Operation

MIDI / SELECT button

MIDI / SELECT button enable you to change keyboard from Edit Mode to Normal Mode or from Normal Mode to Edit Mode.

When press MIDI / SELECT button, it enter Edit Mode, Data Display shows $5EL$. That means you can choose a command to change setting.After press a relevant key of command and press "Enter" to complete setting, Data Display shows $---$ that means it is successful in changing setting.If Data Display shows Err that means invalid inputs,please input parameters again.

Please kindly note that saving Preset Group and Velocity Curve setting have been done via changing keyboard from Edit Mode to Normal Mode.

MIDIPLUS ORIGIN SERIES provides several groups of MIDI commands and here will show you how to concretely use them :

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（Origin 49 and 61 have this function but Origin 25）, and

Aftertoucht but Velocity. Here is to show you how to select one of Setting parameters. For example, In normal mode, this slide controller is adjusting Volume and you want it to adjust Reverb. Here are operation steps:

1.Press MIDI / SELECT button to enter Edit Mode.

2.Press key Reverb Depth.

Now, Data Entry Slide is adjusting Reverb but Volume.

In Edit Mode, Velocity Curve is from 1 to 8, all of Reverb, Pan Pot,and Aftertouch input numeric value are from 0 to 127.

Velocity Curve

Selects one of eight velocity curves to customize the sensitive of the keyboard. When playing a velocity–sensitive sound (such as a piano), select a curve that provides the most natural response to your playing style.

The selected velocity curve does not affect the outgoing MIDI velocity data; it affects the response of the internal synthesizer engine, both from the keyboard and from incoming MIDI data.

Velocity Curves as follows:
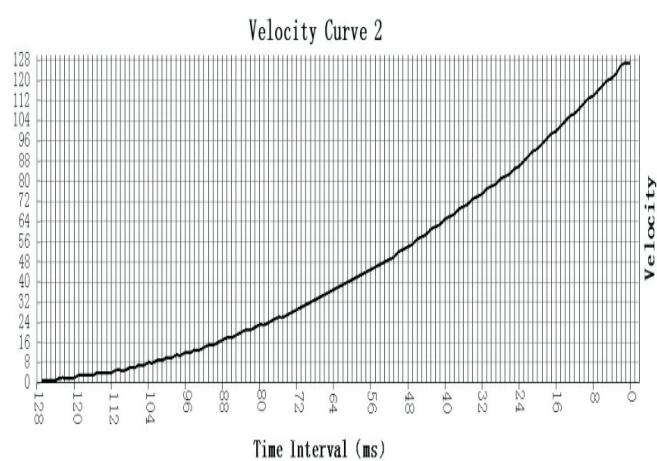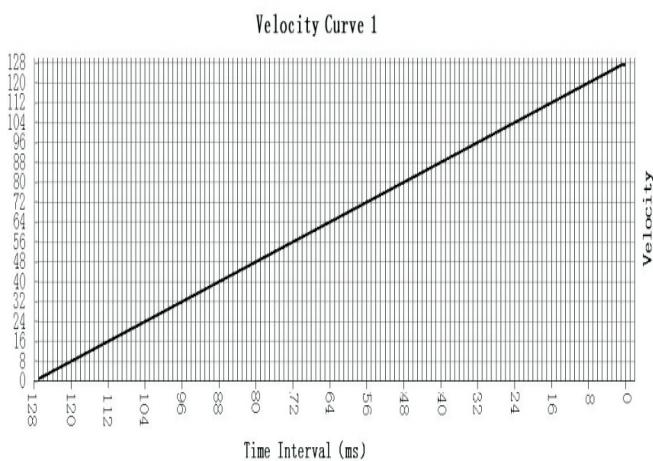
Velocity Curve 3

