

MIDIPLUS

SmartPAD Owner's Manual



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Preface

Congratulations on purchasing the MIDIPLUS SmartPAD master MIDI controller. It is one of the finest products of its kind, made after extensive research into what customers require from a MIDI Controller. When using your MIDIPLUS SmartPAD in conjunction with a computer and appropriate music software, you will be able to discover the wonderful world of Computer Music, with a set of complete musical instruments from your sound card or workstation.

What's in the Box?

The following items should be in your package.

- SmartPAD MIDI Controller.
- Owner's Manual.
- One standard USB Cable.

SmartPAD introduction

SmartPAD is designed for performance with Ableton Live. In this manual, you will find instructions on how to connect the SmartPAD and use its basic features with Ableton Live — Professional SmartPAD Manual Mapping. SmartPAD can also be used in "generic mode" as a controller with other virtual DJ applications that use MIDI protocol.

Connection Diagram

- Connect SmartPAD to your computer with a standard USB cable(included).
- Turn on SmartPAD.
- Open Ableton Live — Professional SmartPAD Manual Mapping.

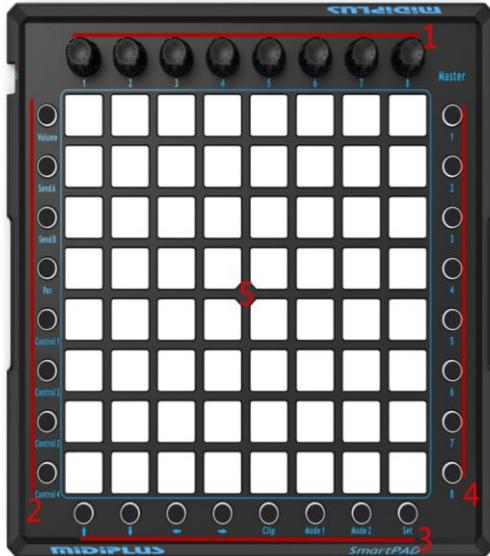
Software Setup

After connecting the SmartPAD(as shown in the Connection Diagram),you will need to configure Ableton Live to recognize it:

- Open Ableton Live — SmartPAD Manual Mapping (after connecting).
- Go to **Options ->Preferences(PC)** or **Live ->Preferences(MAC)**.
- Select "SmartPAD" as the device for the "Input" and "Output".
- Under "MIDI ports", turn all available "Track" and "Remote" settings "On".
- Close the Preferences window.

Chapter 1 : Quick Start

1.1. SmartPAD panel Overview



1. Encoder
2. Eight kinds of function
3. The direction key and four play
4. Scene launch
5. Clip Launch/Session overview

1.1.1. Encoder

Change the values (CC) of each mode(Behind the list).

1.1.2. Eight kinds of function

- **Volume** —Software volume adjustment mode (corresponds to the 1-8 encoder).
- **Send A** —Software effects regulator A (Sends A corresponds to the 1-8 encoder).



- **Send B** —Software effects regulator B (Sends B corresponds to the 1-8 encoder).



- **PAN** —Software Track Pan.(corresponds to the 1-8 encoder).



- **Control 1~4** —Custom maps controller unit. (corresponds to the 1-8 encoder).

