

# MIDIPLUS **i61**

USB MIDI master keyboard controller



Owner's Manual

## Preface

Thank you for your purchase of the MIDIPLUS i61 USB MIDI master controller keyboard. When using your MIDIPLUS i61 in conjunction with an USB equipped PC or Macintosh computer and appropriate music software to enter full range of MIDI note and controller information. Your MIDI Keyboard and computer are then turned into a set of complete musical workstation. This manual is written to help you become familiar with the powerful features of the MIDIPLUS i61. Please read the manual carefully to find out what you can do with your MIDIPLUS i61. After reading this manual, you should have a clear understanding of how to transmit different MIDI messages to other instruments and equipments. For this sake, we strongly recommend you to have the manual at hand when you are using the keyboard. Thus, you can find useful information quickly when you need it.

## Main Feature

- The MIDIPLUS i61 controller keyboard provides 61 dynamic keys, it can be operated on receiving power directly from your USB Port on the computer. Therefore, you don't need any external power-supply to activate your instrument.
- For setting up MIDI connection of your MIDIPLUS i61 with PC, your MIDIPLUS i61 comes with an A- B USB adapting cable for connecting your keyboard's USB port to PC USB port, which makes you to expand your system easily.
- The MIDIPLUS i61 provides two MIDI OUT jacks for sending MIDI to external devices via computer or as standalone MIDI controller
- There is a socket for an optional sustain-footswitch.
- Although the MIDIPLUS i61 has no built-in sound capabilities, it offers various useful MIDI functions.

## Mac and PC class compliant

The firmware of MIDIPLUS i61 is designed to be class compliant for both Mac and PC so there is no driver need while you use this keyboard to connect

to Max OS X and PC Windows XP or above

## Something you should know before using the MIDI Functions

MIDI is the acronym for Musical Instrument Digital Interface, which makes all digital musical instruments equipped this standardized interface being able to exchange their MIDI data.

To explain how MIDI works on your instrument in more details, the following illustrations will outline the MIDI functions of the MIDIPLUS i61, which allow you to connect the keyboard to other MIDI instruments. The versatile MIDI capability of the MIDIPLUS i61 will offer you tremendous power in a MIDI environment.

### Using the MIDI Functions

Connecting the keyboard to other MIDI instruments:

To transmit MIDI data from your keyboard to other professional MIDI instruments, please purchase a MIDI cable and use it to connect the MIDI OUT jack of your MIDIPLUS i61 to the MIDI IN jack of the other instrument. Make sure that the MIDI "transmit" channel on your MIDIPLUS i61 matches the MIDI "receive" channel of the other instrument.

### Default Setting of the MIDIPLUS i61

The MIDIPLUS i61 will always select the following values for their parameters when the power is turned on.

Transmit MIDI Channel no. 1.	Default Volume value will be 127
Default Reverb Depth value will be 64	Default CC Data value will be 0
Default After Touch value will be 0	Default CC no. value will be 0
Default Velocity value will be 0	Default Pan Pot value will be 64
Default Octave will be from C2(36) to C7(96)	
Default Control Change (CC-00=0, CC-32=0) message will be transmitted.	
Default Program Change (PG=1) message will be transmitted.	

## Overall Diagram Preview



### Part A. Operation panel

- 1. Using the Pitch Bend Wheel:** The Pitch Bend wheel is used for raising or lowering the pitch of a voice during performance. The range of pitch values depends on the different sound generator being used. Please refer to the manuals of your MIDI devices for information on how to change the Pitch Bend range. To bend up the pitch, please move the wheel away from you. To bend down the pitch, please move the wheel towards you.
- 2. Using the Modulation Wheel:** It is very common to use the modulation wheel to change the intensity of effects: mainly Vibrato (pitch change), Tremolo (change the volume), and Modulation (change the tone). The Modulation wheel produces a vibrato effect shortly after the sound is generated. It is most effective for voice such as strings and oboe.
- 3. Data Entry Slide:** This slide controller allows you to adjust the following parameters: Volume, Velocity, Chorus, and Reverb, Pan pot and Aftertouch from your keyboard directly.
- 4. MIDI / SELECT button:** Use this button to select different MIDI command on certain key from keyboard.

