

# ES110 MIDI Exclusive Data Information

## ■ 9-1: Parameter Send/Program Send Definition

Byte	Description	Value
1	Exclusive	F0H
2	KAWAI ID	40H
3	Channel no.	0nH n=0-FH, 7FH:ignore CH
4	Function no.	10H Parameter Send / 30H Program Send
5	Group no.	04H Electronic Piano
6	Machine no.	11H ES110
7	data	See table 9-2
	End code	F7H

## ■ 9-2: Summary of Definition

Function No.	data1	data2	data3	Function
30H				
	00H	00H	-	Multi Timbre Off
	02H	00H	-	Multi Timbre On2
10H				
	14H	00H-7FH	-	Dual Split Balance
	16H	1FH-60H	-	Tune 40H=440Hz
	17H	00H, 7FH	-	Program Change On/Off 00H=Off, 7FH=On
	18H	00H-07H	-	Touch Curve Select See table 9-5
	20H	00H-7FH	00H-7FH	Dual Program Change data2=Right, data3=Left
	21H	00H-7FH	00H-7FH	Split Program Change data2=Upper, data3=Lower
	25H	00H-08H	00H-0BH	Temperament Select data2=Temperament See table 9-6 data3=Key of temperament (C,C#~B)

## ■ 9-5: Touch Curve Select Data Value

Value (hex)	Function
0x00	Light
0x01	Normal
0x02	Heavy
0x03	Off

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### ■ 9-6: Temperament Select Data Value

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Value (hex)	Function
0x00	Equal - Flat
0x01	Pure - Major
0x02	Pythagorean
0x03	Meantone
0x04	Werckmeister III
0x05	Kirnberger III
0x06	Equal - Stretch
0x07	Pure - Minor
0x08	Equal - Piano only

### ■ Supplement: Drum Kit Bank/Program Number

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Drum Kit Name	PRG	MSB	LSB
Standard Drum Kit 1	1	120	0
Standard Drum Kit 2	33	120	0
Room Drum Kit	9	120	0
Analog Drum Kit	26	120	0

Note: Multi-timbral setting must be enabled before selecting drum kit.