YAMAHA

DIGITAL KEYBOARD
CLAVIER NUMÉRIQUE
TECLADO DIGITAL

PSR-E333
YPT-330

MIDI Data Format
MIDI-Datenformat
Format des données MIDI
Formato de datos MIDI
Formato de dados MIDI

MIDI Implementation Chart / MIDI-Implementationstabelle / MIDI Implementation Chart / Gráfico de implementación MIDI / Tabela de execução de MIDI

Function...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 x	1 - 16 x	
Default Mode Messages Altered	3 x **************	3 x x	
Note Number : True voice	0 - 127 **************	0 - 127 0 - 127	
Velocity Note ON Note OFF	o 9nH,v=1-127 x	o 9nH,v=1-127 x	
After Key's Touch Ch's	x x	x x	
Pitch Bend	x	o	

0,32
            1
            6
          38
       7,10
Control   11
         64
Change 71,73,74
         72
         84
      91,93
      96,97
   100,101
	o
	x *1
	x *1
	x *1
	o
	x *1
	o
	x *1
	o
	x *1
	o
	x
	x
		o
		o
		o
		o
		o
		o
		o
		o
		o
		o
		o
		o
		o
			Bank Select
			Modulation wheel
			Data Entry(MSB)
			Data Entry(LSB)
			
			Expression
			Sustain
			
			Release Time
			Portamento Cntrl
			Effect 1,3 Depth
			RPN Inc,Dec
			RPN LSB,MSB

Prog Change : True #	o 0 - 127 **************	o 0 - 127	
System Exclusive	o	o	
: Song Pos. Common : Song Sel. : Tune	x x x	x x x	
System :Clock Real Time:Commands	o o	o o	

:All Sound OFF
Aux   :Reset All Cntrls
      :Local ON/OFF
Mes- :All Notes OFF
sages:Active Sense
      :Reset
	x
	x
	x
	x
	o
	x
		o(120,126,127)
		o(121)
		o(122)
		o(123-125)
		o
		x	

*1 Refer to #2 on page 3.

Mode 1 : OMNI ON , POLY	Mode 2 : OMNI ON ,MONO	o : Yes
Mode 3 : OMNI OFF, POLY	Mode 4 : OMNI OFF,MONO	x : No

NOTE:

1 By default (factory settings) the instrument ordinarily functions as a 16-channel multi-timbral tone generator, and incoming data does not affect the panel voices or panel settings. However, the MIDI messages listed below do affect the panel voices, auto accompaniment, and songs.
   • MIDI Master Tuning
   • System exclusive messages for changing the Reverb Type and Chorus Type.

2 Messages for these control change numbers cannot be transmitted from the instrument itself. However, they may be transmitted when playing the accompaniment, song or using the Harmony effect.

3 Exclusive
   <GM System ON>
   F0H, 7EH, 7FH, 09H, 01H, F7H
   • This message automatically restores all default settings for the instrument, with the exception of MIDI Master Tuning.

   <MIDI Master Volume>
   F0H, 7FH, 7FH, 04H, 01H, ll, mm, F7H
   • This message allows the volume of all channels to be changed simultaneously (Universal System Exclusive).
   • The values of "mm" is used for MIDI Master Volume. (Values for "ll" are ignored.)

   <MIDI Master Tuning>
   F0H, 43H, 1nH, 27H, 30H, 00H, 00H, mm, ll, cc, F7H
   • This message simultaneously changes the tuning value of all channels.
   • The values of "mm" and "ll" are used for MIDI Master Tuning.
   • The default value of "mm" and "ll" are 08H and 00H, respectively. Any values can be used for "n" and "cc."

   <Reverb Type>
   F0H, 43H, 1nH, 4CH, 02H, 01H, 00H, mmH, llH, F7H
   • mm : Reverb Type MSB
   • ll : Reverb Type LSB
   Refer to the Effect Map for details.

   <Chorus Type>
   F0H, 43H, 1nH, 4CH, 02H, 01H, 20H, mmH, llH, F7H
   • mm : Chorus Type MSB
   • ll : Chorus Type LSB
   Refer to the Effect Map for details.

4 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted. When the clock is set to External, both FAH (accompaniment start) and FCH (accompaniment stop) are recognized.

5 Local ON/OFF
   <Local ON> Bn, 7A, 7F
   <Local OFF> Bn, 7A, 00
   Value for "n" is ignored.

Effect map

* When a Type LSB value is received that corresponds to no effect type, a value corresponding to the effect type (coming the closest to the specified value) is automatically set.
* The numbers in parentheses in front of the Effect Type names correspond to the number indicated in the display.

REVERB

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0	No Effect								
1	(01)Hall1				(02)Hall2	(03)Hall3			
2	Room					(04)Room1		(05)Room2	
3	Stage				(06)Stage1	(07)Stage2			
4	Plate				(08)Plate1	(09)Plate2			
5...127	No Effect								

CHORUS

TYPE MSB	TYPE LSB								
	0	1	2	8	16	17	18	19	20
0...63	No Effect								
64	Thru								
65	Chorus		(2)Chorus2						
66	Celeste					(1)Chorus1			
67	Flanger			(3)Flanger1		(4)Flanger2			
68...127	No Effect								