ES120 MIDI Settings Manual

The term MIDI is an acronym for Musical Instrument Digital Interface, an international standard for connecting musical instruments, computers, and other devices to allow the exchange of performance data.
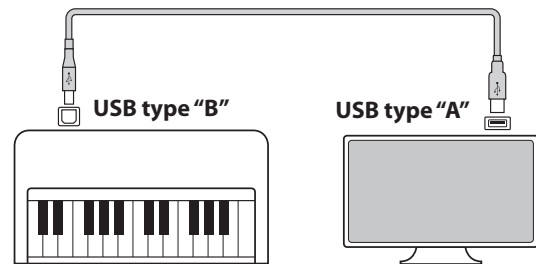
When the instrument is connected to a computer using a USB cable, the computer will recognise the instrument as a MIDI device, allowing the instrument to send and receive MIDI messages in the same manner as a normal MIDI interface.

Use a suitable USB cable to connect the USB type A port on the computer to the USB type B port on the digital piano. If there is no USB type A port on the computer, a conversion adapter may be required.

■ MIDI use case

When connected to a computer, the digital piano can be used to record and playback performances using sequencer software running on the computer. When multi-timbral mode is enabled on the digital piano, it becomes possible to record and playback multi-track songs, with different sounds playing simultaneously on each MIDI channel.

P3 Multi-timbral Mode

USB type "B"   USB type "A"

■ MIDI functions

The following functions are available with MIDI.

Transmit/receive note information
Transmit/receive note information from a MIDI-connected musical instrument or device.

Transmit/receive Program Change number
Transmit/receive program change data to/from a MIDI connected musical instrument or device.

Transmit/receive pedal data
Transmit/receive sustain, sostenuto, and soft pedal data from a MIDI-connected musical instrument or device.

Receive volume data
Receive MIDI volume data sent from a MIDI-connected musical instrument or device.

Transmit/receive channel settings
Specify transmit/receive channels within the range of 1 to 16.

Multi-timbral mode setting
Receive multiple channel MIDI data from a MIDI-connected musical instrument or device. * Multi-timbral mode setting must be enabled.

Transmit/receive exclusive data
Transmit/receive front panel or menu function settings as exclusive data.

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P5 MIDI Implementation Chart

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■ MIDI settings

Function name	Explanation	Default setting
Transmit Program Change Number	This setting determines whether or not the digital piano will transmit program change information when sounds are changed. It is also possible to transmit a program change number (ranging from 1 to 128) in order to change the sound of an external MIDI device.	On
MIDI Channel	This setting allows the transmit/receive channel to be specified. The selected channel will function as both the transmit and receive channel. Separate transmit/receive channels cannot be specified.	1ch
Local Control	This setting determines whether the digital piano will play an internal sound when the keys are pressed. This setting is useful when using the digital piano to control an external MIDI device. When Local Control is set to "On", the digital piano will play an internal sound and transmit information to an external MIDI device. When Local Control is set to "Off", the digital piano will transmit information to an external MIDI device only.	On
Multi-timbral mode	This setting determines whether or not the digital piano is able to receive MIDI information on more than one MIDI channel simultaneously. This allows the instrument to play back multitrack, multi-timbral performance data sent from an external MIDI device.	Off

Transmit Program Change Number
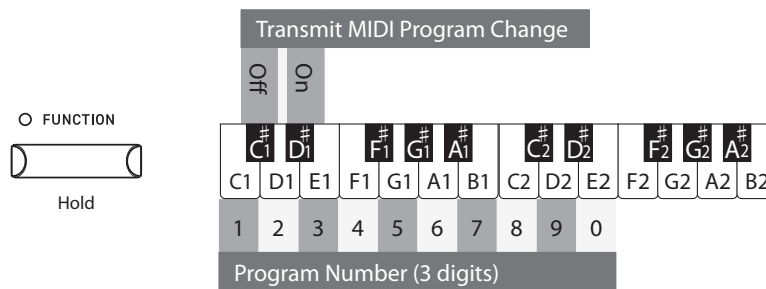
■ Turning Transmit Program Number ON/OFF

Press and hold the [FUNCTION] button, then press the C#1 key to turn this setting off, or the D#1 key to turn this setting on.

■ Sending a Program Number

Press and hold the [FUNCTION] button, then press the keys indicated below to enter the desired three digit Program Change Number to send.

Example:
Press and hold the [FUNCTION] button, then press the E2 key, the E2 key, and the C1 key to enter program change number 001.
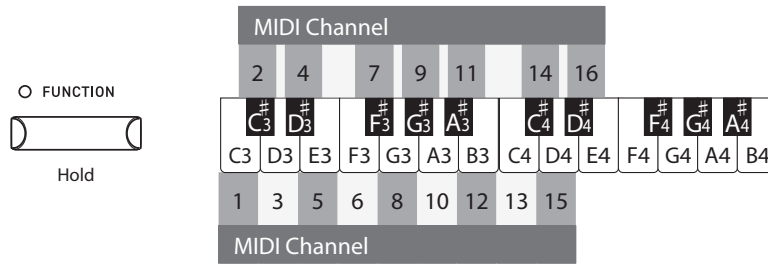

- • Program Change Numbers are specified as three digits within the range of 001~128.
- • The Program Change Number will be transmitted automatically when the key for the third digit is pressed.
- • The Transmit Program Number Change setting is effective until the power is turned off.
- • Exclusive information is not sent if the Transmit Program Change Number setting is OFF.

