

# VIVO SX8 MIDI IMPLEMENTATION

## 1. Received data

### ■ Channel Voice Messages

#### ● Note off

Status	2nd byte	3rd byte
8nH	kkH	ccH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*kk= note number: 00H~7FH (0~127)*  
*cc= note off velocity: 00H~7FH (0~127)*

#### ● Note on

Status	2nd byte	3rd byte
9nH	kkH	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*kk= note number: 00H~7FH (0~127)*  
*vv= note on velocity: 00H~7FH (0~127)*

- Not received when Rx.STATUS= OFF. (Initial value is ON)

#### ● Panpot (Controller number 10)

Status	2nd byte	3rd byte
BnH	0AH	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= pan: 00H~40H~7FH (Left~Center~Right). Initial value= 40H (Center)*

- Not received when "Panpot" RX is Off

#### ● Expression (Controller number 11)

Status	2nd byte	3rd byte
BnH	OBH	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Expression: 00H~7FH (0~127), Initial value= 7FH (127)*

- Not received when "Expression" RX is Off.

#### ● Hold (Controller number 64)

Status	2nd byte	3rd byte
BnH	40H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Control value: 00H~7FH (0~127)*

- Not received when "Hold" RX is Off.

#### ● Sostenuto (Controller number 66)

Status	2nd byte	3rd byte
BnH	42H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127= ON*

- Not received when "Sostenuto" RX is Off.

#### ● Soft (Controller number 67)

Status	2nd byte	3rd byte
BnH	43H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127= ON*

- Not received when "Soft" RX is Off.

#### ● Reverb Send Level (Controller number 91)

Status	2nd byte	3rd byte
BnH	5BH	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Reverb Send Level: 00H~7FH (0~127)*

- This message adjusts the Reverb Send Level of each Part.
- Not received when "Reverb" RX is Off.

### ■ Control Change

#### ● Bank Sound Select (Controller number 0, 32 )

Status	2nd byte	3rd byte
BnH	00H	mmH
BnH	20H	llH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*mm= Bank number MSB: 00H~7FH (Initial value= 00H)*  
*ll= Bank number LSB: 00H~7FH (Initial value= 00H)*

- Not received when "PG" Rx is Off.

#### ● Modulation (Controller number 1)

Status	2nd byte	3rd byte
BnH	01H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*  
*vv= Modulation depth: 00H~7FH (0~127)*

- Not received when Rx.MODULATION= OFF (Initial value is ON).

#### ● Volume (Controller number 7)

Status	2nd byte	3rd byte
BnH	07H	vvH

*n= MIDI channel number 0H~FH (Ch.1~16)*  
*vv= Volume: 00H~7FH (0~127),*

- Not received when Rx.VOLUME= OFF (Initial value is ON).

### ● Program Change

Status 2nd byte

CnH ppH

*n= MIDI channel number: 0H~FH (Ch.1~16)*

*pp= Program number: 00H~7FH (prog.1~prog.128)*

• Not received when "PG" RX is Off.

### ● All Notes Off (Controller number 123)

Status 2nd byte 3rd byte

BnH 7BH 00H

*n= MIDI channel number: 0H~FH (Ch.1~16)*

*When All Notes Off is received, all notes on the corresponding channel will be turned off. However, if Hold 1 or Sostenuto is ON, the sound will be continued until these are turned off.*

### ● Pitch Bend Change

Status 2nd byte 3rd byte

EnH IIH mmH

*n= MIDI channel number: 0H~FH (Ch.1~16)*

*mm, II= Pitch Bend value: 00 00H~40 00H~7F 7FH (-8192~0~+8191)*

• Not received when "PB" RX is Off.

### ■ Memory RX

**Midi Message Value Memory**

PG 0 ~ 79 NUMBER: 1 ~ 80

• Default MIDI channel is 15

Example:

• to receive Memory 1 send PG=0

• to receive Memory 43 send PG= 42

• Not received when "Memory RX Status" is Off.

### ● AFTERTOUCH (Channel Pressure)

Status 2nd byte

DnH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16)*

*vv= value: 00H~7FH (0~127)*

• Not received when "Aftertouch" RX is Off.

• The Aftertouch will affect to all notes received in that channel.

