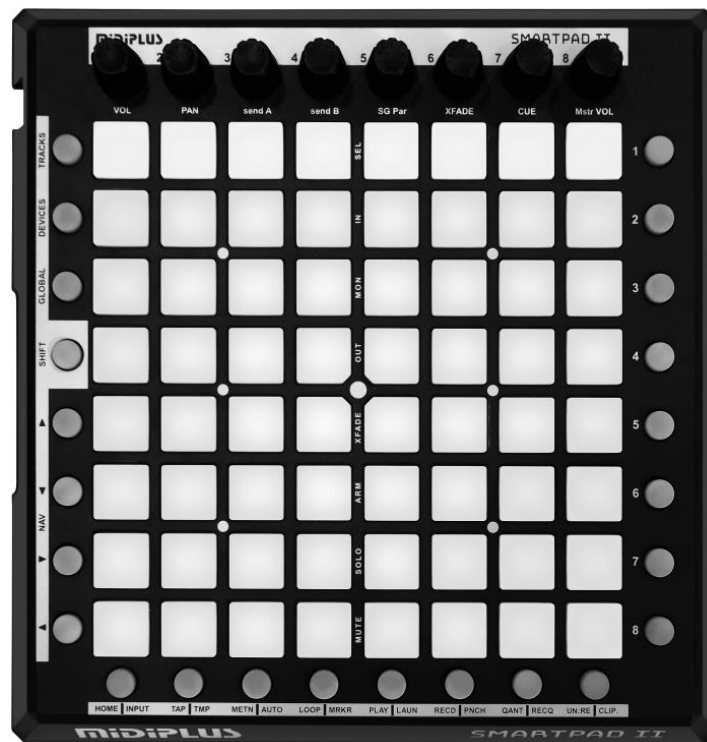


MIDIPLUS

SmartPAD II Owner's Manual



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Preface

Congratulations on your purchase of the MIDIPLUS SmartPAD II primary MIDI controller. It is one of the best in its class, has been extensively researched and is the MIDI controller that users need.

When you combine the MIDIPLUS SmartPAD II with your computer and the right music software, you will be able to discover the wonderful world of computer music, getting a complete set of instruments from your sound card or workstation.

What's in the Box?

The following items should be in your package.

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

SmartPAD II introduction

SmartPAD II is designed for performance with Ableton Live. In this manual, you'll learn how to connect to SmartPAD II using Ableton Live-Professional automatic mapping and use its basic features, making it easy to use Ableton Live software with gestures.

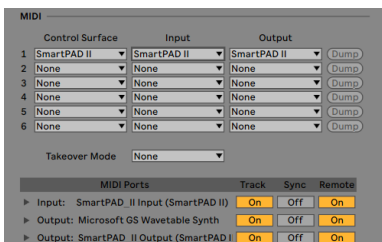
Connect the steps

- Install Ableton Live and import SmartPAD II device files to the Live installation directory.
- Connect SmartPAD II to your computer with a standard USB cable (included) .
- Open Ableton Live software.

Note: For details about how to import "SmartPAD II" device files, download SmartPAD II Project File.

<https://www.midiplus.com.tw/en/MIDIPLUS-Download/>

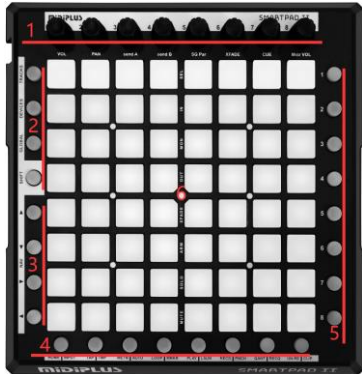
Software Setup



- Open the Ableton Live software (after connecting the device).
- Go to Options ->Preferences(PC) or Live ->Preferences(MAC).
- Select "SmartPAD II" as the device for the "Control Surface" and "Input" and "Output".
- Under "MIDI ports", turn all available "Track" and "Remote" settings "On".

Chapter 1 : Quick Start

1.1. SmartPAD II panel Overview



1. 8 encoder knobs
2. 4 main function buttons
3. 4 navigation buttons
4. 8 controller enable buttons
5. 8 scene start buttons
6. 64 Clip startup buttons

1.1.1. Function and mode of 8 encoder knobs

■ **TRACKS mode**—8 knobs enable the controller to select the track:

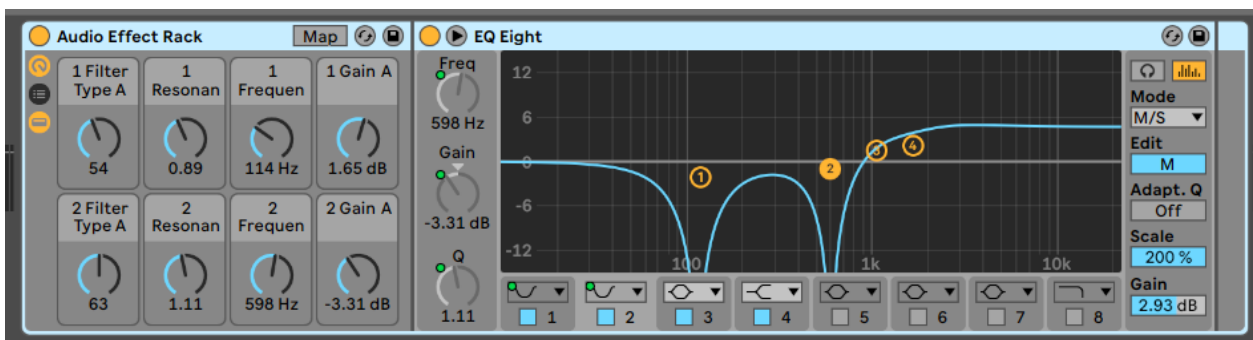
Knob 1(VOL): adjust the volume of the track. **Knob 2(PAN):** adjust the PAN value of the track. **Knob 3(sendA):** Adjust the sendA value of the track. **Knob 4(sendB):** Adjust the sendB value of the track. **Knob 5(SG Par):** Adjust the SG value of the track. **Knob 6(XFADE):** Adjust the XFADE value of the main track. **Knob 7(CUE):** Adjust the Preview Volume value of the main track. **Knob 8(MSTR VOL):** Adjust the Master Volume value of the main track.

■ **GLOBAL mode**— Controller with 8 knobs to enable the main track::

Knob 1: adjust Master Volume value of the main track. **Knob 2:** adjust PAN value of the main track. **Knob 3:** adjust sendA value of the main track; **Knob 4:** adjust sendB value of main track; **Knob 5:** Adjust Mix bus of main track. **Knob 6:** Adjust the XFADE value of the main track. **Knob 7:** Adjust the Preview Volume value of the main track. **Knob 8:** Adjust Master Volume value of the main track

■ **DEVICES mode**— 8 knobs enable Audio Effect Rack

Knob 1: adjust 1-filter knob. **Knob 2:** Adjust 1-resonan knob. **Knob 3:** Adjust the 1-frequen knob. **Knob 4:** adjust 1-GAINA knob. **Knob 5:** adjust 2-filter knob. **Knob 6:** Adjust 2-resonan knob. **Knob 7:** Adjust the 2-frequen knob. **Knob 8:** adjust 2-GAINA knob.



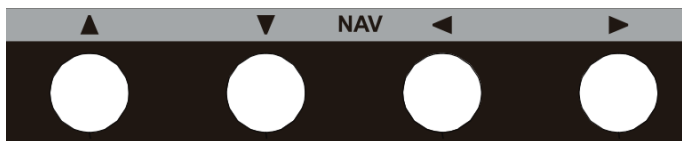
1.1.2. Four main function buttons

- **TRACKS button** —Hold down the “TRACKS” button to enable the track function, eight knobs and 64 Clip buttons automatically associate the current track function.
- **DEVICE button** —Double click the “DEVICES” button to show and hide the Audio Effects box window.
- **GLOBAL button** —Hold down the “GLOBAL” button to enable global track function and adjust global track parameters through the knob.
- **SHIFT button** —Hold down the “SHIFT” button to combine functions, using knobs and buttons to combine functions.



1.1.3. Four navigation buttons

- **▲ Up button** —Up button can make the whole 8x8 grid pad move up function.
- **▼ Down button** — Down button can make the whole 8x8 grid pad move down function.
- **▶ Right button** — Right button allows the whole 8x8 grid pad to move to the right.
- **◀ Left button** — Left button allows the whole 8x8 grid pad to move to the left.



1.1.4. Eight control panel function buttons

- **HOME|INPUT button**— This button is used to switch between the HOME and INPUT interface.
- **TAP|TMP button**— This button enables TAP, SHIFT+ this button enables TEMPO.
- **METN|AUTO button**— This button enables the metronome function, SHIFT+ this button enables the recording automation function.
- **LOOP|MRKR button**— This button is to turn on and off the loop function, SHIFT+ this key is to insert/delete CUE function.
- **PLAY|LAUN button**— This button enables the playback function, SHIFT+ this button is to launch the bar function.
- **RECD|PNCH button**— This button enables the recording function, SHIFT+ this button enables Punch In and Punch Out functions.
- **QANT|RECQ button**— This button enables quarter function, SHIFT+ this button enables RECQ function.
- **UN:RE|CLIP. button**— This button is used to edit undo and redo, and SHIFT+ enables CLIP.



