



REASON

MIDI Implementation Chart

Reason Version 5 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	Combinator	Mixer 14:2	Line Mixer 6:2	Subtractor	Thor
0	ControlBankSelect					
1	ControlModulationWheel	Mod Wheel			Mod Wheel	Mod Wheel
2	ControlBreathController					
3	ControlUndefined3					
4	ControlFootController					Osc 1+2 Level
5	ControlPortamentoTime				Portamento	Portamento
6	ControlDataEntryMSB					
7	ControlChannelVolume		Master Level	Master Level	Master Level	Master Level
8	ControlBalance		Channel 1 Level	Channel 1 Level		Mixer 1-2 Balance
9	ControlUndefined9	Enabled	Channel 2 Level	Channel 2 Level	Amp Env Decay	Amp Env Decay
10	ControlPan		Channel 3 Level	Channel 3 Level		Amplifier Pan
11	ControlExpressionController					
12	ControlEffectControl1		Channel 4 Level	Channel 4 Level	Amp Env Sustain	Delay Dry/wet
13	ControlEffectControl2		Channel 5 Level	Channel 5 Level		Chorus Dry/Wet
14	ControlUndefined14		Channel 6 Level	Channel 6 Level	Filter Env Attack	Filter Env Attack
15	ControlUndefined15		Channel 7 Level		Filter Env Decay	Filter Env Decay
16	ControlGeneralPurpose1		Channel 8 Level		Filter Env Sustain	Filter Env Sustain
17	ControlGeneralPurpose2		Channel 9 Level		Filter Env Release	Filter Env Release
18	ControlGeneralPurpose3		Channel 10 Level		Filter Env Amount	Delay Time
19	ControlGeneralPurpose4		Channel 11 Level		Filter Env Invert	Osc 3 Level
20	ControlUndefined20		Channel 12 Level		Osc1 Wave	Osc1 Mod Amount
21	ControlUndefined21		Channel 13 Level		Osc1 Octave	Osc1 Octave
22	ControlUndefined22		Channel 14 Level		Osc1 Semitone	Osc1 Semitone
23	ControlUndefined23		Channel 1 Pan	Channel 1 Pan	Osc1 Fine Tune	Osc1 Fine Tune
24	ControlUndefined24		Channel 2 Pan	Channel 2 Pan		Osc1 Type
25	ControlUndefined25		Channel 3 Pan	Channel 3 Pan	Osc1 Kbd Track	Delay Feedback
26	ControlUndefined26		Channel 4 Pan	Channel 4 Pan	LFO1 Rate	LFO1 Rate
27	ControlUndefined27		Channel 5 Pan	Channel 5 Pan	LFO1 Amount	LFO1 Delay
28	ControlUndefined28		Channel 6 Pan	Channel 6 Pan	LFO1 Wave	LFO1 Wave
29	ControlUndefined29		Channel 7 Pan		LFO1 Dest	LFO1 Kbd track
30	ControlUndefined30		Channel 8 Pan		LFO Sync Enable	LFO1 Key Sync Enable
31	ControlUndefined31		Channel 9 Pan			LFO1 Tempo Sync Enable
32	ControlLSB0 (Bank select)					
33	ControlLSB1 (ModWheel)		Channel 10 Pan		Filter Freq Mod Wheel Amount	Mod Bus 1 Amount
34	ControlLSB2 (Breath)		Channel 11 Pan		Filter Res Mod Wheel Amount	Mod Bus 2 Amount
35	ControlLSB3 (Undefined)		Channel 12 Pan		LFO1Mod Wheel Amount	Mod Bus 3 Amount
36	ControlLSB4 (Foot controller)		Channel 13 Pan		FM Mod Wheel Amount	Mod Bus 4 Amount
37	ControlLSB5 (Portamento time)		Channel 14 Pan		Phase Diff Mod Wheel Amount	Mod Bus 5 Amount
38	ControlLSB6 (DataEntry LSB)					
39	ControlLSB7 (Channel Volume)		Channel 1 Aux 1 Send	Channel 1 Aux Send	Pitch Bend Range	Pitch Bend Range