### ■ TONE WHEEL MIDI Messages

#### ● UPPER TW 16' (Controller number 16)

Status 2nd byte 3rd byte

BnH 10H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

#### ● UPPER TW 5 1/3' (Controller number 17)

Status 2nd byte 3rd byte

BnH 11H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

#### ● UPPER TW 8' (Controller number 18)

Status 2nd byte 3rd byte

BnH 12H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

#### ● UPPER TW 4' (Controller number 19)

Status 2nd byte 3rd byte

BnH 13H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **UPPER TW 2 2/3' (Controller number 20)**

Status 2nd byte 3rd byte

BnH 14H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 5 1/3' (Controller number 71)**

Status 2nd byte 3rd byte

BnH 47H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **UPPER TW 2' (Controller number 21)**

Status 2nd byte 3rd byte

BnH 15H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 2nd byte 3rd byte*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 8' (Controller number 72)**

Status 2nd byte 3rd byte

BnH 48H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **UPPER TW 1 3/5' (Controller number 22)**

Status 2nd byte 3rd byte

BnH 16H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 4' (Controller number 73)**

Status 2nd byte 3rd byte

BnH 49H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **UPPER TW 1 1/3' (Controller number 23)**

Status 2nd byte 3rd byte

BnH 17H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 2 2/3' (Controller number 74)**

Status 2nd byte 3rd byte

BnH 4AH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **UPPER TW 1' (Controller number 24)**

Status 2nd byte 3rd byte

BnH 18H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 2' (Controller number 75)**

Status 2nd byte 3rd byte

BnH 4BH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 16' (Controller number 70)**

Status 2nd byte 3rd byte

BnH 46H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

● **LOWER TW 1 3/5' (Controller number 76)**

Status 2nd byte 3rd byte

BnH 4CH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● LOWER TW 1 1/3' (Controller number 77)

Status 2nd byte 3rd byte

BnH 4DH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### LOWER TW 1' (Controller number 78)

Status 2nd byte 3rd byte

BnH 4EH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### PEDAL TW 16' (Controller number 14)

Status 2nd byte 3rd byte

BnH 0EH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### PEDAL TW 5 1/3' (Controller number 15)

Status 2nd byte 3rd byte

BnH 0FH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### PEDAL TW 8' (Controller number 25)

Status 2nd byte 3rd byte

BnH 19H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### PEDAL TW 4' (Controller number 26)

Status 2nd byte 3rd byte

BnH 1AH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● PEDAL TW 2 2/3' (Controller number 27)

Status 2nd byte 3rd byte

BnH 1BH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● PEDAL TW 2' (Controller number 28)

Status 2nd byte 3rd byte

BnH 1CH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● PEDAL TW 1 3/5' (Controller number 29)

Status 2nd byte 3rd byte

BnH 1DH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● PEDAL TW 1 1/3' (Controller number 30)

Status 2nd byte 3rd byte

BnH 1EH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● PEDAL TW 1' (Controller number 31)

Status 2nd byte 3rd byte

BnH 1FH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not received when "Organ Control - Status" RX is Off.

### ● TW Percussion ON/OFF (Controller number 87)

Status 2nd byte 3rd byte

BnH 57H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = Off, 7FH = On*

• Not received when "Organ Control - Status" RX is Off.

● **TW Percussion NORMAL/SOFT (Controller number 88)**

Status 2nd byte 3rd byte

BnH 58H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Normal, 7FH = Soft*

• Not received when "Organ Control - Status" RX is Off.

● **TW Overdrive On/Off (Controller number 83)**

Status 2nd byte 3rd byte

BnH 53H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not received when "Organ Control - Status" RX is Off.

● **TW Percussion Time SLOW/FAST (Controller number 89)**

Status 2nd byte 3rd byte

BnH 59H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Slow, 7FH = Fast*

• Not received when "Organ Control - Status" RX is Off.

● **TW Overdrive Level (Controller number 90)**

Status 2nd byte 3rd byte

BnH 5AH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not received when "Organ Control - Status" RX is Off.

● **TW Percussion Harmonic 2nd/3rd (Controller number 95)**

Status 2nd byte 3rd byte

BnH 5FH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 2nd, 7FH = 3rd*

• Not received when "Organ Control - Status" RX is Off.

● **TW Overdrive Drive (Controller number 92)**

Status 2nd byte 3rd byte

BnH 5CH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not received when "Organ Control - Status" RX is Off.

● **TW Rotary On/Off (Controller number 80)**

Status 2nd byte 3rd byte

BnH 50H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not received when "Organ Control - Status" RX is Off.

● **TW Overdrive Tone (Controller number 94)**

Status 2nd byte 3rd byte

BnH 5EH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not received when "Organ Control - Status" RX is Off.

● **TW Rotary Brake On/Off (Controller number 81)**

Status 2nd byte 3rd byte

BnH 51H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not received when "Organ Control - Status" RX is Off.