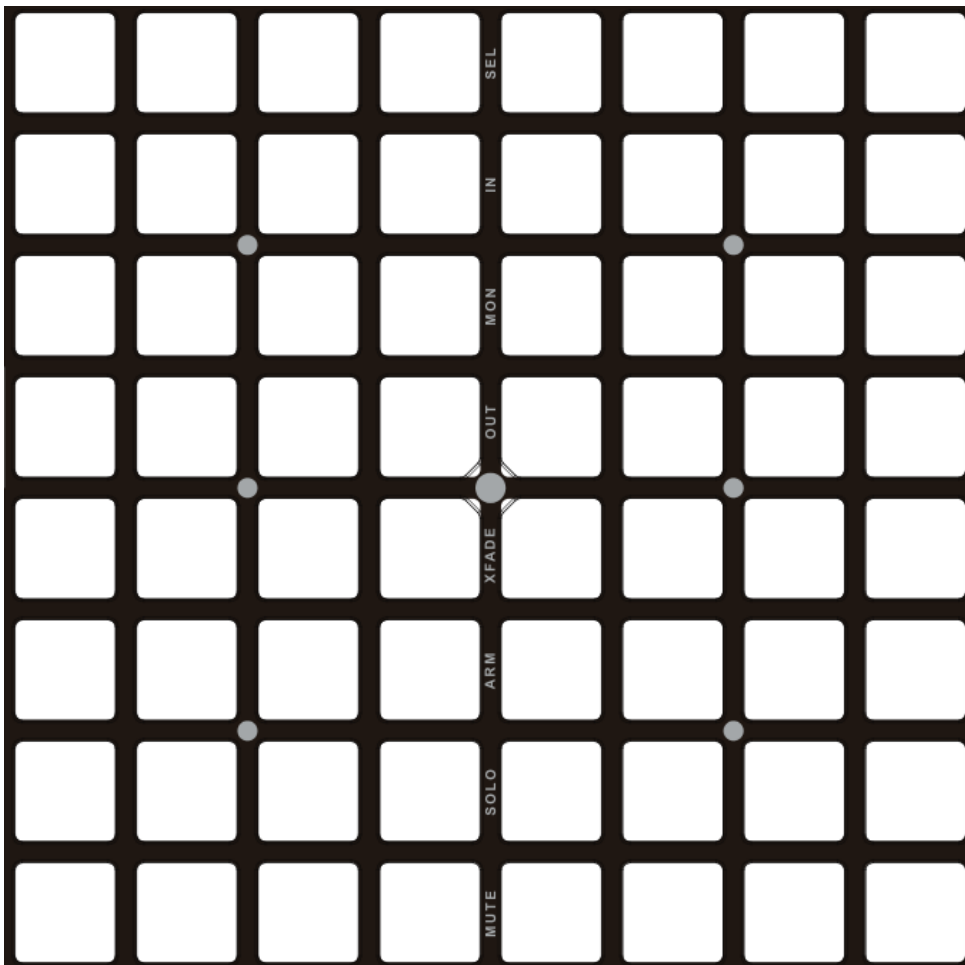
1.1.5. Eight scene start buttons

- **1~8 button**– Eight buttons are Clip that enables eight-line scenes to play.



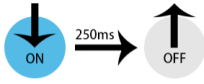
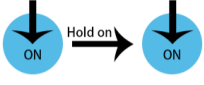

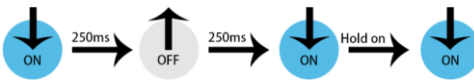
1.1.6. 64 Clip start buttons (8x8)

- **64 Clip button**– 64 Clip buttons enable Ableton LIVE software to play in 8 tracks.






Chapter 2: Detailed Function Description

1.2. Function description of button gesture

| No. | Gesture | Gesture operation steps | Function description of gesture |
|-----|--|---|---|
| 1 | Single Press |  | The function of Single Press is to Press a button and release it quickly. |
| 2 | Single Hold |  | The function of Single Hold is to press a button and Hold it down. |
| 3 | Double Press |  | The function of Double Press is to press a button and release it quickly, then press a button and release again. |
| 4 | Double Hold |  | The function of Double Hold is to press a button and release it quickly, then press a button and Hold it down. |
| 5 | <p>Down state of button: blue is LED light on, arrow down represents down state (ON);</p> <p>Release state of button: gray means the LED light is off, and the arrow upward means release state (OFF);</p> <p>"250ms" represents 250 milliseconds of press time.</p> <p>"Hold on" means to Hold down the button.</p> | | |

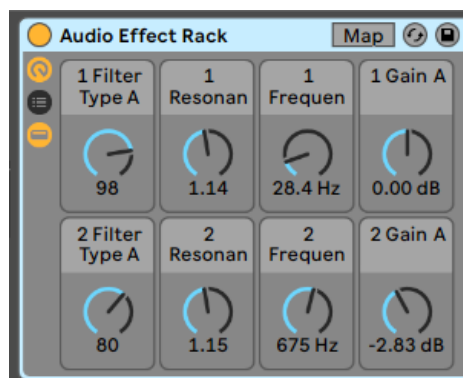
1.2.1. TRACKS, DEVICES, GLOBAL button gesture function description

| No. | Gesture |  Tracks Button |  Devices Button |  Global Button |
|-----|--------------|---|--|---|
| 1 | Single Press | / | / | / |
| 2 | Single Hold | Tracks Quick Mode | Device Quick Mode | Select Master Tracks |
| 3 | Double Press | / | Show/Hide Device mode | / |
| 4 | Double Hold | / | / | / |

