

	Transmitted	Recognized	Remarks
1. Basic Information			
MIDI channels	1 – 16	1 – 16	
Note numbers	0 – 127	0 – 127	
Program change	no	0 – 99	Optional, for pattern change
Bank Select response	no	0 – 99	Optional, for pattern change
Modes			
Mode 1: Omni-On, Poly	no	no	
Mode 2: Omni-On, Mono	no	no	
Mode 3: Omni-Off, Poly	no	no	
Mode 4: Omni-Off, Mono	no	no	
Multi Mode	no	no	
Note-On Velocity	YES	YES	
Note-Off Velocity	YES	no	Always transmitted as zero, ignored on receive
Channel Aftersustain	no	no	
Poly (Key) Aftersustain	no	no	
Pitch Bend	no	no	
Active Sensing	no	no	
System Reset	no	no	
Tune Request	no	no	
Universal System Exclusive			
Identity Request	no	YES	
Identity Reply	YES	no	
Manufacturer System Exclusive	no	YES	See product manual for list
NRPNs	YES*	YES	See product manual for explanation
RPN 00 (Pitch Bend Sensitivity)	YES*	no	
RPN 01 (Channel Fine Tune)	YES*	no	
RPN 02 (Channel Coarse Tune)	YES*	no	
RPN 03 (Tuning Program Select)	YES*	no	
RPN 04 (Tuning Bank Select)	YES*	no	
RPN 05 (Modulation Depth Range)	YES*	no	
2. MIDI Timing and Synchronization MIDI Clock			
Song Position Pointer	YES	YES	
Song Select	no	no	
Start	YES	YES	
Continue	YES	YES	
Stop	YES	YES	
MIDI Time Code	no	no	
MIDI Machine Control	no	YES	1 / 9 (Stop / Pause) 2 / 3 (Play / Deferred Play) 6 (Record Strobe) 7 / 8 (Record Exit / Record Pause)
MIDI Show Control	no	no	
3. Extensions Compatibility			
General MIDI compatible? (Level(s)/No)	no	no	
DLS compatible?	no	no	
Standard MIDI Files (Type(s)/No)	no	no	
XMF Files (Type(s)/No)	no	no	
SP-MIDI compatible?	no	no	

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Control #	Function	Transmitted	Recognized	Remarks
0	Bank Select (MSB)	*	no	
1	Modulation Wheel (MSB)	*	no	
2	Breath Controller (MSB)	*	no	
3		*	no	
4	Foot Controller (MSB)	*	no	
5	Portamento Time (MSB)	*	no	
6	Data Entry (MSB)	*	YES	NRPN parm value
7	Channel Volume (MSB)	*	YES	Track Mix Volume
8	Balance (MSB)	*	no	
9		*	no	
10	Pan (MSB)	*	YES	Pan Track's Channel (64 = center)
11	Expression (MSB)	*	YES	Track Level
12	Effect Control 1 (MSB)	*	no	
13	Effect Control 2 (MSB)	*	no	
14		*	no	
15		*	YES	Slice Number (0-8, zero is the main slice)
16	General Purpose Controller 1 (MSB)	*	YES	Slice Start
17	General Purpose Controller 2 (MSB)	*	YES	Slice End
18	General Purpose Controller 3 (MSB)	*	YES	Loop Start
19	General Purpose Controller 4 (MSB)	*	no	
20		*	YES	Loop Time
21		*	YES	Loop Reps
22		*	no	
23		*	no	
24		*	no	
25		*	no	
26		*	no	
27		*	no	
28		*	no	
29		*	no	
30		*	no	
31		*	no	
32	Bank Select (LSB)	*	no	
33	Modulation Wheel (LSB)	*	no	
34	Breath Controller (LSB)	*	no	
35		*	no	
36	Foot Controller (LSB)	*	no	
37	Portamento Time (LSB)	*	no	
38	Data Entry (LSB)	*	no	
39	Channel Volume (LSB)	*	no	
40	Balance (LSB)	*	no	
41		*	no	
42	Pan (LSB)	*	no	
43	Expression (LSB)	*	no	
44	Effect Control 1 (LSB)	*	no	
45	Effect Control 2 (LSB)	*	no	
46		*	no	
47		*	no	
48	General Purpose Controller 1 (LSB)	*	no	
49	General Purpose Controller 2 (LSB)	*	no	
50	General Purpose Controller 3 (LSB)	*	no	
51	General Purpose Controller 4 (LSB)	*	no	
52		*	no	
53		*	no	
54		*	no	
55		*	no	
56		*	no	
57		*	no	
58		*	no	
59		*	no	
60		*	no	
61		*	no	
62		*	no	
63		*	no	