● **TW Vibrato Mode (Controller number 84)**

Status 2nd byte 3rd byte

BnH 54H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H=V1, 08H=C1, 23H=V2, 3DH=C2, 58H=V3, 72H=C3*

• Not received when "Organ Control - Status" RX is Off.

● **TW Rotary Slow/Fast (Controller number 82)**

Status 2nd byte 3rd byte

BnH 52H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Slow, 7FH = Fast*

• Not received when "Organ Control - Status" RX is Off.

● **TW Vibrato On/Off (Controller number 69)**

Status 2nd byte 3rd byte

BnH 45H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not received when "Organ Control - Status" RX is Off.

### ● TW Vibrato Upper On/Off (Controller number 85)

Status	2nd byte	3rd byte
BnH	55H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

- Not received when “Organ Control - Status” RX is Off.
- When FARF/VX/PIPE type is selected this CC will be affect to “TW Vibrato Upp/Low/Ped” parameter.

### ● TW Vibrato Lower/Pedal On/Off (Controller number 86)

Status	2nd byte	3rd byte
BnH	56H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

- Not received when “Organ Control - Status” RX is Off.

### ● TW Pedal Preset (Controller number 104)

Status	2nd byte
BnH	68H

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~05H (1~5)*

*TW1 = 01H ~ 05H (Preset 1 ~ Preset 5)*

*TW2 = 01H ~ 05H (Preset 1 ~ Preset 5)*

*FARF = 01H ~ 02H (Preset 1 ~ Preset 2)*

*VX = 01H ~ 05H (Preset 1 ~ Preset 5)*

*PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)*

*USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)*

- Not received when “Organ Control - Status” RX is Off.

- Not received when “Organ Control - Preset” RX is Off.

### ● TW Upper Preset (Controller number 102)

Status	2nd byte	3rd byte
BnH	66H	vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~17H (1~23)*

*TW1 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*TW2 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*FARF = 01H ~ 05H (Preset 1 ~ Preset 5)*

*VX = 01H ~ 05H (Preset 1 ~ Preset 5)*

*PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)*

*USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)*

- Not received when “Organ Control - Status” RX is Off.

- Not received when “Organ Control - Preset” RX is Off.

### ● TW Lower Preset (Controller number 103)

Status	2nd byte
BnH	67H

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~17H (1~23)*

*TW1 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*TW2 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*FARF = 01H ~ 05H (Preset 1 ~ Preset 5)*

*VX = 01H ~ 05H (Preset 1 ~ Preset 5)*

*PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)*

*USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)*

- Not received when “Organ Control - Status” RX is Off.

- Not received when “Organ Control - Preset” RX is Off.

## 2. Trasmitted data

### ■ Control Change

#### ● Bank Select (Controller number 0, 32)

Status 2nd byte 3rd byte

BnH 00H mmH

BnH 20H llH

n= MIDI channel number: 0H~FH (Ch.1~16)

mm= Bank number MSB: 00H~7FH

ll= Bank number LSB: 00H~7FH

• Not transmitted when "PG" TX is Off.

#### ● Modulation (Controller number 1)

Status 2nd byte 3rd byte

BnH 01H vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Modulation depth: 00H~7FH (0~127)

• Not transmitted when "Modulation" TX is OFF.

#### ● Volume (Controller number 7)

Status 2nd byte 3rd byte

BnH 07H vvH

n= MIDI channel number 0H~FH (Ch.1~16)

vv= Volume: 00H~7FH (0~127), Initial value= 64H (100)

• Not transmitted when "Volume" TX is off.

#### ● Pan (Controller number 10)

Status 2nd byte 3rd byte

BnH 0AH vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= pan: 00H~40H~7FH (Left~Center~Right),

• Not transmitted when "PanPot" RX is Off

#### ● Expression (Controller number 11)

Status 2nd byte 3rd byte

BnH 0BH vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Expression: 00H~7FH (0~127), Initial value= 7FH (127)

• This adjusts the volume of a Part. It can be used independently from volume messages. Expression messages are used for musical expression within a performance, e.g., expression pedal movements, crescendo and decrescendo.

• Not transmitted when "Expression" TX is Off.

#### ● Hold (Controller number 64)

Status 2nd byte 3rd byte

BnH 40H vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Control value: 00H~7FH (0~127)

• Not transmitted when "Hold" TX is Off.

#### ● Sostenuto (Controller number 66)

Status 2nd byte 3rd byte

BnH 42H vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127= ON

• Not transmitted when "Sostenuto" TX is Off.

