MIDIPLUS

i61

Owner's Manual

中文（页1-8）
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前言

感谢您购买MIDIPLUS i61 MIDI 键盘。i61具有丰富的功能且操作简单。通过USB连接电脑软件与i61，你可以随时享受音乐创作的乐趣。本说明书可以帮助您快速了解i61的功能与操作方法，掌握i61与其他MIDI设备通信的方式。请妥善保存本说明书，以便您能及时方便查阅。

重要安全事项

请注意以下安全事项，以免损坏设备或者造成人身伤害。

1. 不要在潮湿的环境放置或操作本设备，如浴室，游泳池等。
2. 不要在高温或太阳直射的环境放置本设备，如散热器，暖气片附近。
3. 如需使用外部电源供电，请选用我们要求的规格。
4. 若长时间不使用本设备，请断开外部电源连接。
5. 不要使小的金属物品落入设备，避免引起内部电路短路。
6. 不要自行打开设备，如果需要请咨询相关专业人士。
7. 不要长时间开启本设备。
8. 儿童需在成人的指引下，了解此安全注意事项。
9. 不要在收音机，音箱，电视机及其他设备附近使用本设备，以免引起电磁干扰。
10. 不要使用汽油、酒精以及其他的溶解性溶剂清洗设备，以免造成设备损伤。在用干的或者稍微湿润的布擦洗设备时，请拔掉外部电源和USB连接线，避免造成电击。
11. 不使用外部电源时，请拔掉外部电源。
12. 请放置本设备在一个安全的地方，防止跌落；不要随意抛掷本设备。
13. 不要在雷雨天气使用本设备，以防雷击。

产品特色

——新增特色

MIDIPLUS i61 MIDI键盘，使用ARM7作为处理MIDI信息的芯片。强大的信息处理功能，给你带来不一样的创作和弹奏乐趣。

——主要功能

- 拥有61个力度琴键。
- 可直接USB电脑供电，无需任何外部电源即可弹奏。
- 可作为一个便携的控制器单独使用，使用DC6-9V直流外部电源供电即可。
- 一根USB线即可与电脑连接，可以方便快捷的组建属于自己的创作系统。
- 拥有2个MIDI OUT接口，可以发送MIDI信息到电脑，或者作为MIDI控制器使用。
- 拥有SUSTAIN接口，可以根据需要连接延音踏板。

——什么是MIDI

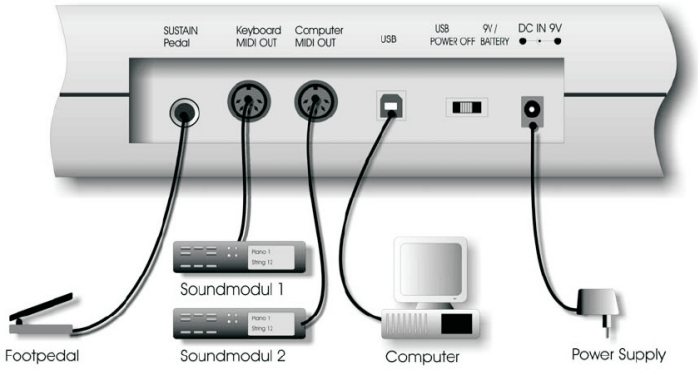
MIDI是音乐设备数字接口的简称。这种接口技术的作用就是使电子乐器与电子乐器，电子乐器与电脑之间通过一种通用的通讯协议进行通讯，称为MIDI协议。下面利用插图详细介绍i61与电脑和其他MIDI设备之间的通信方式。拥有通用的MIDI传输方式，使i61具有强大的操作功能。