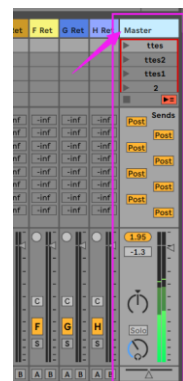
Tracks Quick Mode







Show/Hide Device mode window












Select Master Tracks












1.2.2. Gesture function of Four navigation buttons

| No. | Gesture |  Up Button |  Down Button |  Right Button |  Left Button |
|-----|--------------|---|---|--|---|
| 1 | Single Press | Cursor up +1 | Cursor down +1 | Cursor right +1 | Cursor left +1 |
| 2 | Single Hold | Cursor up move auto | Cursor down move auto | Cursor right move auto | Cursor left move auto |
| 3 | Double Press | Cursor up +8 | Cursor down +8 | Cursor right +8 | Cursor left +8 |
| 4 | Double Hold | Cursor up top | Cursor down bottom | Cursor to the far right | Cursor to the far left |

1.2.3. Gesture function for Eight panel button

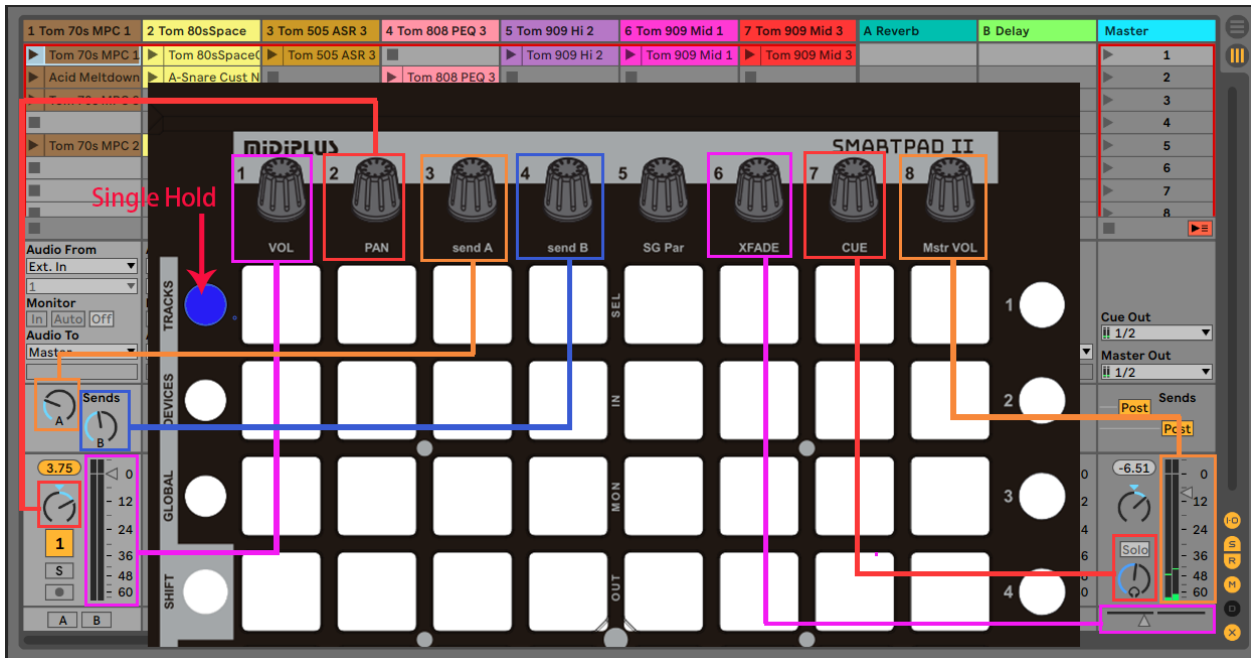
| No. | Gesture |  HOME INPUT Home Input |  TAP TMP Tap Tempo |  METN AUTO metronome auto |  LOOP MRKR Loop MRKR |
|-----|--------------------|--|---|--|--|
| | Display icon | |   |   |  |
| 1 | Single Press | Session/Arrange | Tap On/Off | Metronome On/Off | Loop On/Off |
| 2 | Single Hold | / | / | / | / |
| 3 | Double Press | / | / | / | / |
| 4 | Double Hold | / | / | / | / |
| 5 | Shift+Single Press | / | Tempo +1 | Automation Arm On/Off | INS/DEL Cue Point |
| 6 | Shift+Single Hold | / | Tempo Nudge Up | / | NEXT CUE |
| 7 | Shift+Double Press | / | Tempo -1 | / | PREVIOUS CUE |
| 8 | Shift+Double Hold | / | Tempo Nudge Down | / | PREVIOUS CUE |

