

# MIDI Implementation Chart

Function...		Transmitted	Recognized	Remarks
Basic Channel	Default	1-16	1-16	Memorized
	Changed	1-16	1-16	
Mode	Default Messages Altered	Mode 3 Mono, Poly *****	Mode 3 Mode 3, 4 (M = 1)	* 2
Note Number :	True Voice	0-127 *****	0-127 0-127	
Velocity	Note On Note Off	O O	O O	
After Touch	Key's Channel's	O O	O O	*1 *1
Pitch Bend		O	O	*1
Control Change	0, 32	O	O	*1 Bank select
	1	O	O	*1 Modulation
	2	O	O	Breath type
	4	O	O	Foot type
	5	O	O	Portamento time
	6, 38	O	O	Data entry
	7	O	O	Volume
	8	O	X	Balance
	10	O	O	Panpot
	11	O	O	Expression
	16	O	X	General purpose controller 1
	17	O	X	General purpose controller 2
	18	O	X	General purpose controller 3
	19	O	X	General purpose controller 4
	64	O	O	Hold 1
	65	O	O	Portamento
	66	O	O	Sostenuto
	67	O	O	Soft
	68	O	O	Legato foot switch
	69	O	O	Hold 2
	70	O	X	Sound variation
	71	O	O	Resonance
	72	O	O	Release time
	73	O	O	Attack time
	74	O	O	Cutoff
	75	O	O	Decay time
	76	O	O	Vibrato rate
77	O	O	Vibrato depth	
78	O	O	Vibrato delay	
80	O	O (Tone 1 Level)	General purpose controller 5	
81	O	O (Tone 2 Level)	General purpose controller 6	
82	O	O (Tone 3 Level)	General purpose controller 7	
83	O	O (Tone 4 Level)	General purpose controller 8	
84	O	O	Portamento control	
91	O	O (Reverb)	General purpose effects 1	
92	X	X	Tremolo	
93	O	O (Chorus)	General purpose effects 3	
94	X	X	Celeste	
95	X	X	Phaser	
1-31, 64-95	X	X	Pedal, Knob, D Beam	
98, 99	X	X	NRPN LSB, MSB	
100, 101	X	O	RPN LSB, MSB	
Program Change :	True Number	O ***** *1	O 0-127 *1	Program No. 1-128
System Exclusive		O	O	*1
System Common :	Song Position Song Select Tune Request	X X X	X X X	
System Real Time :	Clock Commands	X X	X X	
Aux Messages :	All Sound Off Reset All Controllers Local On/Off All Notes Off Active Sensing System Reset	X O *3 X O *3 O *1 X	O O X O (123-127) O X	
Notes	* 1 O X is selectable. * 3 Transmitted only when V-LINK is ON. * 2 Recognized as M=1 even if M≠1.			

Mode 1 : OMNI ON, POLY  
Mode 3 : OMNI OFF, POLY

Mode 2 : OMNI ON, MONO  
Mode 4 : OMNI OFF, MONO

O : Yes  
X : No