MIDI Channel (transmit/receive)

■ Setting MIDI channel

Press and hold the [FUNCTION] button, then press the keys indicated below to set the MIDI channel.

MIDI Channel								

FUNCTION

Hold

MIDI Channel								
2	4		7	9	11		14	16

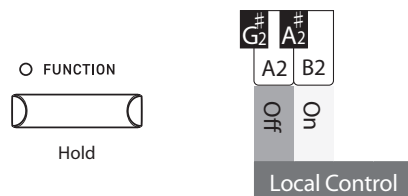| C#3	D#3		F#3	G#3	A#3		C#4	D#4		F#4	G#4	A#4
C3	D3	E3	F3	G3	A3	B3	C4	D4	E4	F4	G4	A4	B4
1	3	5	6	8	10	12	13	15				

MIDI Channel

☑ The MIDI Channel setting is effective until the power is turned off.

Local Control

■ Setting Local Control

Press and hold the [FUNCTION] button, then press the A2 key to turn this setting off, or the B2 key to turn this setting on.

☑ The Local Control setting is effective until the power is turned off.

FUNCTION

Hold

G#2	A#2
A2	B2
Off	On

Local Control

Multi-timbral Mode

■ Setting Multi-timbral Mode

Press and hold the [FUNCTION] button, then press the C#2 key to turn this setting off, or the D#2 key to turn this setting on.

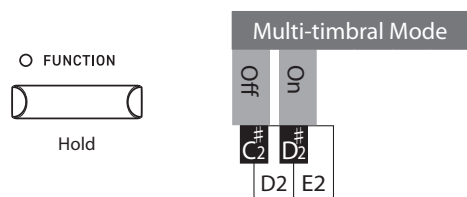☑ MIDI data received through channel 10 is not played while Multi-timbral mode is ON.

FUNCTION

Hold

Multi-timbral Mode

Off	On
C#2	D#2
D2	E2

Program Change Number List

Sound name	Multi-timbral mode Off	Multi-timbral mode On		
	Program number	Program number	Bank MSB	Bank LSB
SK-EX Concert Grand Piano | Concert	1	1	121	0
EX Concert Grand Piano | Concert	2	1	95	27
Upright Piano | Classic	3	1	95	25
SK-EX Concert Grand Piano | Jazz	4	1	121	1
EX Concert Grand Piano | Pop	5	1	95	28
SK-EX Concert Grand Piano | Mellow	6	1	121	2
EX Concert Grand Piano | Mellow	7	1	95	29
EX Concert Grand Piano | Modern	8	2	121	0
Tine Electric Piano	9	5	121	0
Reed Electric Piano	10	5	121	3
Reed Electric Piano 2	11	5	95	7
Modern Electric Piano	12	6	121	0
Jazz Organ	13	18	121	0
Blues Organ	14	17	121	0
Ballad Organ	15	20	121	0
Diapason	16	20	95	7
Slow Strings	17	45	95	1
String Ensemble	18	49	121	0
Choir	19	53	121	0
New Age Pad	20	89	121	0
Wood Bass	21	33	121	0
Electric Bass	22	34	121	0
Wood Bass & Ride	23	33	95	1
Harpsichord	24	7	121	0
Vibraphone	25	12	121	0

MIDI Implementation Chart

Function		Transmit	Receive	Remarks
Basic channel	At power-up	1	1	
	Settable	1 - 16	1 - 16	
Mode	At power-up	Mode 3	Mode 1	Omni mode is on at power-up. Omni mode can be turned off through MIDI channel setting operations.
	Message	X	Mode 1, 3	
	Alternative	* * * * * * * * *	X	
Note number		9 - 120*	0 - 127	* Including transpose
	Range	* * * * * * * * *	0 - 127	
Velocity	Note on	O	O	
	Note off	O	O	
After touch	Key specific	X	X	
	Channel specific	X	X	
Pitch bend		X	X	
Control change				
	0,32	O	O	Bank Select
	7	X	O	Volume
	64	O (Right pedal)	O	Sustain Pedal
	66	O (Middle pedal)	O	Sostenuto Pedal
	67	O (Left pedal)	O	Soft Pedal
Program change settable range		O (0 - 127)	O	
		* * * * * * * * *		
Exclusive		O	O	Transmission can be selected
Common	Song position	X	X	
	Song selection	X	X	
	Tune	X	X	
Real time	Clock	X	X	
	Commands	X	X	
Other functions	Local On / Off	X	O	
	All notes Off	X	O	
	Active sensing	X	O	
	Reset	X	X	
Remarks				

Mode 1: omni mode On, Poly   Mode 2: omni mode On, Mono   O : Yes
Mode 3: omni mode Off, Poly   Mode 4: omni mode Off, Mono   X : No