| No. | Gesture |  PLAY LAUN Play LAUN |  RECD PNCH Recd Punch |  QANT RECQ QANT RECQ |  UN:RE CLIP UN:RE CLIP. |
|-----|--------------------|---|---|---|---|
| | Display icon |   |    | | |
| 1 | Single Press | Play On/Off | Recd On/Off | Clip view display | Edit Undo |
| 2 | Single Hold | / | / | / | Edit Undo Auto |
| 3 | Double Press | / | / | / | Edit Redo |
| 4 | Double Hold | / | / | / | Edit Redo Auto |
| 5 | Shift+Single Press | Quantization: 1Bar | Punch-In On/Off | REC.Q ON | Midi CREATE CLIP 1 Bar |
| 6 | Shift+Single Hold | Quantization: Auto add | MIDI Arrangement On/Off | MIDI REC.Q | Midi CREATE CLIP 2 Bar |
| 7 | Shift+Double Press | Quantization: None | Punch-Out On/Off | REC.Q OFF | Midi CREATE CLIP 3 Bar |
| 8 | Shift+Double Hold | Quantization: Auto add | Loop On/Off | MIDI REC.Q | Midi CREATE CLIP 4 Bar |

1.3. Graphic description of functions

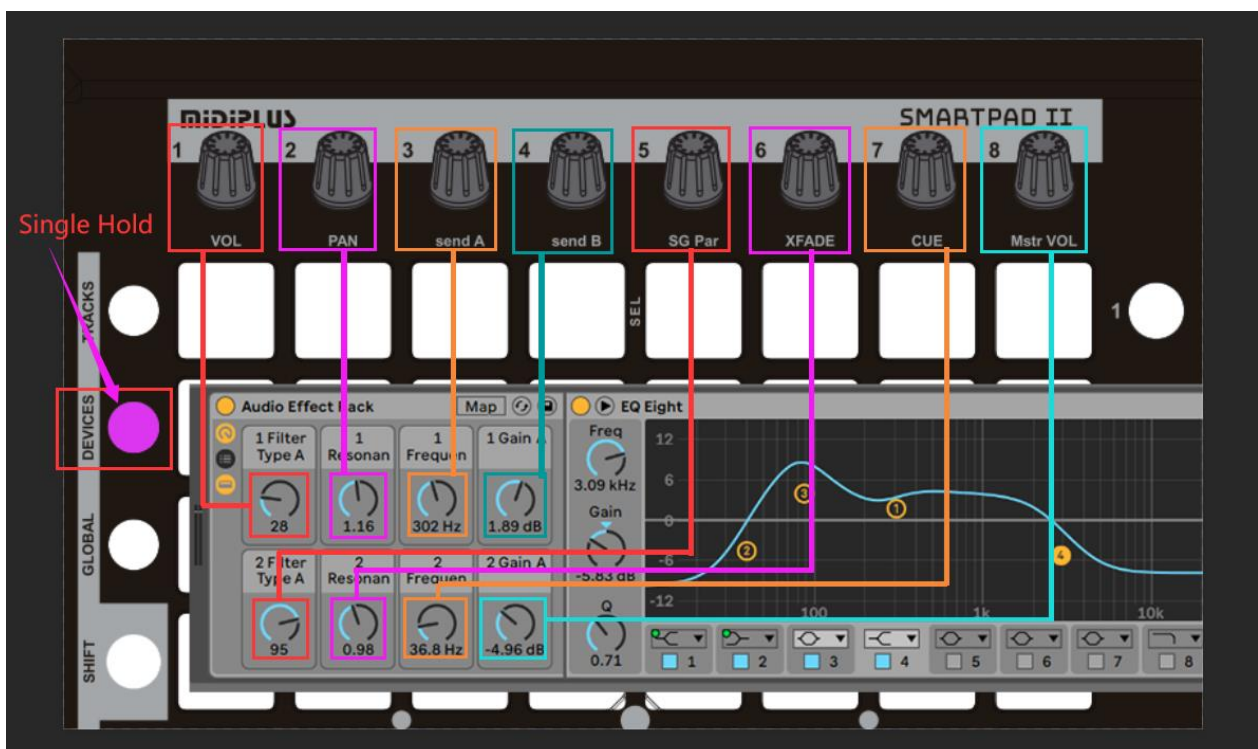
1.3.1. Knob function of Tracks mode

Hold down the "TRACKS" button, and eight knobs control the track's function, as shown below.



1.3.2. Knob function of Devices mode

Hold down the "DEVICES" button, and eight knobs control the Device Title Bar's function, the Audio Effect Rack window knob is shown below.



