REASON

propellerhead

MIDI Implementation Chart

Reason 4 MIDI Controller Chart - Page 1

MIDI Contr. #	MIDI Controller Name	Mixer 14:2	NN-19	NN-XT	Subtractor	Thor	Malström	Redrum	Dr. Rex
0	*ControlBankSelect*								
1	*ControlModulationWheel*		Mod Wheel	Mod Wheel	Mod Wheel	Mod Wheel	Mod Wheel		Mod Wheel
2	*ControlBreathController*			Mod Wheel 2*					
3	ControlUndefined3							Pattern Select	
4	ControlFootController					Osc 1+2 Level			
5	ControlPortamentoTime		Portamento		Portamento	Portamento	Portamento	Flam Amount	
6	*ControlDataEntryMSB*								
7	ControlChannelVolume	Master Level	Master Level	Master Volume	Master Level	Master Level	Master Level	Master Level	Master Level
8	ControlBalance	Channel 1 Level				Mixer 1-2 Balance		Drum 1 Level	
9	ControlUndefined9	Channel 2 Level	Amp Env Decay	Amp Env Decay	Amp Env Decay	Amp Env Decay	Oscillator B Decay	Drum 2 Level	Amp Env Decay
10	ControlPan	Channel 3 Level				Amplifier Pan		Drum 3 Level	
11	*ControlExpressionController*			Mod Wheel 2**					
12	ControlEffectControl1	Channel 4 Level	Amp Env Sustain		Amp Env Sustain	Delay Dry/wet	Oscillator B Sustain	Drum 4 Level	Amp Env Sustain
13	ControlEffectControl2	Channel 5 Level				Chorus Dry/Wet		Drum 5 Level	
14	ControlUndefined14	Channel 6 Level	Filter Env Attack		Filter Env Attack	Filter Env Attack	Filter Env Attack	Drum 6 Level	Filter Env Attack
15	ControlUndefined15	Channel 7 Level	Filter Env Decay	Mod Env Decay	Filter Env Decay	Filter Env Decay	Filter Env Decay	Drum 7 Level	Filter Env Decay
16	ControlGeneralPurpose1	Channel 8 Level	Filter Env Sustain		Filter Env Sustain	Filter Env Sustain	Filter Env Sustain	Drum 8 Level	Filter Env Sustain
17	ControlGeneralPurpose2	Channel 9 Level	Filter Env Release		Filter Env Release	Filter Env Release	Filter Env Release	Drum 9 Level	Filter Env Release
18	ControlGeneralPurpose3	Channel 10 Level	Filter Env Amount		Filter Env Amount	Delay Time	Filter Env Amount	Drum 10 Level	Filter Env Amount
19	ControlGeneralPurpose4	Channel 11 Level	Filter Env Invert		Filter Env Invert	Osc 3 Level	Filter Env Invert	Drum 1 Pan	
20	ControlUndefined20	Channel 12 Level	Sample Start		Osc1 Wave	Osc1 Mod Amount		Drum 2 Pan	
21	ControlUndefined21	Channel 13 Level	Osc Octave		Osc1 Octave	Osc1 Octave	Oscillator B Octave	Drum 3 Pan	Osc Octave
22	ControlUndefined22	Channel 14 Level	Osc Semitone		Osc1 Semitone	Osc1 Semitone	Oscillator B Semi	Drum 4 Pan	Transpose
23	ControlUndefined23	Channel 1 Pan	Osc1 Fine Tune		Osc1 Fine Tune	Osc1 Fine Tune	Oscillator B Cent	Drum 5 Pan	Osc Fine Tune
24	ControlUndefined24	Channel 2 Pan	Osc Env Amount			Osc1 Type		Drum 6 Pan	Osc Env Amount
25	ControlUndefined25	Channel 3 Pan	Osc Kbd Track		Osc1 Kbd Track	Delay Feedback	Modulator A On/Off	Drum 7 Pan	