#### ● Soft (Controller number 67)

Status 2nd byte 3rd byte

BnH 43H vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Control value: 00H~7FH (0~127) 0~63= OFF, 64~127= ON

• Not transmitted when "Soft" TX is Off.

#### ● Reverb Send Level (Controller number 91)

Status 2nd byte 3rd byte

BnH 5BH vvH

n= MIDI channel number: 0H~FH (Ch.1~16)

vv= Reverb Send Level: 00H~7FH (0~127)

• This message adjusts the Reverb Send Level of each Part.

• Not transmitted when "Reverb" TX is Off.

#### ● Program Change

Status 2nd byte

CnH ppH

n= MIDI channel number: 0H~FH (Ch.1~16)

pp= Program number: 00H~7FH (prog.1~prog.128)

• Not transmitted when "PG" TX is Off.

#### ● Pitch Bend Change

Status 2nd byte 3rd byte

EnH llH mmH

n= MIDI channel number: 0H~FH (Ch.1~16)

mm, ll= Pitch Bend value: 00 00H~40 00H~7F 7FH (-8192~0~+8191)

• Not transmitted when "PB" TX is Off.

### ● AFTERTOUCH (Channel Pressure)

Status 2nd byte

BnH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16)*

*vv= value: 00H~7FH (0~127)*

• Not transmitted when "Aftertouch" TX is Off.

• The Aftertouch will affect to all notes playing in that channel.

### ● UPPER TW 2 2/3' (Controller number 20)

Status 2nd byte 3rd byte

BnH 14H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ■ Memory TX

**Midi Message Value** **Memory**

PG 0 ~ 79 NUMBER: 1 ~ 80

• Default MIDI channel is 15

• Not transmitted when "Memory TX Status" is Off.

### ● UPPER TW 2' (Controller number 21)

Status 2nd byte 3rd byte

BnH 15H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ■ TONE WHEEL MIDI Messages

#### ● UPPER TW 16' (Controller number 16)

Status 2nd byte 3rd byte

BnH 10H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 1 3/5' (Controller number 22)

Status 2nd byte 3rd byte

BnH 16H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 5 1/3' (Controller number 17)

Status 2nd byte 3rd byte

BnH 11H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 1 1/3' (Controller number 23)

Status 2nd byte 3rd byte

BnH 17H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 8' (Controller number 18)

Status 2nd byte 3rd byte

BnH 12H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 1' (Controller number 24)

Status 2nd byte 3rd byte

BnH 18H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● UPPER TW 4' (Controller number 19)

Status 2nd byte 3rd byte

BnH 13H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

#### ● LOWER TW 16' (Controller number 70)

Status 2nd byte 3rd byte

BnH 46H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 5 1/3' (Controller number 71)

Status 2nd byte 3rd byte

BnH 47H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 1 1/3' (Controller number 77)

Status 2nd byte 3rd byte

BnH 4DH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 8' (Controller number 72)

Status 2nd byte 3rd byte

BnH 48H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 1' (Controller number 78)

Status 2nd byte 3rd byte

BnH 4EH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 4' (Controller number 73)

Status 2nd byte 3rd byte

BnH 49H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 16' (Controller number 14)

Status 2nd byte 3rd byte

BnH 0EH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 2 2/3' (Controller number 74)

Status 2nd byte 3rd byte

BnH 4AH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 5 1/3' (Controller number 15)

Status 2nd byte 3rd byte

BnH 0FH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 2' (Controller number 75)

Status 2nd byte 3rd byte

BnH 4BH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 8' (Controller number 25)

Status 2nd byte 3rd byte

BnH 19H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● LOWER TW 1 3/5' (Controller number 76)

Status 2nd byte 3rd byte

BnH 4CH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 4' (Controller number 26)

Status 2nd byte 3rd byte

BnH 1AH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 2 2/3' (Controller number 27)

Status 2nd byte 3rd byte

BnH 1BH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Percussion NORMAL/SOFT (Controller number 88)

Status 2nd byte 3rd byte

BnH 58H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Normal, 7FH = Soft*

• Not transmitted when "Organ Control - Status" RX is Off.

### ● PEDAL TW 2' (Controller number 28)

Status 2nd byte 3rd byte

BnH 1CH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Percussion Time SLOW/FAST (Controller number 89)

Status 2nd byte 3rd byte

BnH 59H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Slow, 7FH = Fast*

• Not transmitted when "Organ Control - Status" RX is Off.