The MIDIPLUS i61 provides several groups of MIDI command as following

- A. MIDI Channels group:** Pressing MIDI/SELECT button then press the MCH (MIDI Channel) key allows you to select the transmitting channel for your keyboard. The default Channel is 1 when keyboard's power is turned on. Pressing the MIDI/SELECT button, MIDI Channel 2 then MIDI/SELECT button to change the MIDI transmit channel from 1 to 2.
- B. Assignment data entry group:** Pressing MIDI/SELECT button then press the key of Aftertouch (or velocity, or reverb depth, or chorus depth, or pan pot, or volume, or CC data) then move data entry slide allows you to select the transmitting value of the function. For example, if you want to change the value of after touch: First, press MIDI/SELECT button

and Aftertouch key. Second, change the data entry slide to the value you want then press MIDI/SELECT button again to finish action.

**C. Octave group:** By pressing MIDI/SELECT button and octave key, you will shift the active keyboard range one octave higher, or lower. For example, if you want to change the octave to 2 octaves lower of range: Press MIDI/SELECT button and -2 key then press MIDI/SELECT button to finish action.

**D. Reset key:** Press MIDI/SELECT button and Reset key will send out a message to return all external MIDI instruments to their default setting as well.

**E. Control Change data entry by Numeric keypad:** MIDIPLUS i61 allows you to use numeric key to specify your Control Change DATA parameter instead of data entry slide. By pressing MIDI/SELECT button and CC data key then number and Enter key to finish. For example, if you want to make Control Change 7 as value 123. 1) Press MIDI/SELECT button; 2) press CC No.; 3) choose 7 on numeric keypad; 4) press enter key to specify Control Change as 7; 5) press CC data key; 6) press number key 1, 2, and 3; 7) press enter key to specify value 123 then press MIDI/SELECT button to finish this action.

**F. Program key:** Pressing MIDI/SELECT button and Program key then numeric keys then enter key, you can select any patch number between 1 to 128. For example, if you want to change voice to 67 (Tenor Sax). Pressing MIDI/SELECT button and 67 on numeric keys then enter key and MIDI/SELECT button again to finish this action.

*Please note: after you press enter key the LED display will show "---" to indicate that you pressed enter key and will not disappear until you press MIDI/SELECT button to finish your choice. After you press cancel key the LED display will show blank to indicate that you pressed cancel key and will not disappear until you press MIDI/SELECT button to finish your choice.*

## Part B. Rear Panel

**1. Sustain jack:** This jack allows you to connect an optional footswitch to the keyboard. When the footswitch is depressed, notes played on the keyboard will continuously sound as long as the footswitch is held back.

**2. MIDI Keyboard out jack:** This standard MIDI jack is used to send keyboard

generated MIDI messages to another MIDI instrument (such as sound module).

3. **MIDI "USB" Out Jack:** - This standard MIDI jack receives its source from the computer when software is set to MIDIPLUS i61 MIDI Out, and pass these MIDI messages to another MIDI instrument (works like MIDI through).
4. **USB Port** - This USB connector jack is used to connect the MIDIPLUS i61 to the Computer's USB port using a standard USB cable (included).

## Specification

Keyboard	61 dynamic keys.
Simultaneous Note output (Reverse priority)	10 notes
Control switches	MIDI Channel, Reset, Octave -2, -1, center, +1, +2, Program Change, CC-00/CC-32 (For GS Bank Selection), CC-No. (Generic CC Assignment). CC-Data. Data Entry After Touch Assignment, Data Entry Velocity Assignment, Data Entry Reverb Send Level Assignment, Data Entry Chorus Send Level Assignment, Pan Pot Assignment (CC-10), Volume Assignment (CC-07). CC-Data. Numerical Keys x10, Enter, Cancel, Pitch Bender Wheel, Modulation Wheel, Data Entry slide
External Control Terminals	MIDI Out (DIN), Sustain, USB port connect (for power and MIDI), Power SW.
Display	7 segment LED x 3
Dimensions	75x23.7x6.6 (cm)
Weight	3 kg
Power source	5V USB Port

## MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Default	1	x	
Channel Changed	1-16	x	

Default Mode Messages Altered	Mode 3 x *****	x x x	
Note Number True Voice	12-108 *****	x x	With Octave Change
Velocity Note ON Note OFF	o x	x x	
After Key's Touch Ch's	x o	x x	
Pitch Bender	o	x	
Control Change	o	x	
Prog Change :True # CC-00, CC-32	1-128 0-127	x x	
System Exclusive	x	x	
System :Song Pos System :Song Sel Common :Tune	x x x	x x x	
System :Clock Real Time :Commands	x x	x x	
Aux :Local ON/OFF Mes- :All Notes OFF sage :Active Sense :Reset	x o o o	x x x x	Send with Reset.  Send with Reset.
Notes:			

o=Yes, x=No