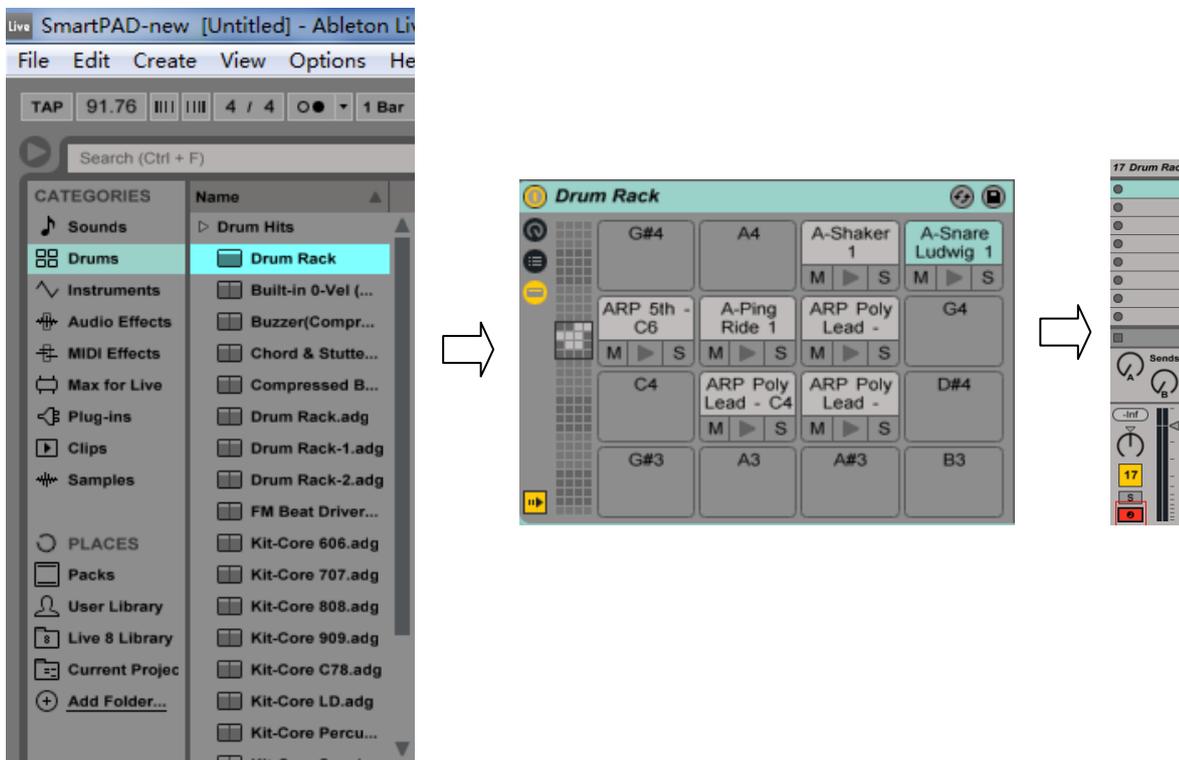
1.1.3. The direction key and four play

- **Bank Select** –These pads move the cursor/selection in Ableton Live and FL Studio by one track (left or right) or by one scene (up or down) .(not effective implementation).
- **Clip** –Toggles between Clip View and Track View.



- **Mode 1**–Corresponding drum rack effects in the software(Blue LED light up when the clip key press)

Software DRUM model



■ **Mode 2** –Switch to the sequencer.

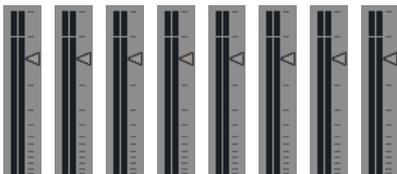
1. MUTE.
2. SOLO.
3. RECORD.



Set Volume –

■ **Set Volume**

This is also a volume controller, in this mode, the scene of Clip will be according to the size of the volume to control the LED light is convenient to observe .Of course, this also need currently is in Volume mode **(When Volume is enable)**.



1.1.4. The direction key and four play

These button triggers an entire row of clips, called a “scene.” All clips in that scene will be triggered, including those not represented in that Clip Launch View **(When Clip is enable)**.



1.1.5. Clip Launch/Session overview

While in Clip launch View (the default), this 8x8 grid of buttons is used to launch clips in Ableton Live and FL Studio The 8 vertical columns represent 8 tracks in the software while the 8 horizontal rows represent 8 clip slots in each track . In this view, the button LED colors represent the following :

- OFF: empty.
- BLUE: clip present, not playing.
- RED: clip present, playing

※When in MODE2

1. MUTE.
2. SOLO.
3. RECORD.



(The rest of the clip is not work)

1.1.6. Manuel Mapping software

SmartPad connection on the computer, after open LIVE9 software, the mouse to click "MIDI" button



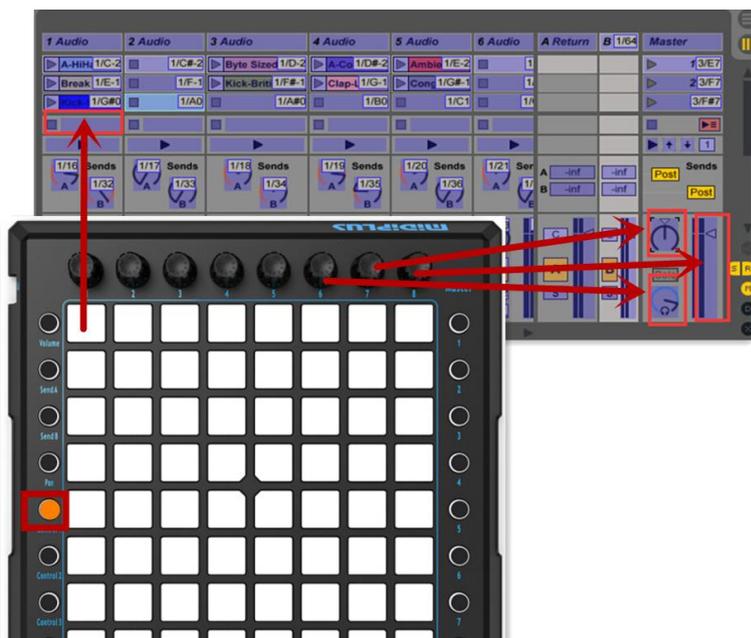
Appear



Purple shaded area in the picture can be mapped, the mouse to click a particular area you want to map, then SmartPad send information can be used. SmartPad encoder and 8 * 8 matrix button can send information, after the completion of the mapping again, click on the "MIDI" can exit the mapping model.