Velocity

Time Interval (ms)
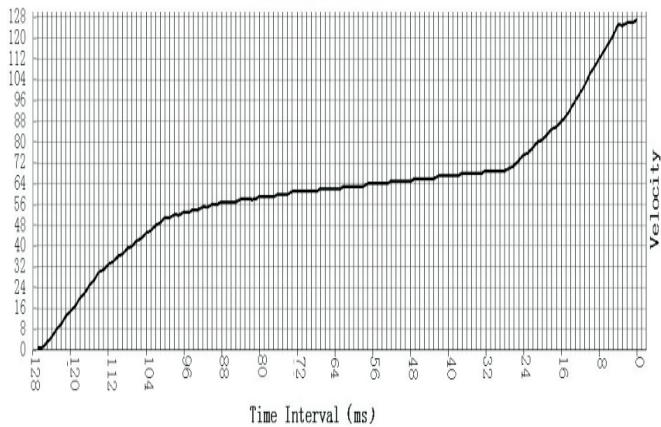
## Velocity Curve 4

Velocity

Time Interval (ms)
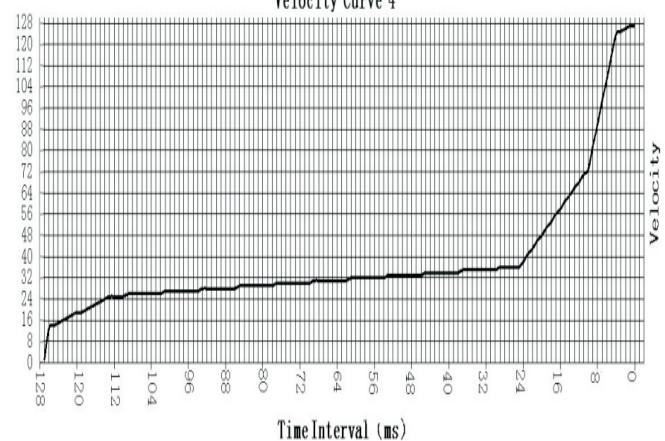
Velocity Curve 5

Velocity

Time Interval (ms)
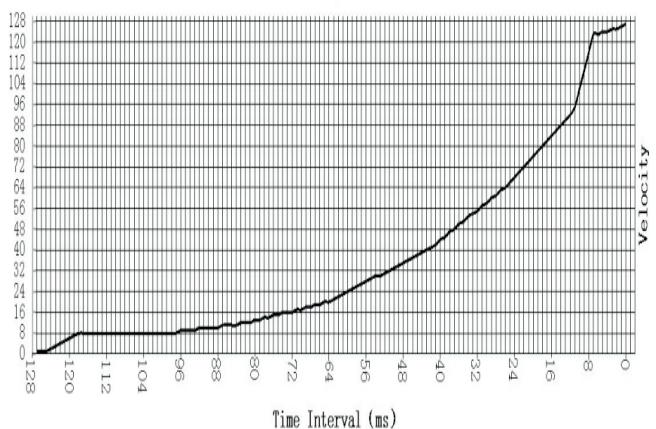
Velocity Curve 6

Velocity

Time Interval (ms)
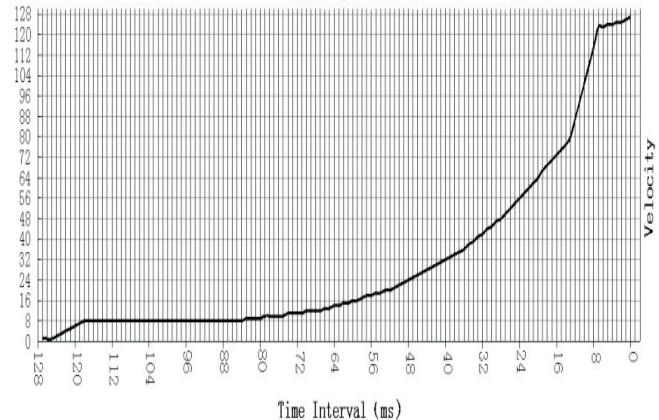
Velocity Curve 7

Velocity

Time Interval (ms)