40	ControlLSB8 (Balance)		Channel 2 Aux 1 Send	Channel 2 Aux Send	Filter Freq Ext Mod	Mod Bus 6 Amount
41	ControlLSB9 (Undefined)		Channel 3 Aux 1 Send	Channel 3 Aux Send	LFO1 Ext Mod	Mod Bus 7 Amount
42	ControlLSB10 (Pan)		Channel 4 Aux 1 Send	Channel 4 Aux Send	Amp Ext Mod	Mod Bus 8 Amount
43	ControlLSB11 (Expression)		Channel 5 Aux 1 Send	Channel 5 Aux Send	Ext Mod Select	Mod Bus 9 Amount
44	ControlLSB12 (Effect control 1)		Channel 6 Aux 1 Send	Channel 6 Aux Send	FM Ext Mod	Mod Bus 10 Amount
45	ControlLSB13 (Effect control 2)		Channel 7 Aux 1 Send		Amp Vel Amount	Mod Bus 11 Amount
46	ControlLSB14 (Undefined)		Channel 8 Aux 1 Send		Filter Env Vel Amount	Mod Bus 12 Amount
47	ControlLSB15 (Undefined)		Channel 9 Aux 1 Send		Filter Decay Vel Amount	Mod Bus 13 Amount
48	ControlLSB16 (General purpose 1)		Channel 10 Aux 1 Send		Amp Attack Vel Attack	Osc3 Mod Amount
49	ControlLSB17 (General purpose 2)		Channel 11 Aux 1 Send		FM Vel Amount	Osc3 Octave
50	ControlLSB18 (General purpose 3)		Channel 12 Aux 1 Send		Mod Env Vel Amount	Osc3 Semitone
51	ControlLSB19 (General purpose 4)		Channel 13 Aux 1 Send		Phase Vel Amount	Osc3 Fine Tune
52	ControlLSB20 (Undefined)		Channel 14 Aux 1 Send		Filter2 Freq Vel Amount	Osc3 Type
53	ControlLSB21 (Undefined)		Channel 1 Aux 2 Send		Mix Vel Amount	Osc3 Sync Amount
54	ControlLSB22 (Undefined)		Channel 2 Aux 2 Send			Osc3 Sync Enabled
55	ControlLSB23 (Undefined)		Channel 3 Aux 2 Send			Chorus Delay
56	ControlLSB24 (Undefined)		Channel 4 Aux 2 Send			Filter 2 Kbd Track
57	ControlLSB25 (Undefined)		Channel 5 Aux 2 Send			Filter 3 Type
58	ControlLSB26 (Undefined)		Channel 6 Aux 2 Send			Filter 3 Freq
59	ControlLSB27 (Undefined)		Channel 7 Aux 2 Send			Filter 3 Res
60	ControlLSB28 (Undefined)		Channel 8 Aux 2 Send			Filter 3 Kbd Track
61	ControlLSB29 (Undefined)		Channel 9 Aux 2 Send			Rotary 1
62	ControlLSB30 (Undefined)		Channel 10 Aux 2 Send			Rotary 2
63	ControlLSB31 (Undefined)		Channel 11 Aux 2 Send			Button 1
64	ControlDamperPedal (Sustain)					
65	ControlPortamentoOnOff		Channel 12 Aux 2 Send			Portament Mode
66	ControlSostenuto		Channel 13 Aux 2 Send			Amp Env Sustain
67	ControlSoftPedal		Channel 14 Aux 2 Send			Button 2
68	ControlLegatoFootSwitch		Channel 1 Bass Amount		Key Mode	Key Mode
69	ControlHold2		Channel 2 Bass Amount			Sequencer Run Mode
70	ControlSoundController1 (Sound Variation)		Channel 3 Bass Amount			Sequencer Direction
71	ControlSoundController2 (Harmonic Intensity)	Rotary 1	Channel 4 Bass Amount		Filter Res	Filter 1 Res
72	ControlSoundController3 (Release time)	Rotary 2	Channel 5 Bass Amount		Amp Env Release	Amp Env Release
73	ControlSoundController4 (Attack time)	Rotary 3	Channel 6 Bass Amount		Amp Env Attack	Amp Env Attack
74	ControlSoundController5 (Brightness)	Rotary 4	Channel 7 Bass Amount		Filter Freq	Filter 1 Freq
75	ControlSoundController6	Button 1	Channel 8 Bass Amount		Filter2 On/Off	Filter 2 to Amp Enabled