——怎样使用i61的MIDI功能

1. i61与其他MIDI设备连接

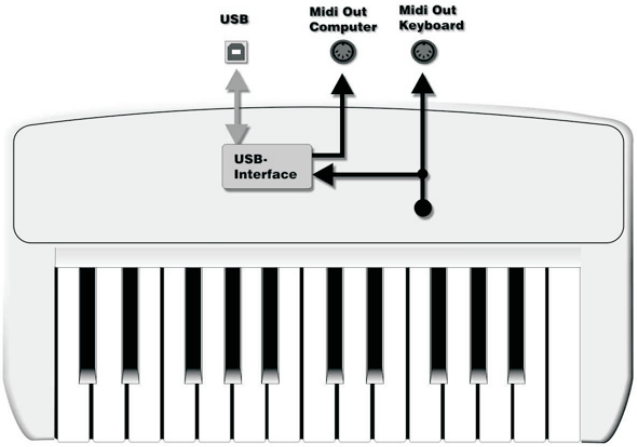
用MIDI线连接i61的MIDI OUT接口与外部MIDI设备的MIDI IN接口，来进行MIDI信息的传输。必须确保i61和外部MIDI设备的通道相同，才可以顺利的传输MIDI信息。

2. i61 MIDI连接图



——MIDI接口的使用

i61有内置的MIDI接口，不但可以传输键盘的MIDI信息到电脑，还可以传输电脑的MIDI信息到键盘。两个MIDI OUT接口，拥有不同的用法。MIDI接口可以用来控制音源或者音效控制器。可以把键盘的琴键作为MIDI输入，Keyboard MIDI OUT作为输出。请正确安装驱动，以便MIDI接口正常使用。



操作

MIDI/SELECT 按键:演奏模式与副功能编辑模式切换按键。

开机时琴键默认处于演奏模式，每个琴键对应相应的音符。按下MIDI/SELECT按键，琴键进入副功能编辑模式（按键指示灯点亮，数码管显示“SEL”），每个琴键对应其上方丝印功能。副功能编辑模式下按下MIDI/SELECT时，琴键又返回到演奏模式。

编辑模式下的副功能:

1. **MIDI CHANNELS(1~16):**通道选择

可选通道: 1~16。

操作举例: 选择通道10。

1). 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2). 按下丝印“10”的琴键，数码管显示所选通道号“10”(此时所选通道生效)。
3). 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号“10”（此时通道号被记忆）。

2. **ASSIGNMENT DATA ENTRY:**DATA ENTRY功能选择

可选功能:

1). AFTER-TOUCH: Channel Pressure调整(调整范围：0~127)。
2). VELOCITY:琴键力度曲线选择(调整范围：1~8)。
3). REVERB: Reverb效果调节(调整范围：0~127)。
4). CHORUS: Chorus效果调节(调整范围：0~127)。
5). PAN POT:Pan Pot调节(调整范围：0~127)。
6). VOLUME:Volume调节(调整范围：0~127)。
7). CC DATA: CC NO.控制值调节(调整范围：0~127)。

操作举例: 配置DATA ENTRY用于REVERB效果控制。

1). 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2). 按下“REVERB”丝印对应琴键，数码管显示混响效果值，默64(此时DATA ENTRY选配REVERB功能生效)
3). 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号（此时DATA ENTRY选配REVERB功能被记忆）。

注明:

DATA ENTRY推子被配置成VELOCITY功能后，演奏模式下可以直接

通过推子调用不同的力度曲线,每次改变1分钟后自动保存(曲线请参考附图1)

3. Octave(-2~+2)：Octave调节
可选操作：1.”-1”:下调1个八度。
2.”STANDARD”:恢复到默认状态0。
3.”+1”:上调1个八度。
偏移范围：-2~+2。
操作举例：上调2个八度，左边第1个琴键由"C2"变为"C4"，琴键整体上移2个八度。
1). 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2). 按下"+1"丝印对应琴键两次，数码管显示“U 2”（此时Octave调节生效）。
3). 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号（此时调节后的Octave值被记忆）。

4. Transpose(-12~+12)：Transpose调节
可选操作：1.”b”:下调1个Transpose。
2.”♮”:恢复到默认状态0。
3.”#”:上调1个Transpose。
偏移范围：-12~+12。
操作举例：下调3个Transpose，左边第1个琴键由"C2"变为"A1"，琴键整体下移3个Transpose。
1). 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2). 按下"b"丝印对应琴键3次，数码管显示“b03”（此时Transpose调节生效）。
3). 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号（此时调节后的Transpose值被记忆）。