Velocity Curve 8

Velocity

Time Interval (ms)
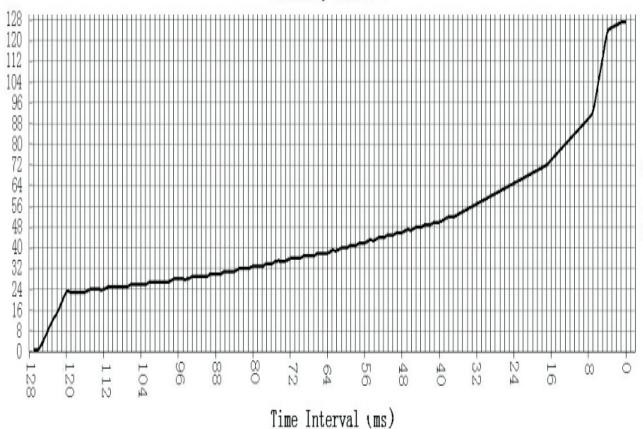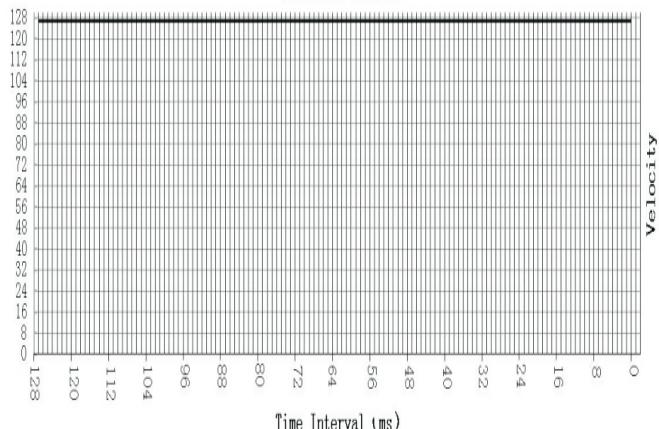
Octave Group

The octave buttons transpose the keyboard up or down one octave. When the transpose buttons are pressed, the octave transpose amount appears in the numeric display, i. e -3.

Please note that Origin 25 has a function, that the others have not. Press Up and Down simultaneously, Data Display shows "0".

Transposer Group

Press the MIDI/SELECT button and the TRANSPOSE Key you increase（#）or decrease（b）the notes by halftones. If you want to transpose by 3 semitones: Press the MIDI/SELECT button and the "#" key,（in the display you see 3 for three semitones）then press MIDI/SELECT to finish the change.

Reset key

Pressing the MIDI/SELECT button and the Reset key will send out a message to return all external MIDI instruments to their default setting as well.

Default setting as follows:

Default value	Explanation
MIDI channel = 1	Channel value is reset to 1(1 to 16)
Octave value = 0	Octave value is reset to 0(-4 to +4)
Transposer value = 0	Transposer value is reset to 0(-6 to +6)
Reverb value = 64	Reverb value is reset to 64(0 to 127)
Aftertouch value = 0	Aftertouch value is reset to 0 (0 to 127)
CC DATA = 0	CC DATA is reset to 0(0 to 127)
Volume value = 127	Volume value is reset to 127(0 to 127)
CC DATA = 0	CC DATA is reset to 0(0 to 127)
CC NO. = 7	CC NO. is reset to 7(0 to 127)
Program = 1	Program value is reset to 1(1 to 128)
Data Enter = volume	Data Entry Slide is reset to adjust volume(CC NO. 0 to 127)

Control Change data entry by Numeric keypad

MIDIPLUS ORIGIN SERIES allows you to use the numeric keys to specify your Control Change DATA parameter instead of data entry slide. These parameters are Set CTRL,Reset,transposer,MIDI Channel,CC No,Program.By pressing MIDI/SELECT button and CC data key and then the required number and finally the 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. (will be shown in display);

3 Choose 7 on numeric keypad;

4 Press enter key to specify Control Change as 7;

5 The display shows --- as finish;

6 Press CC DATA. (will be shown in display);

7 Press number key 1, 2, and 3;

8 Press enter key to specify value 123 to finish this action;

9 For Reverb and Chorus Depth, Pan Pot and Volume, you only need to enter CC Data Value.

Please kindly note for e.g.: after you press enter key the LED display will show --- as finish. After you press Cancel key the LED display will show blank to indicate that you canceled previous input.