### ● PEDAL TW 1 3/5' (Controller number 29)

Status 2nd byte 3rd byte

BnH 1DH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Percussion Harmonic 2nd/3rd (Controller number 95)

Status 2nd byte 3rd byte

BnH 5FH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 2nd, 7FH = 3rd*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 1 1/3' (Controller number 30)

Status 2nd byte 3rd byte

BnH 1EH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Rotary On/Off (Controller number 80)

Status 2nd byte 3rd byte

BnH 50H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● PEDAL TW 1' (Controller number 31)

Status 2nd byte 3rd byte

BnH 1FH vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*0H = 0, 10H = 1, 20H = 2, 30H = 3, 40H = 4, 50H = 5, 60H = 7, 70H = 7, 7FH = 8*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Rotary Slow/Fast (Controller number 82)

Status 2nd byte 3rd byte

BnH 52H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Slow, 7FH = Fast*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Percussion ON/OFF (Controller number 87)

Status 2nd byte 3rd byte

BnH 57H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when "Organ Control - Status" RX is Off.

### ● TW Rotary Brake On/Off (Controller number 81)

Status 2nd byte 3rd byte

BnH 51H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when "Organ Control - Status" TX is Off.

### ● TW Vibrato Mode (Controller number 84)

Status 2nd byte 3rd byte

BnH 54H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H=V1, 08H=C1, 23H=V2, 3DH=C2, 58H=V3, 72H=C3*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Overdrive Drive (Controller number 92)

Status 2nd byte 3rd byte

BnH 5CH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Vibrato On/Off (Controller number 69)

Status 2nd byte 3rd byte

BnH 45H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Overdrive Level (Controller number 90)

Status 2nd byte 3rd byte

BnH 5AH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Vibrato Upper On/Off (Controller number 85)

Status 2nd byte 3rd byte

BnH 55H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when “Organ Control - Status” TX is Off.

• When FARF/VX/PIPE type is selected this CC will be affect to

“TW Vibrato Upp/Low/Ped” parameter.

### ● TW Overdrive Tone (Controller number 94)

Status 2nd byte 3rd byte

BnH 5EH vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = 00, 7FH = 100*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Vibrato Lower/Pedal On/Off (Controller number 86)

Status 2nd byte 3rd byte

BnH 56H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when “Organ Control - Status” TX is Off.

### ● TW Upper Preset (Controller number 102)

Status 2nd byte 3rd byte

BnH 66H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~17H (1~23)*

*TW1 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*TW2 = 01H ~ 17H (Preset 1 ~ Preset 23)*

*FARF = 01H ~ 05H (Preset 1 ~ Preset 5)*

*VX = 01H ~ 05H (Preset 1 ~ Preset 5)*

*PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)*

*USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)*

• Not transmitted when “Organ Control - Status” RX is Off.

• Not transmitted when “Organ Control - Preset” RX is Off.

### ● TW Overdrive On/Off (Controller number 83)

Status 2nd byte 3rd byte

BnH 53H vvH

*n=MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14*

*vv= Control value: 00H~7FH (0~127)*

*00H = Off, 7FH = On*

• Not transmitted when “Organ Control - Status” TX is Off.

**● TW Lower Preset (Controller number 103)**

Status 2nd byte

BnH 67H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14**vv= Control value: 00H~17H (1~23)**TW1 = 01H ~ 17H (Preset 1 ~ Preset 23)**TW2 = 01H ~ 17H (Preset 1 ~ Preset 23)**FARF = 01H ~ 05H (Preset 1 ~ Preset 5)**VX = 01H ~ 05H (Preset 1 ~ Preset 5)**PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)**USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)**• Not transmitted when "Organ Control - Status" RX is Off.**• Not transmitted when "Organ Control - Preset" RX is Off.***● TW Pedal Preset (Controller number 104)**

Status 2nd byte

BnH 68H vvH

*n= MIDI channel number: 0H~FH (Ch.1~16); default midi ch.14**vv= Control value: 00H~05H (1~5)**TW1 = 01H ~ 05H (Preset 1 ~ Preset 5)**TW2 = 01H ~ 05H (Preset 1 ~ Preset 5)**FARF = 01H ~ 02H (Preset 1 ~ Preset 2)**VX = 01H ~ 05H (Preset 1 ~ Preset 5)**PIPE = 01H ~ 05H (Preset 1 ~ Preset 5)**USER1/USER2 = 01H ~ 05H (Preset 1 ~ Preset 5)**• Not transmitted when "Organ Control - Status" RX is Off.**• Not transmitted when "Organ Control - Preset" RX is Off.*