5. RESET：恢复出厂设置
操作举例：
1). 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2). 按下"RESET"丝印对应琴键，数码管显示“rES”。
3). 按下”ENTER”丝印对应琴键进行确认，数码管显示“SEL”（此时出厂设置生效）。
4). 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号（此时初始化后的所有参数被记忆）。

parameter	Default
MIDI CHANNEL	1
DATAENTRY	VOLUME
OCTAVE	0
TRANSPOSE	0
CC DATA	0
CC NO.	7
BANK LSB	0
BANK MSB	0
PROGRAM	1
VELOCITY	5

6. 参数配置

可选参数&配置范围： 1. CC DATA:CC NO控制值（0~127）。
2. CC NO.:选择一个CC（0~127）。
3. BANK LSB:BANK LSB控制值配置（0~127）。
4. BANK MSB:BANK MSB控制值配置（0~127）
5. PROGRAM:音色选择（1~128）。

操作举例： 将PROGRAM设置为123。

1）. 按下MIDI/SELECT按键，进入副功能编辑模式（指示灯点亮，数码管显示“SEL”）。
2）. 按下"PROGRAM"丝印对应琴键，数码管显示当前音色编号。
3）. 在"NUMERIC KEYPAD"部分依次按下“1”，“2”，“3”，此时数码管显示“123”。
4）. 按下“ENTER”丝印对应琴键进行确认，数码管显示“SEL”(此时PROGRAM生效）。
5）. 再次按下MIDI/SELECT按键，返回演奏模式。指示灯熄灭，数码管显示通道号（此时PROGRAM值被记忆）。

备注：

在副功能编辑模式下操作副功能时有如下特征。

1. 仅操作“RESET”与“参数配置”功能时“ENTER”为确认键；操作其他副功能时此键无效。
2. 仅操作“参数配置”功能时“NUMERIC KEYPAD”为数字键，“CANCEL”为清除键；操作其他副功能时这些键都无效。
3. 在操作“参数配置”功能时利用“NUMERIC KEYPAD”键输入数字不在参数允许范围内，此时按下“ENTER”键参数值不变。
4. 被记忆的数据在下次开机依然保持。

PitchBend 滑轮

使用PitchBend滑轮来调制弯音效果。向上滑动，音高上升，向下滑动，音高下降。

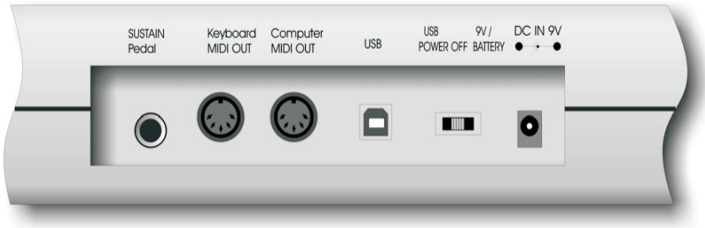
Modulation滑轮

使用Modulation滑轮来调制颤音效果。向上滑动，颤音增加；向下滑动，颤音减小。

DATA ENTRY推子

Data Entry推子可以被配置成任一功能,调以此来调节达到相应的效果，例如在正常模式下，Data Entry可以用来调节音量、混响、声像、琴键触后感应等。有关怎样配置功能，请详细阅读本书明书（MIDI/SELECT按键->DATA ENTRY功能选择）部分内容。

后面板



Sustain踏板接口

可以根据需要，在此接口接入延音踏板。

MIDI OUT接口

i61两有个标准的MIDI OUT接口。MIDI OUT USB接口可以接收电脑下发的MIDI 信息，MIDI OUT KETBOARD接口可以将i61接收到的MIDI信息下发给其他外接的MIDI设备。

USB接口

用于i61和电脑的连接，便于信息的传输，也可以通过此接口给设备提供电源。

电源开关

用于切换设备供电方式。仅适用USB电脑供电时，请把开关拨向”USB power”一端；仅使用外部电源供电时，请把开关拨向”DC”一端；需要断开设备通电时，请把开关拨到中间”OFF”位置。

外部电源接口

用于连接外部电源适配器（规格：DC 6~9V 500mA, Φ2）。

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.