76	ControlSoundController7	Button 2	Channel 9 Bass Amount		Filter Type	Filter 1 Type
77	ControlSoundController8	Button 3	Channel 10 Bass Amount		Filter Kbd Track	Filter 1 Kbd Track
78	ControlSoundController9	Button 4	Channel 11 Bass Amount		Filter2 Res	Filter 2 Res
79	ControlSoundController10		Channel 12 Bass Amount		Filter2 Freq	Filter 2 Freq
80	ControlGeneralPurposeController5		Channel 13 Bass Amount		Filter Link Freq On/Off	Shaper Output Dest
81	ControlGeneralPurposeController6		Channel 14 Bass Amount		Noise On/Off	Shaper On/Off
82	ControlGeneralPurposeController7		Channel 1 Treble Amount		Noise Level	Shaper Drive
83	ControlGeneralPurposeController8		Channel 2 Treble Amount		Noise Decay	Chours Feedback
84	ControlPortamentoControl		Channel 3 Treble Amount		Noise Color	Shaper Type
85	ControlUndefined85		Channel 4 Treble Amount		Mod Env Gain	Delay Mod Rate
86	ControlUndefined86		Channel 5 Treble Amount		Mod Env Invert	Delay Mod Amount
87	ControlUndefined87		Channel 6 Treble Amount		Mod Env Attack	Mod Env Attack
88	ControlUndefined88		Channel 7 Treble Amount		Mod Env Decay	Mod Env Decay
89	ControlUndefined89		Channel 8 Treble Amount		Mod Env Sustain	Filter 2 Type
90	ControlUndefined90		Channel 9 Treble Amount		Mod Env Release	Mod Env Release
91	ControlEffects1Depth		Channel 10 Treble Amount		Mod Env Dest	Mod Env Loop Enabled
92	ControlEffects2Depth		Channel 11 Treble Amount		Osc1 Phase Mode	Global Env Loop Enabled
93	ControlEffects3Depth		Channel 12 Treble Amount		Osc1 Phase Diff	Chorus Mod Amount
94	ControlEffects4Depth		Channel 13 Treble Amount		Osc2 On/Off	Osc2 Type
95	ControlEffects5Depth		Channel 14 Treble Amount		Osc2 Wave	Osc2 Mod Amount
96	ControlDataIncrement					
97	ControlDataDecrement					
98	ControlNonRegisteredParameterNumberLSB					
99	ControlNonRegisteredParameterNumberMSB					
100	ControlRegisteredParameterNumberLSB					
101	ControlRegisteredParameterNumberMSB					
102	ControlUndefined102		Channel 1 Aux 3 Send		Osc2 Octave	Osc2 Octave
103	ControlUndefined103		Channel 2 Aux 3 Send		Osc2 Semitone	Osc2 Semitone
104	ControlUndefined104		Channel 3 Aux 3 Send		Osc2 Fine Tune	Osc2 Fine Tune
105	ControlUndefined105		Channel 4 Aux 3 Send		Osc2 Phase Mode	Osc2 Sync Amount
106	ControlUndefined106		Channel 5 Aux 3 Send		Osc2 Phase Diff	Osc2 Sync Enabled
107	ControlUndefined107		Channel 6 Aux 3 Send		Osc Mix	Seq Rate
108	ControlUndefined108		Channel 7 Aux 3 Send		FM Amount	AM Amount
109	ControlUndefined109		Channel 8 Aux 3 Send		Ring Mod	LFO2 Tempo Sync
110	ControlUndefined110		Channel 9 Aux 3 Send		LFO2 Rate	LFO2 Rate
111	ControlUndefined111		Channel 10 Aux 3 Send		LFO2 Amount	LFO2 Wave
112	ControlUndefined112		Channel 11 Aux 3 Send		LFO2 Delay	LFO2 Delay
113	ControlUndefined113		Channel 12 Aux 3 Send		LFO2 Dest	LFO2 Key Sync Enable
114	ControlUndefined114		Channel 13 Aux 3 Send		LFO2 Kbd Track	Global Env Delay
