

ARIUS

YDP-165

YDP-145

YDP-S55

YDP-S35

MIDI Reference

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MIDI Functions

When this instrument and a computer are connected with a USB cable, MIDI communication can be performed. The explanations here cover the settings necessary for performing MIDI communication between both devices.

NOTE

For instructions on how to connect this instrument to the computer, refer to the “Computer-related Operations” downloadable from the Yamaha Downloads website.

MIDI Transmit/Receive Channel Selection

In order to perform MIDI communication between this instrument and a computer, it is necessary to match the corresponding MIDI transmit and receive channels. By setting the MIDI transmit channels on this instrument, the setting of the keyboard or pedal performance or the program change can be transmitted over the channel number corresponding to a specified channel on the computer. By properly setting the MIDI receive channels on this instrument, only data of the specified channel will be played back in the MIDI data received from the computer.

Setting the MIDI Transmit Channel

While holding down [DEMO/SONG] and [PIANO/VOICE], press the D4 – F4 keys.

Default setting: Ch 1

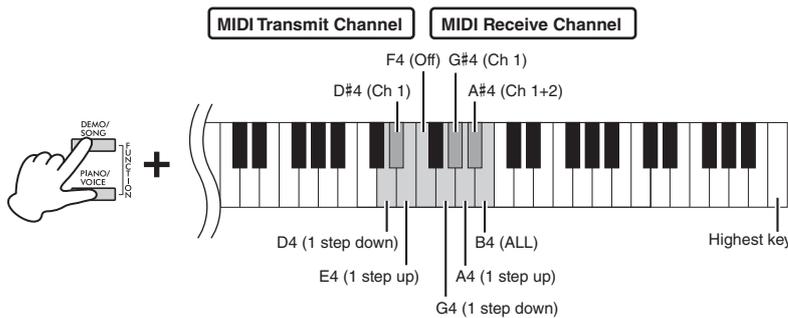
Setting range: Ch 1 – 16, off

Setting the MIDI Receive Channel

While holding down [DEMO/SONG] and [PIANO/VOICE], press the G4 – B4 keys.

Default setting: ALL

Setting range: Ch 1 – 16, 1+2, ALL



MIDI transmission channels in Dual

Voice 1 data is transmitted on the channel set up here.
Voice 2 data is transmitted on the next greater channel number relative to the specified channel.

MIDI receive channel = ALL:

This allows simultaneous reception of different parts on all 16 MIDI channels. When SMF Song data is played back on a computer with the Voice of this instrument, this setting is selected. However, when a Voice not available on the instrument is specified, the playback sound may not be suitable.

MIDI receive channel = 1+2:

This allows simultaneous reception on channels 1 and 2 only. When SMF Song data is played back on a computer, this setting is selected for playing back only data of channels 1 – 2 on this instrument.

NOTE

Panel settings (Voices, etc.) of this instrument will not be affected by MIDI messages received from a computer.

NOTE

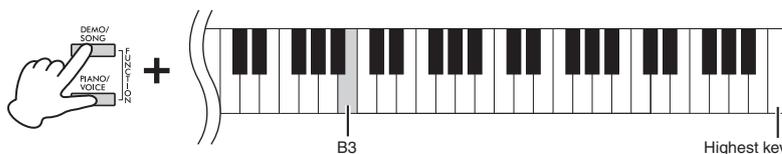
Data for the Demo Songs and Preset Songs cannot be transmitted via MIDI.

Local Control ON/OFF

“Local Control” refers to the fact that, normally, the keyboard of the instrument controls its internal tone generator, allowing the internal voices to be played directly from the keyboard. This situation is “Local Control On,” since the internal tone generator is controlled locally by its own keyboard. Local Control can be turned off as desired, so that the keyboard of the instrument does not play the internal voices.

While holding down [DEMO/SONG] and [PIANO/VOICE], press the B3 key. Pressing the B3 key repeatedly toggles between Local Control On and Off.

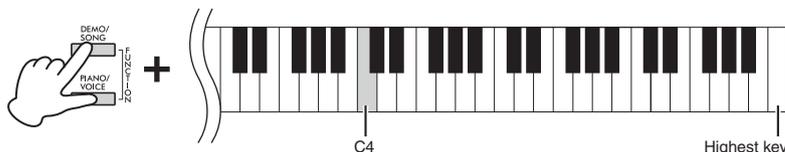
Default setting: ON



Program Change ON/OFF

The information related to Voice changes is called “program change” in MIDI. Sending and receiving program change messages can be enabled or disabled as desired on this instrument. For example, if the relevant transmit and receive parameters are set to ON, Voice change information in this instrument can be transmitted to or received from a computer. (However, the Voice as played from the keyboard is maintained and does not change.)

While holding down [DEMO/SONG] and [PIANO/VOICE], press the C4 key. Pressing the C4 key repeatedly toggles between Local Control On and Off.



NOTE

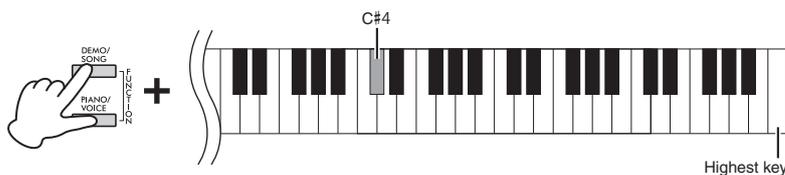
For information on program change numbers for each of the Voices of the instrument, see the “Voice List” below.

Default setting: ON

Control Change ON/OFF

Information related to non-note expressive changes, such as the use of a sustain pedal, is called “control change” in MIDI. Sending and receiving control change messages can be enabled or disabled as desired on this instrument. For example, if the relevant transmit and receive parameters are set to ON, pedal performance information on this instrument can be transmitted to or received from a computer. (However, the performance of pedals and other controls as played from the instrument is maintained and does not change.)

While holding down [DEMO/SONG] and [PIANO/VOICE], press the C#4 key. Pressing the C#4 key repeatedly toggles between Local Control On and Off.



NOTE

For information on control changes that can be used with the instrument, see “MIDI Implementation Chart” page 4.

Default setting: ON

Voice List

Voice Name	MSB (0-127)	LSB (0-127)	Program Change # (1-128)
CFX Grand	108	0	1
Mellow Grand	108	1	1
Pop Grand	108	1	2
Stage E.Piano	108	0	5
DX E.Piano	108	0	6
Harpichord	108	0	7
Vibraphone	108	0	12
Pipe Organ	108	1	20
Jazz Organ	108	0	17
Strings	108	0	49