IMPORTANT SAFETY INFORMATION

Please kindly note that it is very important to read the following safety instructions first.

1. Keyboard should be kept off water or wet environment nearby like bathroom or swimming pool.
2. Keyboard should be kept off heating elements nearby like a radiator or similar, also don't put keyboard in the places with high Temperature or direct sunshine.
3. Use the power supply that is declared in our Specification.
4. If you don't use the keyboard for a long time, please plug power off.
5. Don't let small or metal objects like a coin or paperclip fallen into the keyboard resulting in short circuit.
6. Do not open the keyboard, this is allowed by qualified technicians only.
7. Do not let keyboard switched on all the time.
8. Children should be informed about these secure information by an adult, if children are too young to understand this information.
9. Electromagnetic fields like places near of a radio, audio amplifiers or television can be disturbing. Enough distance is important.
10. For cleaning, never use petrol, alcohol or solvent, resulting in damaging of the housing. Before using a dry or little wet rag for cleaning, please unplug power supply or USB connector to avoid electrical shock.
11. Never unplug the keyboard when the power supply is powered.
12. Don't throw the Keyboard, and also never let them crash down.
13. When it will be thunderstorm, please unplug all connectors.

Features

- WHAT'S NEW

The MIDIPLUS i61 MIDI master controller keyboard is based on a powerful platform. It uses an ARM7 chip to process the MIDI, bring you a nice feeling.

- 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.

The MIDIPLUS i61 May be used as a completely portable standalone controller when powered by a 6V~9V DC external power supply.

For setting up MIDI connection of your MIDIPLUS i61 with PC, your MIDIPLUS i61 comes with an a A- B USB adapting cable for connecting your keyboard 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 Jack for an optional sustain pedal.

Although the MIDIPLUS i61 has no built-in sound capabilities, it offers various useful MIDI functions.

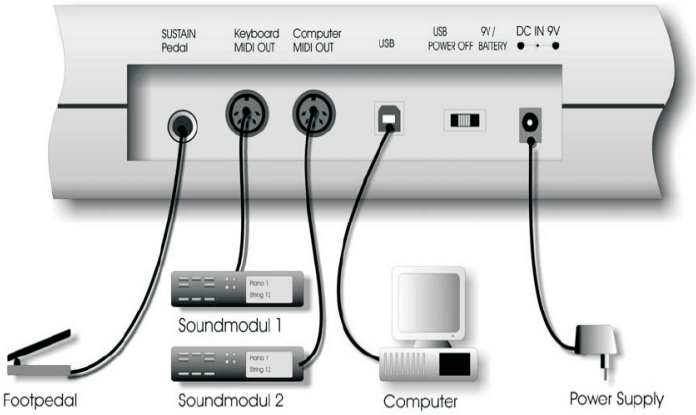
- WHAT`S THE MIDI FUNCTIONS

MIDI is the acronym for Musical Instrument Digital Interface, which makes all digital musical instruments equipped with this standardised interface capable of exchanging their MIDI data or "talk to each other"! To explain how MIDI works on your instrument in more detail, 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.

– HOW TO USE THE MIDI FUNCTIONS

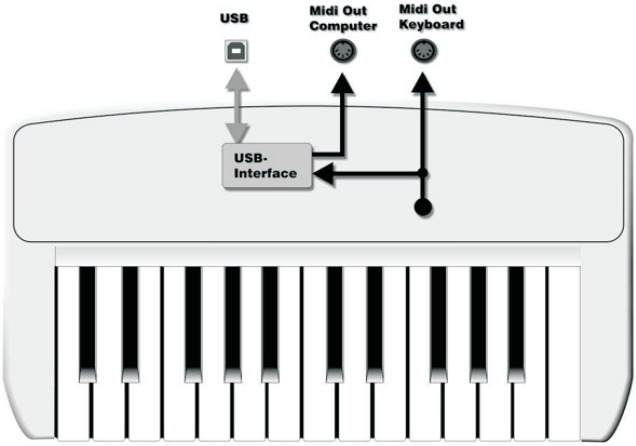
1. Connecting the keyboard to other MIDI instruments:
To transmit MIDI data from your keyboard to other professional MIDI instruments, please purchase a MIDI cable and use it to connect the MIDI OUT jack of your MIDIPLUS i61 to the MIDI IN jack of the other instrument. Make sure that the MIDI “transmit”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

