

HINTON INSTRUMENTS

Gearbox

MIDI Implementation Chart

Function		Transmitted	Recognised	Remarks
Basic Channel	Default Changed	1-16 1-16	16	
Mode	Default Messages Altered	O	X	
Note Number	True Voice	O	X	* Note 1
Velocity	Note On Note Off	O O	X X	* Note 1 * Note 1
Aftertouch	Key Channel	O O	X X	* Note 1 * Note 1
Pitch Bend		O	X	* Note 1
Control Change		O	X	* Note 1
Program Change		O	O	* Note 1, Note 2
System Exclusive		O	X	* Note 1
System Common	MTC Song Position Song Select Tune	O O O O	X O X X	* Note 1 * Note 1, Note 3 * Note 1 * Note 1
System Real Time	Clock Commands	O O	O O	* Note 1, Note 4 * Note 1, Note 4
Aux Messages	Local ON/OFF All Notes Off Active Sense Reset	O O O O	X X X X	* Note 1 * Note 1 * Note 1

Notes:

- Every received MIDI Byte is retransmitted.
- Program 128, Channel 16 disables received MIDI Clocks, any other Program number on Channel 16 enables them. All Program Changes on Channel 16 reset the clock counters.
- If a Song Position Pointer is received the following Continue will preset the clock counter to sixteenth note resolution, otherwise Continue will reset all counters on the beat.
- MIDI Clocks are generated by analogue or DINSync clocks. MIDI Start, Continue and Stop are generated by analogue, DINSync or panel switches.

O : Yes
X : No

Version 1.1
October 2014