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Control #	Function	Transmitted	Recognized	Remarks
64	Sustain Pedal	*	no	
65	Portamento On/Off	*	no	
66	Sostenuto	*	no	
67	Soft Pedal	*	no	
68	Legato Footswitch	*	no	
69	Hold 2	*	no	
70	Sound Controller 1 (default: Sound Variation)	*	YES	Filter Type (0=LP, 1=BP, 2=HP)
71	Sound Controller 2 (default: Timbre)	*	YES	Filter Resonance
72	Sound Controller 3 (default: Release Time)	*	YES	Envelope 1 Release
73	Sound Controller 4 (default: Attack Time)	*	YES	Envelope 1 Attack
74	Sound Controller 5 (default: Brightness)	*	YES	Filter Cutoff
75	Sound Controller 6 (GM2 default: Decay Time)	*	YES	Envelope 1 Decay
76	Sound Controller 7 (GM2 default: Vibrato Rate)	*	YES	Envelope 1 Attack Hold
77	Sound Controller 8 (GM2 default: Vibrato Depth)	*	YES	Envelope 1 Sustain
78	Sound Controller 9 (GM2 default: Vibrato Delay)	*	YES	Envelope 1 Sustain Hold
79	Sound Controller 10 (GM2 default: Undefined)	*	YES	Envelope 1 Total Time
80	General Purpose Controller 5	*	YES	Envelope 1 Pitch Mod Amount (64=no modulation)
81	General Purpose Controller 6	*	YES	Envelope 1 Filter Mod Amount
82	General Purpose Controller 7	*	YES	Envelope 1 Filter Mod Direction (64-127 = plus)
83	General Purpose Controller 8	*	YES	Envelope 2 Release
84	Portamento Control	*	YES	Envelope 2 Attack
85		*	YES	Envelope 2 Decay
86		*	YES	Envelope 2 Attack Hold
87		*	YES	Envelope 2 Sustain
88		*	YES	Envelope 2 Sustain Hold
89		*	YES	Envelope 2 Total Time
90		*	YES	Envelope 2 Pitch Mod Amount (64=no modulation)
91	Effects 1 Depth (default: Reverb Send)	*	YES	Envelope 2 Filter Mod Amount
92	Effects 2 Depth (default: Tremolo Depth)	*	YES	Envelope 2 Filter Mod Direction (64-127 = plus)
93	Effects 3 Depth (default: Chorus Send)	*	no	
94	Effects 4 Depth (default: Celeste [Detune] Depth)	*	no	
95	Effects 5 Depth (default: Phaser Depth)	*	no	
96	Data Increment	*	no	
97	Data Decrement	*	no	
98	Non-Registered Parameter Number (LSB)	*	YES	Expecting Parm Number (same as CC number)
99	Non-Registered Parameter Number(MSB)	*	YES	Expecting Track Number (0=A1 - 31=D8)
100	Registered Parameter Number (LSB)	*	no	
101	Registered Parameter Number(MSB)	*	no	
102		*	no	
103		*	no	
104		*	no	
105		*	no	
106		*	no	
107		*	no	
108		*	no	
109		*	no	
110		*	no	
111		*	YES	Pan Channel 1**
112		*	YES	Pan Channel 2**
113		*	YES	Pan Channel 3**
114		*	YES	Pan Channel 4**
115		*	YES	Pan Channel 5**
116		*	YES	Pan Channel 6**
117		*	YES	Pan Channel 7**
118		*	YES	Pan Channel 8**
119		*	no	
120	All Sound Off	*	YES	
121	Reset All Controllers	*	YES	Handled the same as all sound off
122	Local Control On/Off	*	YES	
123	All Notes Off	*	YES	Handled the same as all sound off
124	Omni Mode Off	*	no	
125	Omni Mode On	*	no	
126	Poly Mode Off	*	no	
127	Poly Mode	*	no	

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