26	ControlUndefined26	Channel 4 Pan	LFO1 Rate		LFO1 Rate	LFO1 Rate	Modulator A Rate	Drum 8 Pan	LFO1 Rate
27	ControlUndefined27	Channel 5 Pan	LFO1 Amount		LFO1 Amount	LFO1 Delay	Modulator A To Pitch	Drum 9 Pan	LFO1 Amount
28	ControlUndefined28	Channel 6 Pan	LFO Wave		LFO1 Wave	LFO1 Wave	Modulator A Curve	Drum 10 Pan	LFO1 Wave
29	ControlUndefined29	Channel 7 Pan	LFO Dest		LFO1 Dest	LFO1 Kbd track	Modulator A One Shot	Drum 1 Send 1 Amount	LFO1 Dest
30	ControlUndefined30	Channel 8 Pan	LFO Sync Enable		LFO Sync Enable	LFO1 Key Sync Enable	Modulator A Target	Drum 2 Send 1 Amount	LFO Sync Enable
31	ControlUndefined31	Channel 9 Pan				LFO1 Tempo Sync Enable	Modulator A To Index	Drum 3 Send 1 Amount	
32	*ControlLSB0 (Bank select)*								
33	ControlLSB1 (ModWheel)	Channel 10 Pan	Filter Freq Mod Wheel Amount		Filter Freq Mod Wheel Amount	Mod Bus 1 Amount	Mod Wheel To Filter	Drum 4 Send 1 Amount	Filter Freq Mod Wheel Amount
34	ControlLSB2 (Breath)	Channel 11 Pan	Filter Res Mod Wheel Amount		Filter Res Mod Wheel Amount	Mod Bus 2 Amount	Mod Wheel To Index	Drum 5 Send 1 Amount	Filter Res Mod Wheel Amount
35	ControlLSB3 (Undefined)	Channel 12 Pan	Filter Decay Mod Wheel Amount		LFO1Mod Wheel Amount	Mod Bus 3 Amount	Mod Wheel To Modulator	Drum 6 Send 1 Amount	Filter Decay Mod Wheel Amount
36	ControlLSB4 (Foot controller)	Channel 13 Pan	Amp Mod Wheel Amount		FM Mod Wheel Amount	Mod Bus 4 Amount	Mod Wheel Target	Drum 7 Send 1 Amount	Amp Vel Amount
37	ControlLSB5 (Portamento time)	Channel 14 Pan	LFO Mod Wheel Amount		Phase Diff Mod Wheel Amount	Mod Bus 5 Amount	Mod Wheel To Shift	Drum 8 Send 1 Amount	
38	*ControlLSB6 (DataEntry LSB)*								
39	ControlLSB7 (Channel Volume)	Channel 1 Aux 1 Send	Pitch Bend Range		Pitch Bend Range	Pitch Bend Range	Pitch Bend Range	Drum 9 Send 1 Amount	Pitch Bend Range
40	ControlLSB8 (Balance)	Channel 2 Aux 1 Send	Filter Freq Ext Mod		Filter Freq Ext Mod	Mod Bus 6 Amount	Modulator A To Shift	Drum 10 Send 1 Amount	
41	ControlLSB9 (Undefined)	Channel 3 Aux 1 Send	LFO Ext Mod		LFO1 Ext Mod,	Mod Bus 7 Amount	Oscillator B On/Off	Drum 1 Send 2 Amount	
42	ControlLSB10 (Pan)	Channel 4 Aux 1 Send	Amp Ext Mod		Amp Ext Mod	Mod Bus 8 Amount	Oscillator B Index	Drum 2 Send 2 Amount	
43	ControlLSB11 (Expression)	Channel 5 Aux 1 Send	Ext Mod Select		Ext Mod Select	Mod Bus 9 Amount	Oscillator B Motion	Drum 3 Send 2 Amount	
44	ControlLSB12 (Effect control 1)	Channel 6 Aux 1 Send			FM Ext Mod	Mod Bus 10 Amount	Oscillator B Shift	Drum 4 Send 2 Amount	
45	ControlLSB13 (Effect control 2)	Channel 7 Aux 1 Send	Amp Vel Amount		Amp Vel Amount	Mod Bus 11 Amount		Drum 5 Send 2 Amount	
46	ControlLSB14 (Undefined)	Channel 8 Aux 1 Send	Filter Env Vel Amount		Filter Env Vel Amount	Mod Bus 12 Amount	Velocity To Filter Env	Drum 6 Send 2 Amount	Filter Env Vel Amount