115	ControlUndefined115		Channel 14 Aux 3 Send		Osc2 Kbd Track	Global Env Attack
116	ControlUndefined116		Aux 1 Return Level	Aux Return Level		Global Env Hold
117	ControlUndefined117		Aux 2 Return Level			Global Env Decay
118	ControlUndefined118		Aux 3 Return Level			Global Env Sustain
119	ControlUndefined119		Aux 4 Return Level			Global Env Release
120	ControlReservedForChannelModeMessages120					
121	ControlReservedForChannelModeMessages121					
122	ControlReservedForChannelModeMessages122					
123	ControlReservedForChannelModeMessages123					
124	ControlReservedForChannelModeMessages124					
125	ControlReservedForChannelModeMessages125					
126	ControlReservedForChannelModeMessages126					
127	ControlReservedForChannelModeMessages127					

Reason Version 5 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	MClass Equalizer	MClass Stereo Imager	MClass Compressor	MClass Maximizer
0	ControlBankSelect				
1	ControlModulationWheel				
2	ControlBreathController				
3	ControlUndefined3				
4	ControlFootController				
5	ControlPortamentoTime				
6	ControlDataEntryMSB				
7	ControlChannelVolume			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)	Parametric 1 Q			
72	ControlSoundController3 (Release time)				
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				

Reason Version 5 MIDI Controller Chart

MIDI Contr. #	MIDI Controller Name	RV7000 Reverb	Scream 4	BV512 Vocoder	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
10	ControlPan			Shift	Pan	
11	ControlExpressionController					
12	ControlEffectControl1	Hi EQ	Damage Type	Band Count	DelayTime (steps)	Delay
13	ControlEffectControl2	HF Damp	Damage Control	Vocoder/Equalizer	Feedback	Feedback
14	ControlUndefined14	Decay	Parameter 1	Dry/Wet	Dry/Wet Balance	Rate
15	ControlUndefined15	Dry/Wet	Parameter 2	Band Level 1	Unit	Modulation Amount
16	ControlGeneralPurpose1	SmallSpace Size	Damage On/Off	Band Level 2	Step Length	
17	ControlGeneralPurpose2	SmallSpace Mod Rate	Cut On/Off	Band Level 3		
18	ControlGeneralPurpose3	SmallSpace Room Shape	Cut Lo	Band Level 4		
19	ControlGeneralPurpose4	SmallSpace LF Damp	Cut Mid	Band Level 5		
20	ControlUndefined20	SmallSpace Wall Irreg	Cut Hi	Band Level 6		
21	ControlUndefined21	SmallSpace Predelay		Band Level 7		
22	ControlUndefined22	SmallSpace Mod Amount		Band Level 8		
23	ControlUndefined23	Room Size		Band Level 9		
24	ControlUndefined24	Room Diffusion		Band Level 10		
25	ControlUndefined25	Room Shape		Band Level 11		
26	ControlUndefined26	Room ER -> Late Delay		Band Level 12		
27	ControlUndefined27	Room ER Level		Band Level 13		
28	ControlUndefined28	Room Predelay		Band Level 14		
29	ControlUndefined29	Room Mod Amount		Band Level 15		
30	ControlUndefined30	Hall Size		Band Level 16		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)			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)	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		Decay		