For example, in "CONTROL1", SmartPad encoders can be mapped to a specific function on software.

"CONTROL1", "CONTROL2", "CONTROL3" and "CONTROL4" a total of 32 unmapped encoder for user-defined mapped to software.



Slightly twitched encoder or press the button will have information to send, after the success of the map will have similar Numbers or notes.



Notice: Map button, if you don't succeed, then you need to press a few times more buttons or back into the software mapping interface (" MIDI ").

1.1.7. MIDI command control LED color

MIDI command control LED color, format:

MIDI ON: 0x90 0x00 0xXX (XX: 0x01~0x7F)

MIDI OFF:0x80 0x00 0x00

Velocity Percent	Velocity Value - Hex	Color
100%~76%	0x7F~0x61	Red
75%~63%	0x60~0x51	Green
62%~51%	0x50~0x41	Blue
50%~39%	0x40~0x31	Purple
38%~26%	0x30~0x21	Cyan
25%~13%	0x20~0x11	Yellow (Yellow)
12%~1%	0x10~0x01	White (White)
0%	0	Off

For example , you need to control the LED color of the first PAD on the first line:

Control red LED: ON:0x90 00 7F OFF:0x80 00 00

Control green LED: ON:0x90 00 60 OFF:0x80 00 00
Control blue LED: ON:0x90 00 50 OFF:0x80 00 00
Control purple LED: ON:0x90 00 40 OFF:0x80 00 00
Control cyan LED: ON:0x90 00 30 OFF:0x80 00 00
Control yellow LED: ON:0x90 00 20 OFF:0x80 00 00
Control white LED: ON:0x90 00 10 OFF:0x80 00 00

Note: You need to change the LED color, you must send the MIDI OFF command to turn off the light before you can change the other color.

PAD - MIDI command:

First PAD on the first line: ON:0x90 00 7F OFF:0x80 00 00
Second PAD on the first line:ON:0x90 01 7F OFF:0x80 01 00
Third PAD on the first line: ON:0x90 02 7F OFF:0x80 02 00

First PAD on the second line: ON:0x90 10 7F OFF:0x80 10 00
Second PAD on the second line:ON:0x90 11 7F OFF:0x80 11 00
Third PAD on the second line: ON:0x90 12 7F OFF:0x80 12 00

SmartPAD Clip, Mode1, Mode 2, Set mode:

Clip mode: SmartPAD will send out MIDI notes, different PAD have different MIDI command , MIDI data: 0x90 0xXX 0x7F, 0x80 0xXX, XX:0x00~0x77;

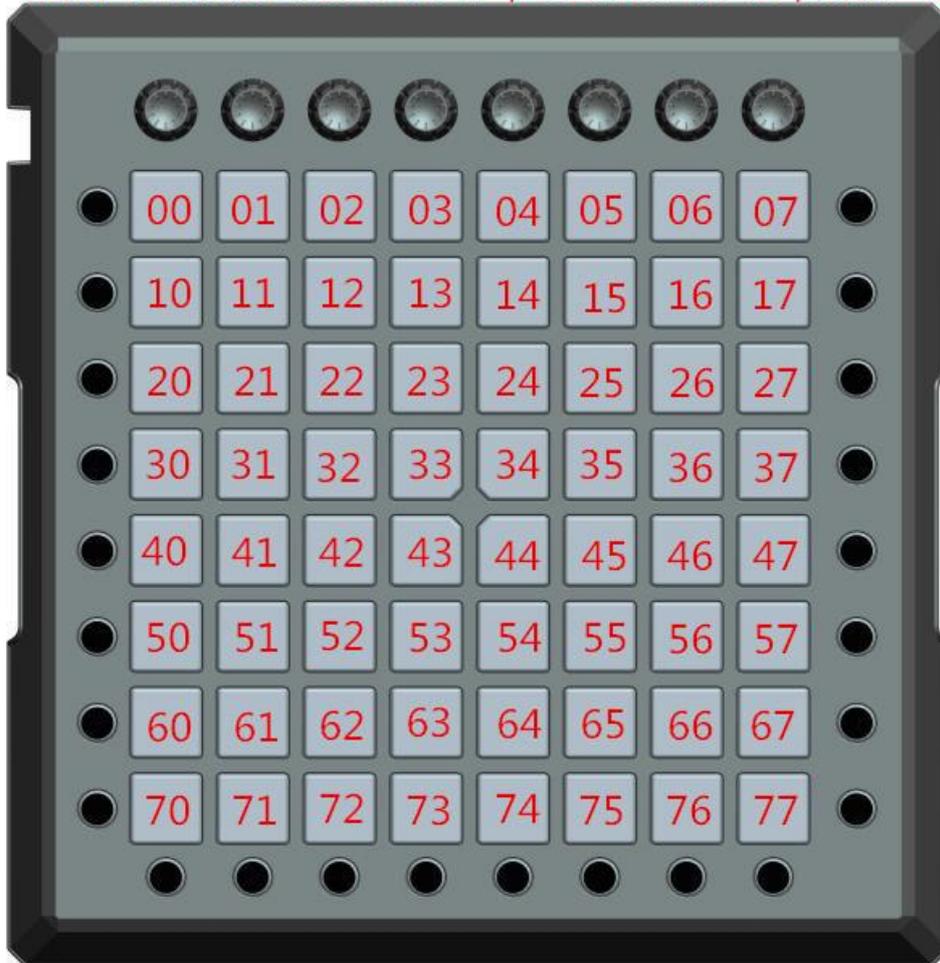
Mode1 mode: SmartPAD will send out MIDI notes, different PAD have different MIDI command , MIDI data: 0x91 0xXX 0x7F, 0x81 0xXX, XX:0x14~0x53;