47	ControlLSB15 (Undefined)	Channel 9 Aux 1 Send	Filter Decay Vel Amount		Filter Decay Vel Amount	Mod Bus 13 Amount	Velocity Target	Drum 7 Send 2 Amount	Filter Decay Vel Amount
48	ControlLSB16 (General purpose 1)	Channel 10 Aux 1 Send	Amp Attack Vel Amount		Amp3 Mod Amount	Osc3 Mod Amount	Velocity To Attack	Drum 8 Send 2 Amount	
49	ControlLSB17 (General purpose 2)	Channel 11 Aux 1 Send	Sample Start Vel Amount		FM Vel Amount	Osc3 Octave	Velocity To Level B	Drum 9 Send 2 Amount	
50	ControlLSB18 (General purpose 3)	Channel 12 Aux 1 Send	Mod Env Vel Amount		Mod Env Vel Amount	Osc3 Semitone	Velocity To Level A	Drum 10 Send 2 Amount	
51	ControlLSB19 (General purpose 4)	Channel 13 Aux 1 Send			Phase Vel Amount	Osc3 Fine Tune	Velocity To Shift	Drum 1 Pitch	
52	ControlLSB20 (Undefined)	Channel 14 Aux 1 Send			Filter2 Freq Vel Amount	Osc3 Type	Velocity To Modulator	Drum 2 Pitch	
53	ControlLSB21 (Undefined)	Channel 1 Aux 2 Send			Mix Vel Amount	Osc3 Sync Amount	Oscillator B Gain	Drum 3 Pitch	
54	ControlLSB22 (Undefined)	Channel 2 Aux 2 Send				Osc3 Sync Enabled	Filter A On/Off	Drum 4 Pitch	
55	ControlLSB23 (Undefined)	Channel 3 Aux 2 Send	Solo Sample			Chorus Delay	Filter A Mode	Drum 5 Pitch	
56	ControlLSB24 (Undefined)	Channel 4 Aux 2 Send	Spread Mode			Filter 2 Kbd Track	Shaper On/Off	Drum 6 Pitch	
57	ControlLSB25 (Undefined)	Channel 5 Aux 2 Send	Stereo Spread			Filter 3 Type	Shaper Mode	Drum 7 Pitch	
58	ControlLSB26 (Undefined)	Channel 6 Aux 2 Send				Filter 3 Freq	Shaper Amount	Drum 8 Pitch	
59	ControlLSB27 (Undefined)	Channel 7 Aux 2 Send				Filter 3 Res	Route Oscillator B To Filter B	Drum 9 Pitch	
60	ControlLSB28 (Undefined)	Channel 8 Aux 2 Send				Filter 3 Kbd Track	Route Oscillator A To Filter B	Drum 10 Pitch	
61	ControlLSB29 (Undefined)	Channel 9 Aux 2 Send				Rotary 1	Route Oscillator A To Shaper	Drum 1 Tone	
62	ControlLSB30 (Undefined)	Channel 10 Aux 2 Send				Rotary 2	Route Filter B To Shaper	Drum 2 Tone	
63	ControlLSB31 (Undefined)	Channel 11 Aux 2 Send				Button 1		Drum 10 Tone	
64	*ControlDamperPedal (Sustain)*								
65	ControlPortamentoOnOff	Channel 12 Aux 2 Send				Portament Mode		Drum 6 Pitch Bend Amount	
66	ControlSostenuto	Channel 13 Aux 2 Send				Amp Env Sustain		Drum 7 Pitch Bend Amount	
67	ControlSoftPedal	Channel 14 Aux 2 Send				Button 2		Drum 1 Vel to Level	
68	ControlLegatoFootSwitch	Channel 1 Bass Amount	Key Mode		Key Mode	Key Mode	Legato On/Off	Drum 2 Vel to Level	
69	ControlHold2	Channel 2 Bass Amount				Sequencer Run Mode	Modulator A Sync	Drum 3 Vel to Level	
70	ControlSoundController1 (Sound Variation)	Channel 3 Bass Amount				Sequencer Direction	Modulator B Sync	Drum 4 Vel to Level	