74	ControlSoundController5 (Brightness)	MultiTap 3 Delay	Body Scale	Attack		
75	ControlSoundController6	MultiTap 3 Delay Steps		HF Emphasis		
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		Band Level 17		
103	ControlUndefined103	Gate Decay Mod		Band Level 18		
104	ControlUndefined104	Gate Trig Source		Band Level 19		
105	ControlUndefined105	Gate High Pass		Band Level 20		
106	ControlUndefined106	Gate Attack		Band Level 21		
107	ControlUndefined107	Gate Hold		Band Level 22		
108	ControlUndefined108	Gate Release		Band Level 23		
109	ControlUndefined109	EQ Low Gain		Band Level 24		
110	ControlUndefined110	EQ Low Freq		Band Level 25		
111	ControlUndefined111	EQ Param Gain		Band Level 26		
112	ControlUndefined112	EQ Param Freq		Band Level 27		
113	ControlUndefined113	EQ Param Q		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					

Reason Version 5 MIDI Controller Chart

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

MIDI Contr. #	MIDI Controller Name	Redrum	Kong	RV-7 Reverb	D-11 Distortion	ECF-42 Filter
0	ControlBankSelect					
1	ControlModulationWheel		Mod Wheel			
2	ControlBreathController					
3	ControlUndefined3	Pattern Select	Drum 1 DM Variable	Algorithm		
4	ControlFootController		Bus FX P1			
5	ControlPortamentoTime	Fiam Amount	Bus FX P2			
6	ControlDataEntryMSB					
7	ControlChannelVolume	Master Level	Master Level			
8	ControlBalance	Drum 1 Level	Bus FX to Master FX Level			
9	ControlUndefined9	Drum 2 Level	Master FX P1	Enabled	Enabled	Enabled
10	ControlPan	Drum 3 Level	Master FX P2			
11	ControlExpressionController					
12	ControlEffectControl1	Drum 4 Level	Drum 1 Level	Size	Amount	Mode
13	ControlEffectControl2	Drum 5 Level	Drum 2 Level	Damping	Foldback	Sustain
14	ControlUndefined14	Drum 6 Level	Drum 3 Level	Decay		Release
15	ControlUndefined15	Drum 7 Level	Drum 4 Level	Dry/Wet		Velocity
16	ControlGeneralPurpose1	Drum 8 Level	Drum 5 Level			Env Amount
17	ControlGeneralPurpose2	Drum 9 Level	Drum 6 Level			
18	ControlGeneralPurpose3	Drum 10 Level	Drum 7 Level			
19	ControlGeneralPurpose4	Drum 1 Pan	Drum 8 Level			
20	ControlUndefined20	Drum 2 Pan	Drum 9 Level			
21	ControlUndefined21	Drum 3 Pan	Drum 10 Level			
22	ControlUndefined22	Drum 4 Pan	Drum 11 Level			
23	ControlUndefined23	Drum 5 Pan	Drum 12 Level			
24	ControlUndefined24	Drum 6 Pan	Drum 13 Level			
25	ControlUndefined25	Drum 7 Pan	Drum 14 Level			
26	ControlUndefined26	Drum 8 Pan	Drum 15 Level			
27	ControlUndefined27	Drum 9 Pan	Drum 16 Level			
28	ControlUndefined28	Drum 10 Pan	Drum 1 Pan			
29	ControlUndefined29	Drum 1 Send 1 Amount	Drum 2 Pan			
30	ControlUndefined30	Drum 2 Send 1 Amount	Drum 3 Pan			
31	ControlUndefined31	Drum 3 Send 1 Amount	Drum 4 Pan			
32	ControlLSB0 (Bank select)					
33	ControlLSB1 (ModWheel)	Drum 4 Send 1 Amount	Drum 5 Pan			