2. Please refer to the following diagram for the MIDI connection:



– Using the MIDI-Interface

The MIDPLUS i61 Keyboard has a build-in midi-interface, which transfers the midi data from the keyboard to the computer, but also from the computer to the midi-out at the keyboard. The booth midi-outs are separate usable, to control a sound expander or maybe an effect device. In your music program you can set the midi-out-port of the interface as the output of the keyboard, and also the input-port of the interface as the input of the keys of the keyboard. If the driver installation is correct, you can use the interface without problems.



Operation

MIDI/SELECT Button

i61 has normal mode and edit mode, the MIDI/SELECT button enables you to switch between the two modes. When you power up i61,the default mode is normal mode. Press the MIDI/SELECT button, the button LED is on and the data display shows" SEL ".Now the label above the key indicate its function, you can edit the keyboard as you want. Then press the MIDI/SELECT button again and the button LED is off, you can go back to the normal mode. At the same time, the edit is saved in the memory and the data display shows the channel at present.

The labeled keys' functions under the edit mode:

1. MIDI CHANNELS(1~16)

You can set the keyboard MIDI channel by pressing the relevant key. The MIDI channel is between channel 1 to channel 16.
For example, Set the keyboard MIDI channel to 10.
First, press the MIDI/SELECT button(LED is on and data display shows" SEL ") to switch to edit mode;
Second, press the key labeled "10"above, the data display shows the

channel number you select and the select channel is activate at the same time.
Third, press the MIDI/SELECT button(LED is off)to switch to normal mode.

2. ASSIGNMENT DATA ENTRY

You can use the key to edit the DATA ENTRY Slider's function according to the label above it.
The function of each labeled key is：
AFTER-TOUCH: You can adjust the Channel Pressure from 0 to 127.
VELOCITY: Choose the Velocity Curve(from1 to 8).
REVERB: You can adjust the Reverb effect from 0 to 127.
CHORUS: You can adjust the Chorus effect from 0 to 127.
PAN POT: You can adjust Pan Pot from 0 to 127.
VOLUME: You can adjust the Volume From 0 to 127.
CC DATA: You can set the CC Number from 0 to 127.

For example, set the DATA ENTRY to control the REVERB effect.
First, press the MIDI/SELECT button(LED is on and data display shows" SEL ") to switch to edit mode;
Second, press the key labeled with "REVERB"above,the data display shows the default value(64) of reverb and the edit is activate at the same time;
Third, press the MIDI/SELECT button again(the LED is off) to switch to normal mode.

Remark:
After you configure the DATA ENTRY to Velocity, you can use this slider to choose the curve you want at the normal mode, And after 1minute the edit will save.(please refer to Figure1).

3. Octave(-2~+2)

You can use these keys to set the Octave of the keyboard.
The function of each labeled key is:
"-1":Octave down
"STANDARD":Back to the default Octave:0.
"+1":Octave up.
OCTAVE RANGE is:-2~+2。

For example, Set the keyboard Octave up to 2.
First, press the MIDI/SELECT button(LED is on and data display shows" SEL ") to switch to edit mode;
Second, press the key labeled with "+1"above two times, the data display shows" U 2 "and the edit is activate at the same time;
Third, press the MIDI/SELECT button again(the LED is off) to switch to normal mode.

4. Transpose(-12~+12)

You can use these keys to set the keyboard transpose.
The function of each labeled key is:
"b":Transpose -1.
"♮":Back to the default transpose 0.
"#":Transpose +1.
Transpose range is:-12~+12.
For example, set the keyboard Transpose to -3.
First, press the MIDI/SELECT button(LED is on and data display shows" SEL") to switch to edit mode;
Second, press the key labeled with "b"above three times, the data display shows "b03"and the edit is activate at the same time;
Third, press the MIDI/SELECT button again(the LED is off) to switch to normal mode.