Mode2 mode: SmartPAD will send out MIDI notes, different PAD have different MIDI command , MIDI data: 0x92 0xXX 0x7F, 0x82 0xXX, XX:0x20~0x47;

The PAD works on bottom three lines.

Set mode: SmartPAD will send out MIDI notes, different PAD have different MIDI command , MIDI data: 0xB0 0xXX 0x7F, XX:0x00~0x37; The Set mode is used in conjunction with the Volume, SendA, SendB, Pan button.

8X8
Data format: ON: 90 XX 7F ; OFF: 80 XX 00 ; XX: 0~7F



1.2. Minimum System Requirement

If you are using your SmartPAD with a computer, the following minimum system requirements need :

Windows	Mac OS
Pentium 3800 MHz or higher.	Macintosh G3*800/G4*733 MHz or higher.
CPU requirement may be higher laptops.	CPU requirement may be higher for laptops.
256 MB RAM.	OS X 10.3.9 with 256 MB RAM.
Direct X 9.0b or higher.	OS X 10.4.2 or greater with 512 MB RAM.
Windows XP(SP2) or higher.	*G3/G4 accelerator cards are not supported.

(Attention : Window98/ME/2000 are not supported)

MIDIPLUS suggests that you connect directly to your computer built in USB ports.

Safety instructions

Please read the following instructions before using the keyboard. Please keep this manual for later use. We signed all important safety instruction with yellow signs.

IMPORTANT RECOMMENDATIONS:



Do not use the keyboard near water, like a swimming pool, bathtub or in wet environment like rain. Do not use the keyboard near heating elements like a radiator, in high temperatures or in the sun. Use the SmartPAD only on your desk and in a dry environment. Do not throw the SmartPAD



Only use a power supply as specified above. If you do not need the SmartPAD for a while, disconnect the power supply / USB cable. If it will get wet, there is a risk that you are harmed by electricity or fire. Never leave the SmartPAD turned on unless you are present.



The SmartPAD should only be opened and repaired by qualified technicians. If you open the SmartPAD by yourself, it could be damaged or this can cause electric danger. Please only use the standard USB cable, which is shipped with the SmartPAD. Don't drop the smartPad, unplug all connectors during a thunderstorm.



The keyboard should not be used by children unless an adult is present. Ensure that the packaging is disposed properly and are not within reach of babies and young children. Ensure that children do not detach any small parts from the unit. They could swallow the pieces!



Do not use open light or fire in the near of the SmartPAD. The plastic cabinet can burn and this can cause a fire!

Cleaning the SmartPAD

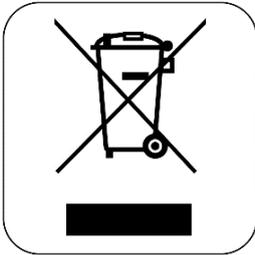
When cleaning the SmartPAD, never use gasoline, alcohol or solvent. It may damage the housing. Use only a dry or slightly damp cloth and unplug the power adapter or USB connector.

Protection of the environment and correct disposal



If you see this sign on the package, you can disposal this package like it is normal in your local waste facility. Please follow this signs on the packaging

Disposal of your old SmartPAD



The SmartPad itself should not be disposed in your normal waste. All electronics should be disposed like usual for special electronic waste in your country. You can dispose it in compliance to your national guidelines and please follow the national instructions. If you need help, please contact your dealer or local administration.

These informations are relevant for private persons, and also for companies which are selling this product.