



**DIGITAL KEYBOARD
CLAVIER NUMÉRIQUE
TECLADO DIGITAL**

PSR-E233

YPT-230

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

**EN
DE
FR
ES
PT**

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

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Model PSR-E233/YPT-230

MIDI Implementation Chart

Version:1.0

Function...	Transmitted	Recognized	Remarks
Basic Default Channel Changed	1 - 16 x	1 - 16 x	
Mode Default 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 *2 x	o 9nH,v=1-127 x	
After Touch Key's Ch's	x x	x x	
Pitch Bend	x	o	
Control Change	0,32 o 1 x *1 6 x *1 38 x *1 7,10 o 11 x *1 64 o 71,73,74 x *1 72 o 84 x *1 91,93 o 96,97 x 100,101 x	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	
Common : Song Pos. : Song Sel. : Tune	x x x	x x x	
System : Clock Real Time: Commands	o o	o o	
Aux :All Sound OFF :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.

*2 Refer to #6 on page 3.

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

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

o : Yes
x : No

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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.
- 6 Since this keyboard does not have touch response, the level of the sound does not change in response to your playing strength. As a result, when you play the keyboard, the velocity value transmitted via MIDI is fixed.
However, the velocity of the accompaniment and song playback does change in response to performance data received via MIDI.

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									