

MIDI Implementation Chart

Function...		Transmitted		Recognized	Remarks
Basic Channel	Default Changed	1–16 1–16		1–16 1–16	Memorized
Mode	Default Messages Altered	Mode 3 Mono, Poly *****		Mode 3 Mode 3, 4 (M = 1)	*1
Note Number :	True Voice	0–127 *****		0–127 0–127	
Velocity	Note On Note Off	O O 8n V = 0–127		O O	
After Touch	Key's Channel's	X O *2		O O	
Pitch Bend		O		O	
Control Change	0, 32	O	*2, *3	O	Bank select
	1	O	*2, *3	O	Modulation
	2	O	*2, *3	O	Breath type
	4	O	*2, *3	O	Foot type
	5	O	*2, *3	O	Portamento time
	6, 38	O	*2, *3	O	Data entry
	7	O	*2, *3	O	Volume
	8	O	*2, *3	O	Balance
	10	O	*2, *3	O	Panpot
	11	O	*2, *3	O	Expression
	16	O	*2, *3	X	General purpose controller 1
	17	O	*2, *3	X	General purpose controller 2
	18	O	*2, *3	X	General purpose controller 3
	19	O	*2, *3	X	General purpose controller 4
	64	O	*2, *3	O	Hold 1
	65	O	*2, *3	O	Portamento
	66	O	*2, *3	O	Sostenuto
	67	O	*2, *3	O	Soft
	68	O	*2, *3	O	Legato footswitch
	69	O	*2, *3	O	Hold 2
	70	O	*2, *3	O	Sound variation
	71	O	*2, *3	O	Resonance
	72	O	*2, *3	O	Release time
	73	O	*2, *3	O	Attack Time
	74	O	*2, *3	O	Cutoff
	75	O	*2, *3	O	Decay time
	76	O	*2, *3	O	Vibrato rate
	77	O	*2, *3	O	Vibrato depth
	78	O	*2, *3	O	Vibrato delay
	80	O	*2, *3	X	General purpose controller 5
	81	O	*2, *3	X	General purpose controller 6
	82	O	*2, *3	X	General purpose controller 7
	83	O	*2, *3	X	General purpose controller 8
	84	O	*2, *3	O	Portamento control
	88	O	*2, *3	O	High Resolution Velocity Prefix
	91	O	*2, *3	O	General purpose effects 1
	92	O	*2, *3	O	Tremolo
	93	O	*2, *3	O	General purpose effects 3
	94	O	*2, *3	O	Celeste
	95	O	*2, *3	O	Phaser
	98, 99	O	*2, *3	X	NRPN LSB, MSB
	100, 101	O	*2, *3	O	RPN LSB, MSB
	102–110	O	*4	O	Harmonic Bar 1–9
	112	O	*4	O	Percussion Volume
	114	O	*4	O	Percussion Switch/Decay
	0–127	O	*2, *3	X	
Program Change : True Number		O *****		O 0–127	Program No. 1–128
System Exclusive		O		O	
System Common : Song Position : Song Select : Tune Request		X X X		X X X	
System Real Time : Clock : Commands		O O		X X	
Aux Messages : All Sound Off : Reset All Controllers : Local On/Off : All Notes Off : Active Sensing : System Reset		O O X O O X		*2, *3 *2, *3 *2, *3 X	O (120, 126, 127) O X O (123–127) O X
Notes		*1 Recognized as M ≠ 1 even if M = 1. *2 Transmitted if assigned to pedals, wheels, knobs, sliders. *3 Transmitted if assigned to UserCC *4 Transmitted while the Tone Wheel & Designer Menu screen is displayed.			