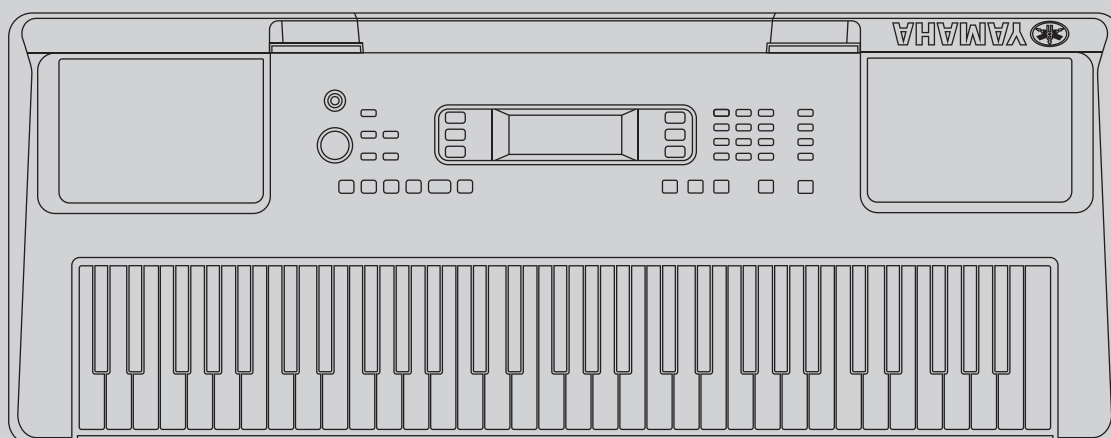# YAMAHA

DIGITAL KEYBOARD
CLAVIER NUMÉRIQUE
TECLADO DIGITAL
電子キーボード

MIDI Reference
Référence MIDI
Referencia MIDI
MIDI-Referenz
MIDIリファレンス

EZ-300

EN FR ES DE

MIDI Implementation Chart / Tableau d'implementation MIDI / Grafico de implementacion MIDI / MIDI-Implementierungstabelle / MIDIインプリメンテーションチャート

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Yamaha      [ Portable Keyboard ]                    Date:26-Feb-2020
Model  EZ-300         MIDI Implementation Chart       Version : 1.0
```

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 9nH,v=0	o 9nH,v=1-127 x	
After Key's Touch Ch's	x x	x x	
Pitch Bend	x	o	
Control 0,32 1 5,65 6 38 Change 7,10 11 64 71,73,74 72 82 83 84 91,93 96,97 100,101	o o x x x o x o x o o x x o x x	o o o o o o o o o o o o o o o o	Bank Select Modulation Portamento Data Entry(MSB) Data Entry(LSB) Main Volume,Pan Expression Sustain Sound Controller Release Time General Purpose Controller General Purpose Controller Portamento Control Effect1,3 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	
Aux :All Sound OFF :Reset All Cntrls :Local ON/OFF Mes- :All Notes OFF sages:All Notes OFF :All Sound OFF :Active Sense :Reset	x x x x x x o x	o(120) o(121) o(122) o(123) o(124-125) o(126,127) o x	

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

MIDI Data Format / MIDI-Datenformat / Format des donnees MIDI / Formato de datos MIDI / MIDIデータフォーマット

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 (page 3) 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 (page 3) 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										
	00	01	02	07	08	16	17	18	19	20	23
000	No Effect										
001	(01)Hall1	(04)Hall4				(02)Hall2	(03)Hall3				(05)Cathedrl
002	Room			(08)Room3			(06)Room1		(07)Room2		
003	Stage					(09)Stage1	(10)Stage2				
004	Plate					(11)Plate1	(12)Plate2				
005...127	No Effect										

CHORUS

TYPE MSB	TYPE LSB								
	00	01	02	08	16	17	18	19	20
000...063	No Effect								
064	No Effect								
065	(3)Chorus3		(2)Chorus2						
066	Celeste					(1)Chorus1			
067	Flanger			(4)Flanger1		(5)Flanger2			
068...127	No Effect								