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

* Assuming source is set to Breath

** Assuming Source is set to Expression

MIDI Contr. #	MIDI Controller Name	CF-101 Chorus	DDL-1 Delay	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	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled		Pattern Enable	Enabled	Enabled	Enabled	Enabled
10	ControlPan		Pan									Shift			
11	ControlExpressionController														
12	ControlEffectControl1	Delay	DelayTime (steps)	Threshold	Amount	Mode	Filter A Gain	Split	Size			Band Count	Detune	Damage Type	Hi EQ
13	ControlEffectControl2	Feedback	Feedback	Attack	Foldback	Sustain	Filter B Gain	Feedback	Damping			Vocoder/Equalizer	Voice Count	Damage Control	HF Damp
14	ControlUndefined14	Rate	Dry/Wet Balance	Release		Release	Filter B On/Off	Rate	Decay			Dry/Wet	Dry/Wet	Parameter 1	Decay
15	ControlUndefined15	Modulation Amount	Unit			Velocity		Frequency Modulation	Dry/Wet			Band Level 1		Parameter 2	Dry/Wet
16	ControlGeneralPurpose1		Step Length	Ratio		Env Amount		Width				Band Level 2		Damage On/Off	SmallSpace Size
17	ControlGeneralPurpose2											Band Level 3		Cut On/Off	SmallSpace Mod Rate
18	ControlGeneralPurpose3											Band Level 4		Cut Lo	SmallSpace Room Shape
19	ControlGeneralPurpose4											Band Level 5		Cut Mid	SmallSpace LF Damp
20	ControlUndefined20											Band Level 6		Cut Hi	SmallSpace Wall Irreg
21	ControlUndefined21											Band Level 7			SmallSpace Predelay
22	ControlUndefined22											Band Level 8			SmallSpace Mod Amount
23	ControlUndefined23											Band Level 9			Room Size
24	ControlUndefined24											Band Level 10			Room Diffusion
25	ControlUndefined25											Band Level 11			Room Shape
26	ControlUndefined26											Band Level 12			Room ER -> Late Delay
27	ControlUndefined27											Band Level 13			Room ER Level
28	ControlUndefined28											Band Level 14			Room Predelay
29	ControlUndefined29											Band Level 15			Room Mod Amount
30	ControlUndefined30	LFO Sync Enable						LFO Sync Enable				Band Level 16			Hall Size
31	ControlUndefined31														Hall Diffusion
32	ControlLSB0 (Bank select)														
33	ControlLSB1 (ModWheel)														
34	ControlLSB2 (Breath)														Hall Room Shape
35	ControlLSB3 (Undefined)														Hall ER -> Late Delay
36	ControlLSB4 (Foot controller)														Hall ER Level
37	ControlLSB5 (Portamento time)														Hall Predelay
38	ControlLSB6 (DataEntry LSB)														Hall Mod Amount
39	ControlLSB7 (Channel Volume)														Arena Size
40	ControlLSB8 (Balance)														Arena Diffusion
41	ControlLSB9 (Undefined)														Arena Mono Delay
42	ControlLSB10 (Pan)														Arena Mono Level
43	ControlLSB11 (Expression)														Arena Left Delay
44	ControlLSB12 (Effect control 1)														Arena Right Delay
45	ControlLSB13 (Effect control 2)														Arena Stereo Level
46	ControlLSB14 (Undefined)														
47	ControlLSB15 (Undefined)														Plate LF Damp
48	ControlLSB16 (General purpose 1)														Plate Predelay
49	ControlLSB17 (General purpose 2)														Spring Length
50	ControlLSB18 (General purpose 3)														Spring Diffusion
51	ControlLSB19 (General purpose 4)														Spring Dispersion Freq
52	ControlLSB20 (Undefined)														Spring LF Damp
53	ControlLSB21 (Undefined)														Spring Stereo Enable
54	ControlLSB22 (Undefined)														Spring Predelay
55	ControlLSB23 (Undefined)														Spring Dispersion Amount
56	ControlLSB24 (Undefined)														
57	ControlLSB25 (Undefined)														Echo Tempo Sync
58	ControlLSB26 (Undefined)														Echo Time
59	ControlLSB27 (Undefined)														Echo Time Steps
60	ControlLSB28 (Undefined)														Echo Diffusion
61	ControlLSB29 (Undefined)														Echo LF Damp
62	ControlLSB30 (Undefined)														Echo Spread
63	ControlLSB31 (Undefined)														Echo Predelay
64	ControlDamperPedal (Sustain)										Hold				
65	ControlPortamentoOnOff														MultiTap Tempo Sync
66	ControlSostenuto														MultiTap Repeat Time
67	ControlSoftPedal														MultiTap Repeat Time Steps
68	ControlLegatoFootSwitch														MultiTap Diffusion
69	ControlHold2														MultiTap LF Damp
70	ControlSoundController1 (Sound Variation)													Body On/Off	MultiTap 1 Delay

