

# MIDI Implementation Chart

Function...		Transmitted	Received	Remarks
Basic Channel	Default Change	1-16 1-16	1-16 1-16	Memorized
Mode	Default Messages Altered	X *****	3 X X	
Note Number	True voice	0-127 *****	0-127 *****	*N
Velocity	Note On Note Off	O 100, V=1-127 O 64, V=0-127	X X	*2 *2
After Touch	Key's Channel	X X	X X	
Pitch Bend		O	X	
Control Change	0, 32	O	O	Bank Select (MBS, LSB) *P
	0-127	O	O	As control source *C
Program Change	True Number	O 0-127 *****	O 0-127 0-127	*P
System Exclusive		O	O	*E
System Common	Song Position Song Select Tune Request	X X X	X X X	
System Real Time	Clock Commands	O O	O X	*1 *2
Aux Meassages	Local On/Off All Notes Off Active Sense System Reset	X X O X	X X X X	

**Notes**

- \*N: Transmitted/received when note numbers are enabled.
- \*P: Transmitted/received when program changes are enabled.
- \*C: Transmitted/received when control numbers are selected, and are enabled.
- \*E Transmitted/received when system exclusives are enabled.
- \*1 When MIDI clock is internal, transmitted but not received. The opposite for External or Auto.
- \*2 Transmitted in "Ext. Ctrl" Mode.

Mode 1: Omni On, Poly  
 Mode 3: Omni Off, Poly

Mode 2: Omni On, Mono  
 Mode 4: Omni Off, Mono

O: Yes  
 X: No