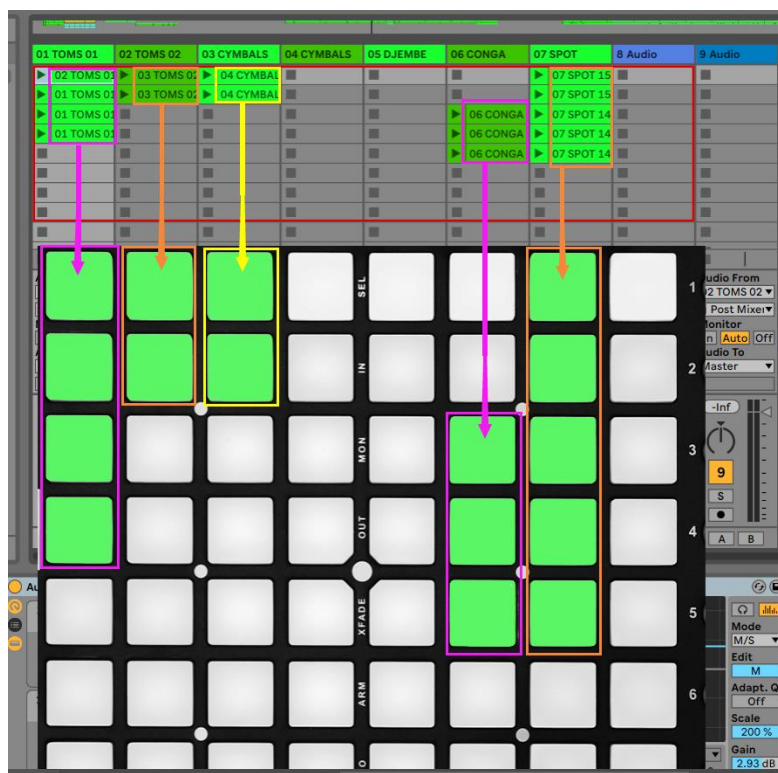
1.3.3. Knob function of Global mode

Hold down the "Global" button, and eight knobs control the master's function, as shown below.



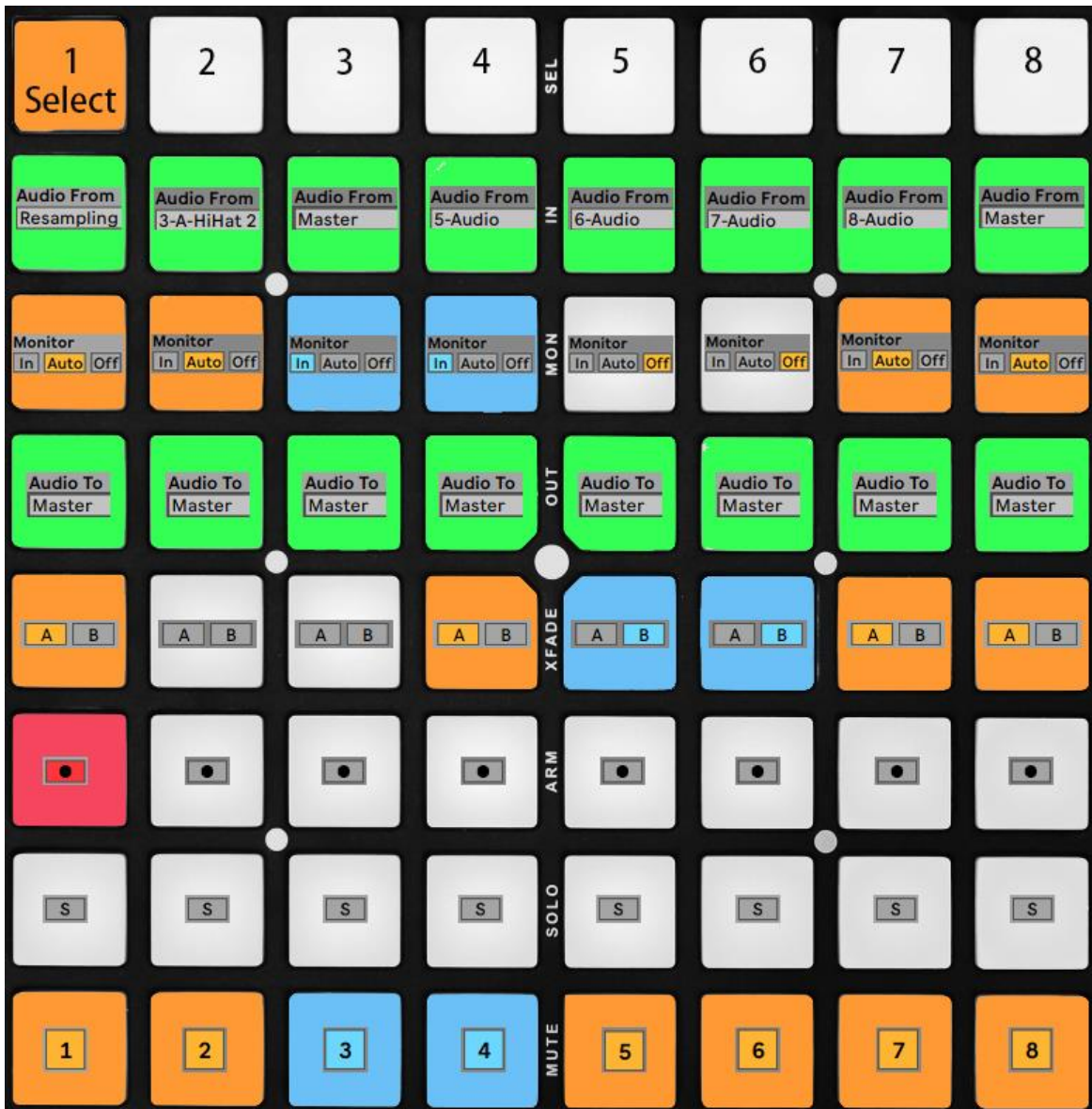
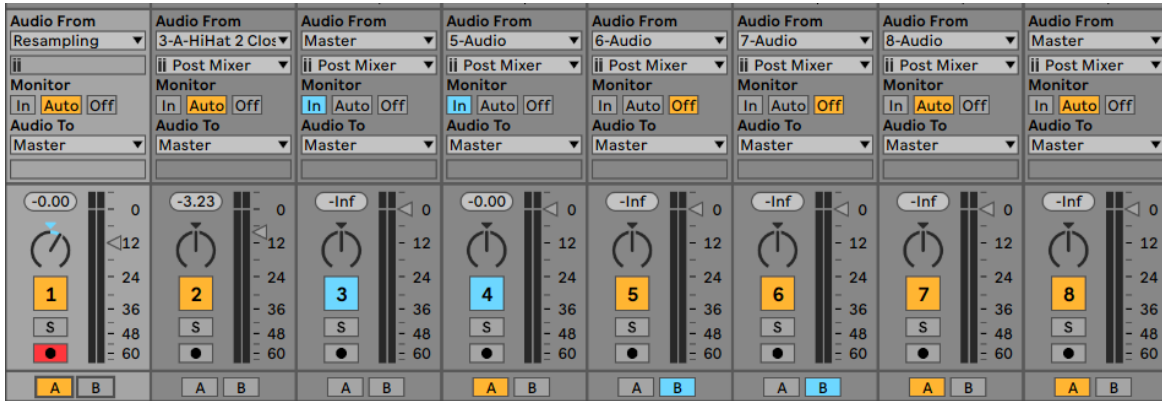
1.3.4. 64 Clip buttons of Session mode

