# YAMAHA

# *ARIUS*

## YDP-105

## 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.
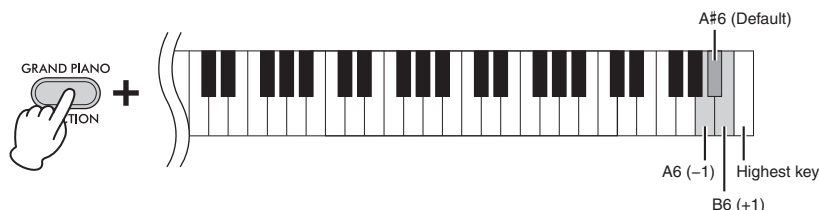
## MIDI Settings

### Setting the MIDI Transmit Channel
In any MIDI control setup, the MIDI channels of the transmitting and receiving devices must be matched for proper data transfer. You can specify the channel on which this instrument transmits MIDI data. To do this, while holding down [GRAND PIANO/FUNCTION], press one of the A6–B6 keys. The A6 key decreases the value by 1, the B6 key increases the value by 1, and the A#6 key restores the default value (channel 1).

Setting range: 1–16

Default value: 1

GRAND PIANO  ·TION  +

A#6 (Default)

A6 (−1)  Highest key

B6 (+1)

*NOTE*
In Dual, the keyboard performance via Voice 1 is transmitted on the specified MIDI Transmit Channel and the keyboard performance via Voice 2 is transmitted on the next channel number in sequence (specified channel + 1).

*NOTE*
No MIDI messages are output during playback of the Demo Song or Preset Song.

### Other MIDI Settings
The MIDI settings other than the Transmit Channel are set as listed below, and cannot be changed.
• MIDI Receive Channels:  All channels (1–16)
• Local Control:  On
• Program Change Transmit/Receive: Yes
• Control Change Transmit/Receive:  Yes

*NOTE*
For information on program change numbers for each of the Voices of the instrument, see the "Voice List" below.

# Voice List

| Voice Name | MSB | LSB | Program Change number (1–128) |
|---|---|---|---|
| Grand Piano | 108 | 0 | 1 |
| Bright Grand | 108 | 2 | 2 |
| Stage E.Piano | 108 | 1 | 5 |
| DX E.Piano | 108 | 0 | 6 |
| Organ Principal | 108 | 1 | 20 |
| Organ Tutti | 108 | 0 | 20 |
| Harpsichord 8' | 108 | 0 | 7 |
| Harpsichord 8'+4' | 108 | 1 | 7 |
| Vibraphone | 108 | 0 | 12 |
| Strings | 108 | 0 | 49 |

* When you specify a program change as a number in the range of 0–127, specify a number that is one less than the program change number listed above. For example, to specify program change number 1, you would specify a value of 0.

| Function... | Transmitted | Recognized | Remarks |
|---|---|---|---|
| Basic        Default<br>Channel      Changed | 1<br>1 - 16 | 1 - 16<br>× | |
| Mode         Default<br>Messages<br>Altered | 3<br>×<br>************** | 3<br>×<br>× | |
| Note<br>Number    : True voice | 3 - 126<br>************** | 0 - 127<br>0 - 127 | |
| Velocity     Note ON<br>Note OFF | O 9nH,v=1-127<br>× 9nH,v=0 | O 9nH,v=1-127<br>× | |
| After        Key's<br>Touch        Ch's | ×<br>× | ×<br>× | |
| Pitch Bend | × | O | |
| 0,32<br>1<br>7<br>10<br>11<br>Control      6,38<br>64<br>Change       66,67<br>71,72,73,74<br>84<br>91,93<br>96,97<br>100,101 | O<br>×<br>O<br>O<br>O<br>×<br>O<br>O<br>×<br>×<br>O<br>×<br>× | O<br>O<br>O<br>O<br>O<br>O<br>O<br>O<br>O<br>×<br>O<br>O<br>O | Bank Select<br>Modulation<br>Main Volume<br>Pan<br>Expression<br>Data Entry<br>Sustain<br>Sostenuto,Soft Pedal<br>Sound Controller<br>Portamento Control<br>Effect1,3 Depth<br>RPN Inc,Dec<br>RPN LSB,MSB |
| Prog<br>Change     : True # | O 0 - 127<br>************** | O 0 - 127 | |
| System Exclusive | O | O | |
| Common    : Song Pos.<br>          : Song Sel.<br>          : Tune | ×<br>×<br>× | ×<br>×<br>× | |
| System    : Clock<br>Real Time: Commands | O<br>O | O<br>× | |
| Aux       : All Sound Off<br>          : Reset All Cntrls<br>          : Local ON/OFF<br>Mes-      : All Notes Off<br>sages:    : All Notes Off<br>          : All Sound Off<br>          : Active Sense<br>          : Reset | O<br>O<br>×<br>O<br>×<br>×<br>O<br>× | O (120)<br>O (121)<br>O (122)<br>O (123)<br>O (124-125)<br>O (126,127)<br>O<br>× | |