5. RESET

You can use this key to reset the keyboard to factory setting.
For example, you can do as the following steps to reset the keyboard.
First, press the MIDI/SELECT button(LED is on and data display shows"SEL") to switch to edit mode;
Second, press the key labeled with "RESET"above and the data display shows "rES";
Third, press the key labeled with "ENTER",the data display shows "SEL"and the keyboard reset to factory setting at the same time.
Fouth, press the MIDI/SELECT button again(the LED is off) to switch to normal mode.

The factory setting data is:

parameter	Default
MIDI CHANNEL	1
DATAENTRY	VOLUME
OCTAVE	0
TRANSPOSE	0
CC DATA	0
CC NO.	7
BANK LSB	0
BANK MSB	0
PROGRAM	1
VELOCITY	5

6. Configuration

You can use these keys to configurate some parameters value.
The parameter you can configurate with the labeled key is:
CC DATA: Configurate the select CC Number's value from 0 to 127.
CC NO.:You can select a CC Number from 0 to 127.
BANK LSB:Configurate the BANK LSB value from 0 to 127.
BANK MSB:Configurate the BANK MSB value from 0 to 127.
PROGRAM: Select the timbre you want. The NO. Is from 1 to 128.

For example, set the PROGRAM to 123.
First, press the MIDI/SELECT button(LED is on and data display shows" SEL ") to switch to edit mode;
Second, press the key labeled with "PROGRAM"above,and the data display show the program number at present;
Third, press the key labeled with "1","2","3"successively in the "NUMERIC KEYPAD" part, and the data display shows the number you pressed "123";
Forth, press the key labeled with "ENTER",the data display shows " SEL "and the edit is activate at the same time.
Fifth, press the MIDI/SELECT button again(the LED is off) to switch to normal mode.

Remark

During you edit the keyboard, please take care of the following items.

1. The key labeled with"ENTER"is used just as a confirm key when you "reset" or "configuration" some parameters of the keyboard. When you edit other parameters, this key has no function.
2. When you "configuration" some parameters, the "NUMERIC KEYPAD"part labeled keys are used to edit the number, the "CANCEL"key is used to clear the "number" you pressed. When you edit other parameters, these "NUMERIC KEYPAD"part labeled keys and the "CANCEL"key have no function.
3. When you press the labeled key in the "NUMERIC KEYPAD"part and the number out of the range, then press the "ENTER"key,the edit is invalid.
4. The edit will be saved in the memory when you switch to normal mode.

Pitch Bend Wheel

The Pitch Bend wheel is used for raising or lowering the pitch of a voice during performance. The range of pitch numeric value depends on the sound generator (sound card or module) being used. Please refer to the manuals of your devices for information on how to change the Pitch Bend range. To bend the pitch up, please move the wheel away from you. To bend the pitch down, please move the wheel towards you.

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 Saxophone Strings and Oboe.

Data Entry Slide

This controller is used to enter numeric value while editing and as an assigned CC controller while playing. In normal mode, This slide controller allows you to adjust Volume,Reverb, Pan pot and Aftertouch but Velocity. Here is to show you how to select one of Setting parameters.

Rear Panel

Sustain Jack

This jack allows you to connect an optional sustain pedal to the keyboard.

MIDI OUT Jacks

i61 has two standard MIDI OUT Jack.MIDI OUT USB Jack can receive the MIDI message from computer.MIDI OUT KEYBOARD Jack can pass these MIDI messages to another MIDI device (works like MIDI through).

USB Jack

This jack is used to connect the i61 with the computer, to get power and communicate with the computer.

Power Switch

The 3-way power switch turns the keyboard's power to external power DC or USB Power or power off. If you want to power the device by the USB,please switch to the USB POWER side.If you want to power the device by the external power,please switch to the DC side.If you want to power off the device,please switch to the middle position(OFF).