Program key

This option allows you to access all 128 program change commands on an external MIDI synthesizer.

1.While pressing MIDI/SELECT button, "Data Display" shows SEL;

2.Pressing Program key and "Data display" shows a number(1-128),and then select the desire program number by pressing Numeric key, which input value is 1 to 128;

3.Finally,press Enter key to complete Program setting and "Data display" shows the number you choose.

For example ,if you want to change voice to 67 (Tenor Sax): Press MIDI/SELECT button and 67 on numeric keys, then enter key and MIDI/SELECT button again to finish this action.

Preset Group

In Edit Mode,you can press Preset up and down bottons to select Preset Group(1 to 15). Each Preset Group includes 8 Knobs and Sliders which can change CC and MIDI Channel. In order to assign a Controller Knob or Slider to a MIDI Parameter（MIDI Controller）please follow these steps：

1. Press MIDI select then SetKnob key,Display shows **n⁻⁻**;

2. Choice number of knob on ten key group（1 - 8）then press enter,Display shows **P⁻⁻**;

3. Assign controller number on ten key group（1-127）then press enter,Display shows **C⁻⁻**;

4. Assign act channel number on ten key group（1-16）then press enter;

5. Finally, Press MIDI / select key again to finish assign Knob,,Display shows **⁻⁻⁻**.

Now you have assigned to one Control Knob the MIDI Parameter and the MIDI Channel.

Repeat the same method for the other 8 Real-time Controller Knobs.

Please kindly note that you can press Preset up and down bottons simultaneously In Edit Mode,Data Display shows "P 8"(Only Origin 25 has this function in Origin Series)

Rear Panel

SUSTAIN Pedal | Keyboard MIDI OUT | Computer MIDI OUT | USB | USB POWER OFF | 9V / BATTERY | DC IN 9V

Sustain Jack

This jack allows you to connect an optional Sustain Footswitch to the keyboard.

MIDI OUT Jacks

This standard MIDI jacks is used to send MIDI messages to another MIDI instrument (such as sound module).

USB Port ／ Power Port

This jack is used to connect the keyboard with the computer, to get power and send MIDI messages directly to the sound card.

Power Switch

The 3-way power switch turns the keyboard's power to external power DC5-9V or 6xAA Batteries or power off. The keyboard has a build-in EEPROM Store for saving all settings after leaving Edit Mode.

Trouble Shooting

Fault Resolution	Possible Reason And Countermeasure
MIDI connection fault	do you have installed your midi drivers from your soundcard ? Look at START --> Settings --> System control --> Multimedia --> Tab Midi for installed Drivers.If not,you have to do this first.After that your Keyboard should work with your computer.Attention:In some programs you have to set the Input-Port,before you can receive Midi-data. Please check!!
Audio is delayed	This problem is often attached to the midi device,but in reality it is a problem of the sound card in your computer.Many sound cards have an adjustable latency time,they are used to work with slow computers,and so audio is not interrupt. At the installing of the sound card,the latency time is set to maximum value e.g. 512 samples,and this is too much,so your midi-notes are sounding delayed.Adjust this value to a minimum that is possible for your computer,and you will hear audio correct.But you can connect your keyboard to a sound expander too,and you will see that's no problem of your keyboard.
MIDI Device is not recognize	There are some misunderstandings, because a midi device is not recognizable by computer, except USB.The midi standard does not support recognizing of devices! The MIDIPLUS ORIGIN SERIES is recognized by USB but not by midi-interface,this is normal.
Pedal doesn't work	May be you have the wrong pedal type. There are two types of pedals in the market: One is a pedal with an open contact,and if pressed it closed,and one is with a closed contact and opened if pressed. The keyboard needs a pedal with an open contact