34	ControlLSB2 (Breath)	Drum 5 Send 1 Amount	Drum 6 Pan			
35	ControlLSB3 (Undefined)	Drum 6 Send 1 Amount	Drum 7 Pan			
36	ControlLSB4 (Foot controller)	Drum 7 Send 1 Amount	Drum 8 Pan			
37	ControlLSB5 (Portamento time)	Drum 8 Send 1 Amount	Drum 9 Pan			
38	ControlLSB6 (DataEntry LSB)					
39	ControlLSB7 (Channel Volume)	Drum 9 Send 1 Amount	Drum 10 Pan			
40	ControlLSB8 (Balance)	Drum 10 Send 1 Amount	Drum 11 Pan			
41	ControlLSB9 (Undefined)	Drum 1 Send 2 Amount	Drum 12 Pan			
42	ControlLSB10 (Pan)	Drum 2 Send 2 Amount	Drum 13 Pan			
43	ControlLSB11 (Expression)	Drum 3 Send 2 Amount	Drum 14 Pan			
44	ControlLSB12 (Effect control 1)	Drum 4 Send 2 Amount	Drum 15 Pan			
45	ControlLSB13 (Effect control 2)	Drum 5 Send 2 Amount	Drum 16 Pan			
46	ControlLSB14 (Undefined)	Drum 6 Send 2 Amount	Drum 1 Bus FX Send			
47	ControlLSB15 (Undefined)	Drum 7 Send 2 Amount	Drum 2 Bus FX Send			
48	ControlLSB16 (General purpose 1)	Drum 8 Send 2 Amount	Drum 3 Bus FX Send			
49	ControlLSB17 (General purpose 2)	Drum 9 Send 2 Amount	Drum 4 Bus FX Send			
50	ControlLSB18 (General purpose 3)	Drum 10 Send 2 Amount	Drum 5 Bus FX Send			
51	ControlLSB19 (General purpose 4)	Drum 1 Pitch	Drum 6 Bus FX Send			
52	ControlLSB20 (Undefined)	Drum 2 Pitch	Drum 7 Bus FX Send			
53	ControlLSB21 (Undefined)	Drum 3 Pitch	Drum 8 Bus FX Send			
54	ControlLSB22 (Undefined)	Drum 4 Pitch	Drum 9 Bus FX Send			
55	ControlLSB23 (Undefined)	Drum 5 Pitch	Drum 10 Bus FX Send			
56	ControlLSB24 (Undefined)	Drum 6 Pitch	Drum 11 Bus FX Send			
57	ControlLSB25 (Undefined)	Drum 7 Pitch	Drum 12 Bus FX Send			
58	ControlLSB26 (Undefined)	Drum 8 Pitch	Drum 13 Bus FX Send			
59	ControlLSB27 (Undefined)	Drum 9 Pitch	Drum 14 Bus FX Send			
60	ControlLSB28 (Undefined)	Drum 10 Pitch	Drum 15 Bus FX Send			
61	ControlLSB29 (Undefined)	Drum 1 Tone	Drum 16 Bus FX Send			
62	ControlLSB30 (Undefined)	Drum 2 Tone	Drum 1 Aux 1 Send			
63	ControlLSB31 (Undefined)	Drum 10 Tone	Drum 2 Aux 1 Send			
64	ControlDamperPedal (Sustain)					
65	ControlPortamentoOnOff	Drum 6 Pitch Bend Amount	Drum 3 Aux 1 Send			
66	ControlSostenuto	Drum 7 Pitch Bend Amount	Drum 4 Aux 1 Send			
67	ControlSoftPedal	Drum 1 Vel to Level	Drum 5 Aux 1 Send			
68	ControlLegatoFootSwitch	Drum 2 Vel to Level	Drum 6 Aux 1 Send			
69	ControlHold2	Drum 3 Vel to Level	Drum 7 Aux 1 Send			
70	ControlSoundController1 (Sound Variation)	Drum 4 Vel to Level	Drum 8 Aux 1 Send			
71	ControlSoundController2 (Harmonic Intensity)	Drum 5 Vel to Level	Drum 9 Aux 1 Send			
72	ControlSoundController3 (Release time)	Drum 6 Vel to Level	Drum 10 Aux 1 Send			Resonance
73	ControlSoundController4 (Attack time)	Drum 7 Vel to Level	Drum 11 Aux 1 Send			Decay
74	ControlSoundController5 (Brightness)	Drum 8 Vel to Level	Drum 12 Aux 1 Send			Attack
75	ControlSoundController6	Drum 9 Vel to Level	Drum 13 Aux 1 Send			Frequency
76	ControlSoundController7	Drum 10 Vel to Level	Drum 14 Aux 1 Send			