External Power Supply

This jack is used to get the external power.(DC 6~9V,with Φ2)

Specification

Keyboard	61 dynamic key
Simutaneous Note output(Reverse priority)	61 notes
Control switches	MIDI Channel,Reset,Octave (-2,-1,0,+1,+2),Program Change,BANK MSB/BANK LSB(For GS Bank Selection),CC-No.(Generic CC Assignment).CC-Data.Data Entry AfterTouch 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 x 10,Enter,Cancel,Pitch Bender Wheel,Modulation Wheel,Data Entry Slide
Extenal Control Terminals	USB port(for power and MIDI)
Display	7 segment LED x 3
Dimensions	75x23.7x6.6(cm)
Weight	3kg
Power source	DC6-9V or PC USB Port

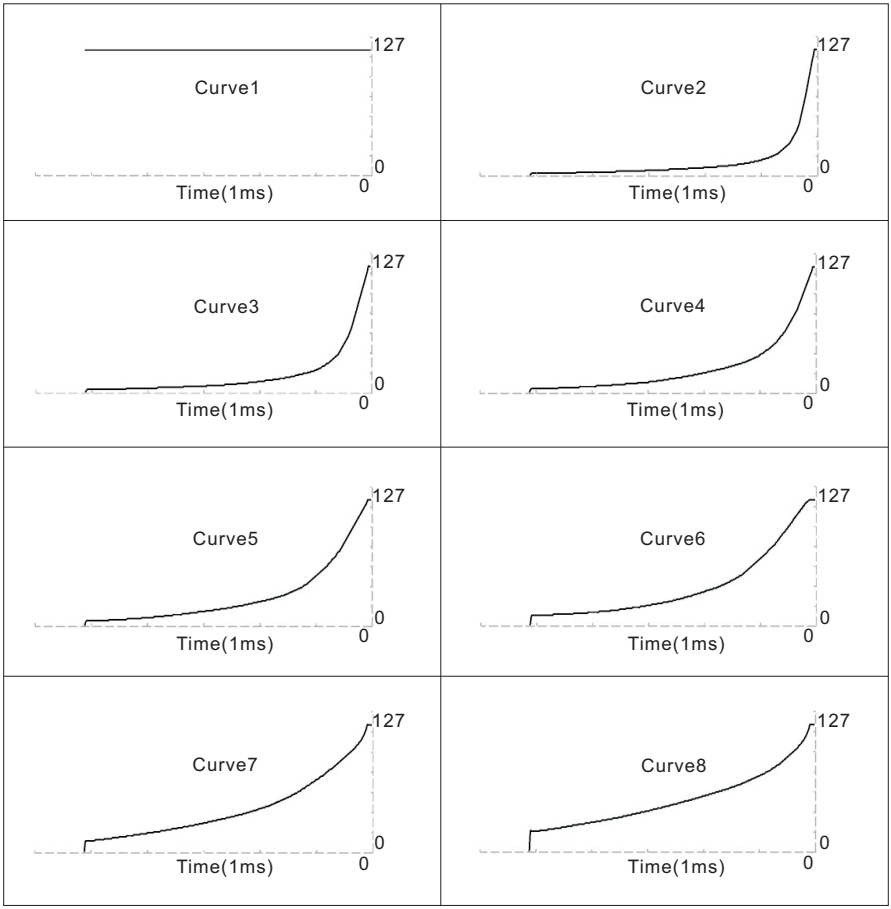
**Service e-mail:info@midiplus.cn or info@midiplus.com.tw .

MIDI Implementation Chart

Function		Transmitted	Recognised	Remarks
Basic Channel	Default	1	X	
	Changed	1-16	X	
Mode	Default	Mode 3	X	
	Messages	X	X	
	Altered	**********	X	
Note Number		0-127	X	Octave Change
	True Voice	**********	X	
Velocity	Note ON	1-8	X	
	Note OFF	X	X	
AfterTouch	Key's	X	X	
	Ch's	X	X	
Pitch Bender		O	X	
Control Change		O	X	
Prog Change :True #		1-128 0-127	X X	
BANK MSB,BANK LSB				
System Exclusive		X	X	
System	:Song Pos	X	X	
	:Song Sel	X	X	
Common	:Tune	X	X	
System	:Clock	X	X	
	:Commands	X	X	
Aux Message	:Local ON/OFF	X	X	
	:All Notes OFF	O	X	Send With Reset
	:Active Sense	O	X	
	:Reset	O	X	Send With Reset
Notes:				

O=Yes, X=No

Figure 1:Velocity Curve Settings



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