Fault Resolution	Possible Reason And Countermeasure
USB doesn't work	Is power switch on power-on position? Are you sure that the computer found the keyboard or an unknown USB-Device? In the first case everything is Ok. In the second case there is a problem of the Hardware of the keyboard. It must be recognized by your computer otherwise there is no communication between computer and keyboard possible. Could you please test the keyboard on another computer, maybe by a friend or a music shop for check of a hardware problem? In this case please take the keyboard to your reseller for exchange or repair, maybe they have a technician they can help you. Otherwise they should call us to help you. If you connect the keyboard by USB, it should be recognized. Look at Start --> Settings --> System control --> System --> Device manager at Audio/Video/Game controller for the keyboard settings. If not install your USB -driver! Do you have set midi out port at your music program? Please Check! Otherwise look for our latest USB-driver at our homepage. May be its a driver problem.
Device is recognized but no sound	Did you set the input and output ports inside your music-program? This is important otherwise no communication is possible.For example Input port set to midi-keyboard, output port set to soundcard.This kind of Set-ups you will find in Menus like Device manager or Hardware manager and so on.

Fault Resolution	Possible Reason And Countermeasure
After new Start the keyboard don't work	If after a new start or a break the device is not working,it is possible that the legacy option in your Bios is off.Did you set the USB-Legacy Option on?This is important,because some programs could not handle USB-devices without this option.Please check!!
Too many USB-devices	Another point is,if you have too many USB-devices connected to your USB-Port,the port is switched off. A USB Port delivered only 500mA,otherwise the system close the port. Please check how many devices you are using at your USB-port! If you disconnect some devices the port will be switched on,and the device will work.In this case you should use a hub with separated power supply.
Admin or User mode	Are you Admin or User on this computer system? In User mode are some restrictions for USB devices,so many devices do not work in this mode.
Power supply does not work	If the unit isn't powered by power-supply,try to connect by USB-Connection.If it works normal, the power-supply may be damaged.
Alternativ	Please try to connect the keyboard with midi out port at a Mididevice like synthesizer or sound module or a computer of a friend or music shop for testing the correct working keyboard.So you know where you can search the problem. Or try to download a Midimonitor like Midiox --> WWW.MIDIOX.COM to test the correct working of the keyboard. Important:You must set-up the input and output devices!

If anything doesn't help, you can write an e‐mail to our hotline mail to: *help@ning-hui.com* **or *info@midiplus.com.tw* **and then we try to help you**.

Keyboard	25 49 61 dynamic keys
Simultaneous Note output （Reverse priority）	Any notes
Control switches	MIDI Channel Selection Reset Transpose −, + Program Change CC−No. （Generic CC Assignment） CC−Data 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 Controller Knob Assignment （set controller） Numerical Keys x10 Enter Cancel Octave Up, Down 8 real time controller Knobs & Sliders Pitch Bender Wheel, Modulation Wheel, Data Entry Slider/ Crossfader AfterTouch Transport Switchs
External Control Terminals	Computer MIDI Out Keyboard MIDI Out USB Sustain, DC in Power SW.
Display	7 Segment LED x 3
Dimensions	42x23.7x7(cm)-25key 74.5x23.5x6.5(cm)-49key 92x21.5x7.5(cm)-61key
Weight	1.6kg(25key),3.2kg(49key),3.5kg(61key)
Power source	DC 9V Battery

∗∗Design and specifications subject to change without notice
∗∗No liability for printing mistakes
∗∗Rev 06. 2009

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Model Name: MIDIPLUS ORIGIN SERIES

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		0-120	X	
	True Voice	*************	X	
Velocity	Note ON	O	X	
	Note OFF	O	X	
AfterTouch	Key's	X	X	
	Ch's	X	X	
Pitch Bender		O	X	
Control Change		O	X	
Prog		1-128	X	
Change	:True #	0-127	X	
CC-00, CC-32				
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 When Reset.**
	:Active Sense	O	X	
	:Reset	O	X	**Send When Reset.**
Notes:				

Mode 3: OMNI OFF, POLY **O=Yes , X=No**

NOTE

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER AUTHORITY TO OPERATE THE EQUIPMENT.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

MIDIPLUS

www.midiplus.com.tw