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

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

MIDI Contr. #	MIDI Controller Name	Line Mixer 6:2	Combinator	MClass Equalizer	MClass Stereo Imager	MClass Compressor	MClass Maximizer
71	ControlSoundController2 (Harmonic Intensity)		Rotary 1	Parametric 1 Q			
72	ControlSoundController3 (Release time)		Rotary 2				
73	ControlSoundController4 (Attack time)		Rotary 3				
74	ControlSoundController5 (Brightness)		Rotary 4	Parametric 1 Frequency	X-Over Frequency		
75	ControlSoundController6		Button 1				
76	ControlSoundController7		Button 2				
77	ControlSoundController8		Button 3				
78	ControlSoundController9		Button 4	Parametric 2 Q			
79	ControlSoundController10			Parametric 2 Frequency			
80	ControlGeneralPurposeController5			Low Shelf Q			
81	ControlGeneralPurposeController6			Low Shelf Frequency			
82	ControlGeneralPurposeController7			Hi Shelf Q			
83	ControlGeneralPurposeController8			Hi Shelf Frequency			
84	ControlPortamentoControl						
85	ControlUndefined85						
86	ControlUndefined86						
87	ControlUndefined87						
88	ControlUndefined88						
89	ControlUndefined89						
90	ControlUndefined90						
91	ControlEffects1Depth						
92	ControlEffects2Depth						
93	ControlEffects3Depth						
94	ControlEffects4Depth						
95	ControlEffects5Depth						
96	ControlDataIncrement						
97	ControlDataDecrement						
98	ControlNonRegisteredParameterNumberLSB						
99	ControlNonRegisteredParameterNumberMSB						
100	ControlRegisteredParameterNumberLSB						
101	ControlRegisteredParameterNumberMSB						
102	ControlUndefined102						
103	ControlUndefined103						
104	ControlUndefined104						
105	ControlUndefined105						
106	ControlUndefined106						
107	ControlUndefined107						
108	ControlUndefined108						
109	ControlUndefined109						
110	ControlUndefined110						
111	ControlUndefined111						
112	ControlUndefined112						
113	ControlUndefined113						
114	ControlUndefined114						
115	ControlUndefined115						
116	ControlUndefined116	Aux Return Level					
117	ControlUndefied117						
118	ControlUndefined118						
119	ControlUndefied119						
120	ControlReservedForChannelModeMessages120						
121	ControlReservedForChannelModeMessages121						
122	ControlReservedForChannelModeMessages122						
123	ControlReservedForChannelModeMessages123						
124	ControlReservedForChannelModeMessages124						
125	ControlReservedForChannelModeMessages125						
126	ControlReservedForChannelModeMessages126						
127	ControlReservedForChannelModeMessages127						