The default mode of the 64 Clip buttons is Session mode. The status of the 64 Clip buttons on the hardware is synchronized with that of the LIVE software. As shown in the following picture, the hardware Clip button and the software interface are in the same state.



1.3.5. 64 Clip buttons of Tracks Setting mode

When you hold down the "TRACKS" button, the 64 Clip buttons enter the Tracks setting mode, and the Clip button light will display the new status. You can observe the function description of LIVE software affixed to the Clip button picture below, so that you can find the button position of the corresponding function.



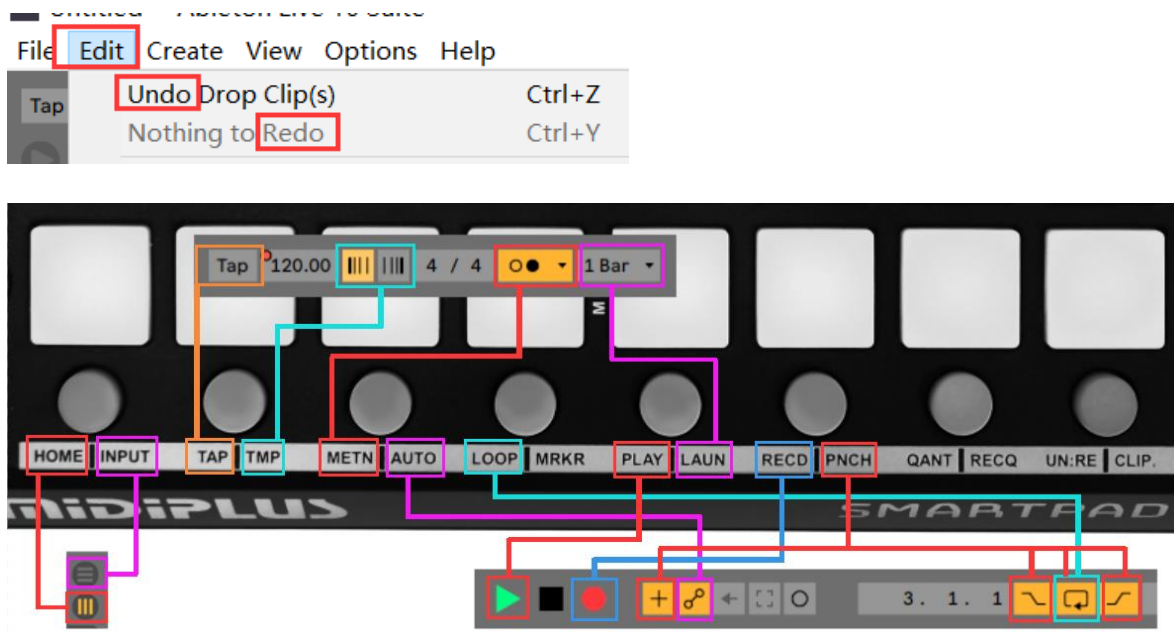
1.3.6. Function diagram of the eight controller enable buttons

Eight controller enable buttons correspond to the picture of the Live software panel function, for a gesture diagram of how to use these keys, see page 6 (1.2.3)

MRKR button: In the INPUT interface, the MRKR key moves the cursor position.

QANT button: In tracks mode, the QANT button enables the Clip View window to be displayed.

