 (Release time)	Amp Env Release	Drum 6 Vel to Level				Decay
73	ControlSoundController4 (Attack time)	Amp Env Attack	Drum 7 Vel to Level	Decay			Attack
74	ControlSoundController5 (Brightness)	Filter Freq	Drum 8 Vel to Level	Attack			Frequency
75	ControlSoundController6	Filter On/Off	Drum 9 Vel to Level	HF Emphasis			
76	ControlSoundController7	Filter Mode	Drum 10 Vel to Level				
77	ControlSoundController8		Drum 1 Length				
78	ControlSoundController9		Drum 2 Length				
79	ControlSoundController10		Drum 3 Length				
80	ControlGeneralPurposeController5		Drum 4 Length				
81	ControlGeneralPurposeController6		Drum 5 Length				
82	ControlGeneralPurposeController7		Drum 6 Length				
83	ControlGeneralPurposeController8		Drum 7 Length				
84	ControlPortamentoControl		Drum 8 Length				
85	ControlUndefined85		Drum 9 Length				
86	ControlUndefined86		Drum 10 Length				
87	ControlUndefined87		Drum 3 Sample Start				
88	ControlUndefined88		Drum 4 Sample Start				
89	ControlUndefined89		Drum 5 Sample Start				
90	ControlUndefined90		Drum 8 Sample Start				
91	ControlEffects1Depth		Drum 9 Sample Start				
92	ControlEffects2Depth		Pattern Enable				
93	ControlEffects3Depth						
94	ControlEffects4Depth		Drum 6 Vel to Pitch Bend				
95	ControlEffects5Depth		Drum 7 Vel to Pitch Bend				
96	ControlDataIncrement						
97	ControlDataDecrement						
98	ControlNonRegisteredParameterNumberLSB						
99	ControlNonRegisteredParameterNumberMSB						
100	ControlRegisteredParameterNumberLSB						
101	ControlRegisteredParameterNumberMSB						
102	ControlUndefined102		Drum 6 Pitch Bend Rate	Band Level 17			
103	ControlUndefined103		Drum 7 Pitch Bend Rate	Band Level 18			
104	ControlUndefined104		Drum 1 Vel to Tone	Band Level 19			
105	ControlUndefined105		Drum 2 Vel to Tone	Band Level 20			
106	ControlUndefined106		Drum 10 Vel to Tone	Band Level 21			
107	ControlUndefined107		Drum 3 Vel to Sample Start	Band Level 22			
108	ControlUndefined108		Drum 4 Vel to Sample Start	Band Level 23			
109	ControlUndefined109		Drum 5 Vel to Sample Start	Band Level 24			
110	ControlUndefined110		Drum 8 Vel to Sample Start	Band Level 25			
111	ControlUndefined111		Drum 9 Vel to Sample Start	Band Level 26			
112	ControlUndefined112			Band Level 27			
113	ControlUndefined113			Band Level 28			
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						

Record Version 1 and Reason Version 4 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	PH-90 Phaser	UN-16 Unison	COMP-01 Compressor	PEQ2 Param. EQ	Matrix	RPG-8 Arpeggiator
0	ControlBankSelect						
1	ControlModulationWheel						Mod Wheel
2	ControlBreathController						Breath
3	ControlUndefined3					Pattern Select	
4	ControlFootController						
5	ControlPortamentoTime						
6	ControlDataEntryMSB						
7	ControlChannelVolume						Velocity
8	ControlBalance						
9	ControlUndefined9	Enabled	Enabled	Enabled	Enabled	Pattern Enable	
10	ControlPan						
11	ControlExpressionController						
12	ControlEffectControl1	Split	Detune	Threshold	Filter A Gain		Mode
13	ControlEffectControl2	Feedback	Voice Count	Attack	Filter B Gain		Insert
14	ControlUndefined14	Rate	Dry/Wet	Release	Filter B On/Off		
15	ControlUndefined15	Frequency Modulation					
16	ControlGeneralPurpose1	Width		Ratio			Arpeggiator Enable (On)
17	ControlGeneralPurpose2						Octave
18	ControlGeneralPurpose3						Single Note Repeat
19	ControlGeneralPurpose4						Shuffle
20	ControlUndefined20						
21	ControlUndefined21						Octave Shift
22	ControlUndefined22						Free Rate
23	ControlUndefined23						
24	ControlUndefined24						
25	ControlUndefined25						
26	ControlUndefined26						Synced Rate
27	ControlUndefined27						Gate Length
28	ControlUndefined28						Pattern Step Count
29	ControlUndefined29						Pattern
30	ControlUndefined30	LFO Sync Enable					Sync
31	ControlUndefined31						Hold
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)						
40	ControlLSB8 (Balance)						
41	ControlLSB9 (Undefined)						
42	ControlLSB10 (Pan)						Manual Velocity
43	ControlLSB11 (Expression)						
44	ControlLSB12 (Effect control 1)						
45	ControlLSB13 (Effect control 2)						Pattern Enable
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)						
71	ControlSoundController2 (Harmonic Intensity)					Filter A Q	
72	ControlSoundController3 (Release time)						
73	ControlSoundController4 (Attack time)						
74	ControlSoundController5 (Brightness)	Frequency				Filter A Freq	
75	ControlSoundController6						
76	ControlSoundController7						
77	ControlSoundController8						
78	ControlSoundController9					Filter B Q	
79	ControlSoundController10					Filter B Freq	
80	ControlGeneralPurposeController5						
81	ControlGeneralPurposeController6						
82	ControlGeneralPurposeController7						
83	ControlGeneralPurposeController8						
84	ControlPortamentoControl						
85	ControlUndefined85						
86	ControlUndefined86						
87	ControlUndefined87						
88	ControlUndefined88						
89	ControlUndefined89						
90	ControlUndefined90						
91	ControlEffects1Depth						
92	ControlEffects2Depth					Enable	
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						
117	ControlUndefined117						
118	ControlUndefined118						
119	ControlUndefined119						
120	ControlReservedForChannelModeMessages120						
121	ControlReservedForChannelModeMessages121						
122	ControlReservedForChannelModeMessages122						
123	ControlReservedForChannelModeMessages123						
124	ControlReservedForChannelModeMessages124						
125	ControlReservedForChannelModeMessages125						
126	ControlReservedForChannelModeMessages126						
127	ControlReservedForChannelModeMessages127						

Record+Reason MIDI Key Mapping

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