77	ControlSoundController8	Drum 1 Length	Drum 15 Aux 1 Send			
78	ControlSoundController9	Drum 2 Length	Drum 16 Aux 1 Send			
79	ControlSoundController10	Drum 3 Length	Pad 1 Solo			
80	ControlGeneralPurposeController5	Drum 4 Length	Pad 2 Solo			
81	ControlGeneralPurposeController6	Drum 5 Length	Pad 3 Solo			
82	ControlGeneralPurposeController7	Drum 6 Length	Pad 4 Solo			
83	ControlGeneralPurposeController8	Drum 7 Length	Pad 5 Solo			
84	ControlPortamentoControl	Drum 8 Length	Pad 6 Solo			
85	ControlUndefined85	Drum 9 Length	Pad 7 Solo			
86	ControlUndefined86	Drum 10 Length	Pad 8 Solo			
87	ControlUndefined87	Drum 3 Sample Start	Pad 9 Solo			
88	ControlUndefined88	Drum 4 Sample Start	Pad 10 Solo			
89	ControlUndefined89	Drum 5 Sample Start	Pad 11 Solo			
90	ControlUndefined90	Drum 8 Sample Start	Pad 12 Solo			
91	ControlEffects1Depth	Drum 9 Sample Start	Pad 13 Solo			
92	ControlEffects2Depth	Pattern Enable	Pad 14 Solo			
93	ControlEffects3Depth		Pad 15 Solo			
94	ControlEffects4Depth	Drum 6 Vel to Pitch Bend	Pad 16 Solo			
95	ControlEffects5Depth	Drum 7 Vel to Pitch Bend	Drum 2 DM Variable			
96	ControlDataIncrement					
97	ControlDataDecrement					
98	ControlNonRegisteredParameterNumberLSB					
99	ControlNonRegisteredParameterNumberMSB					
100	ControlRegisteredParameterNumberLSB					
101	ControlRegisteredParameterNumberMSB					
102	ControlUndefined102	Drum 6 Pitch Bend Rate	Pad 1 Mute			
103	ControlUndefined103	Drum 7 Pitch Bend Rate	Pad 2 Mute			
104	ControlUndefined104	Drum 1 Vel to Tone	Pad 3 Mute			
105	ControlUndefined105	Drum 2 Vel to Tone	Pad 4 Mute			
106	ControlUndefined106	Drum 10 Vel to Tone	Pad 5 Mute			
107	ControlUndefined107	Drum 3 Vel to Sample Start	Pad 6 Mute			
108	ControlUndefined108	Drum 4 Vel to Sample Start	Pad 7 Mute			
109	ControlUndefined109	Drum 5 Vel to Sample Start	Pad 8 Mute			
110	ControlUndefined110	Drum 8 Vel to Sample Start	Pad 9 Mute			
111	ControlUndefined111	Drum 9 Vel to Sample Start	Pad 10 Mute			
112	ControlUndefined112		Pad 11 Mute			
113	ControlUndefined113		Pad 12 Mute			
114	ControlUndefined114		Pad 13 Mute			
115	ControlUndefined115		Pad 14 Mute			
116	ControlUndefined116		Pad 15 Mute			
117	ControlUndefined117		Pad 16 Mute			
118	ControlUndefined118		Drum 3 DM Variable			
119	ControlUndefined119		Drum 4 DM Variable			
120	ControlReservedForChannelModeMessages120					
121	ControlReservedForChannelModeMessages121					
122	ControlReservedForChannelModeMessages122					
123	ControlReservedForChannelModeMessages123					
124	ControlReservedForChannelModeMessages124					
125	ControlReservedForChannelModeMessages125					
126	ControlReservedForChannelModeMessages126					
127	ControlReservedForChannelModeMessages127					

Reason Version 5 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					Enable	
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						