UN:RE button: This is the Undo and Redo shortcut in the Edit menu.



1.3.7. MIDI command control LED color

MIDI command control LED color, format:

MIDI ON : 0x90 0x00 0xXX (XX: 0x48~0x6F)(Hex).

MIDI OFF:0x90 0x00 0x00

0xXX Value Query the number corresponding to the color diagram.

| | | | | | | | | |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Low State | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| Solid State | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 |
| Flash State | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| Pulse State | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 |
| High State | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 |

Note: The number in this picture is the third note of decimal value (velocity value).

LED mode description:

Low State: LED mode of low brightness, you will see that the LED brightness is Low.

Solid State: LED mode of solid brightness, This is the normal mode lighting effect.

Flash State: LED mode of flashing effect, You will see the LED flashing continuously.

Pulse State: LED mode of pulse effect, you will see LED Pulse display.

High State: LED mode of high brightness, you will see the LED brightness is higher.

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

Control red LED(Solid State): ON:0x90 0x00 0x50 OFF:0x90 0x00 0x00

Control orange LED(Solid State): ON:0x90 0x00 0x51 OFF:0x90 0x00 0x00

Control yellow LED(Solid State): ON:0x90 0x00 0x52 OFF:0x90 0x00 0x00

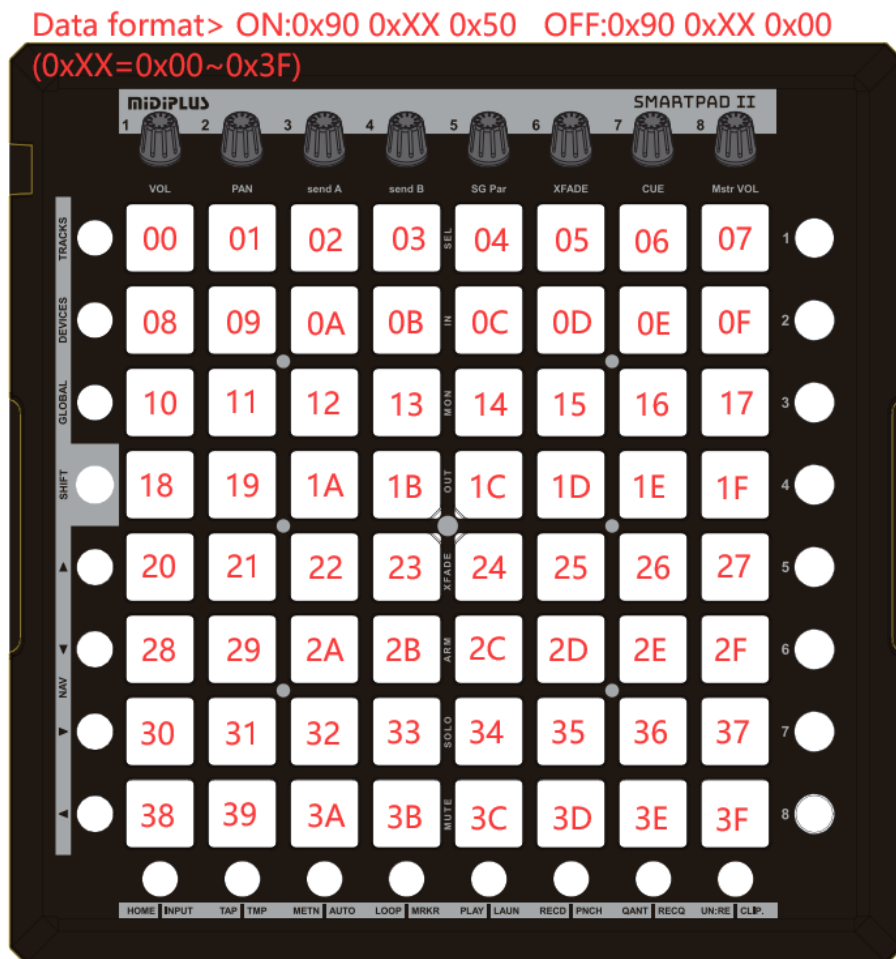
Control green LED(Solid State): ON:0x90 0x00 0x53 OFF:0x90 0x00 0x00

Control blue LED(Solid State): ON:0x90 0x00 0x54 OFF:0x90 0x00 0x00

Control purple LED(Solid State): ON:0x90 0x00 0x55 OFF:0x90 0x00 0x00

Control white LED(Solid State): ON:0x90 0x00 0x57 OFF:0x90 0x00 0x00

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.



1.4. Minimum System Requirement

If you are using your SmartPAD II 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 II only on your desk and in a dry environment. Do not throw the SmartPAD II



Only use a power supply as specified above. If you do not need the SmartPAD II 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 II turned on unless you are present.



The SmartPAD II should only be opened and repaired by qualified technicians. If you open the SmartPAD II 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 II. Don't drop the SmartPAD II, 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 II. The plastic cabinet can burn, and this can cause a fire!

Cleaning the SmartPAD II

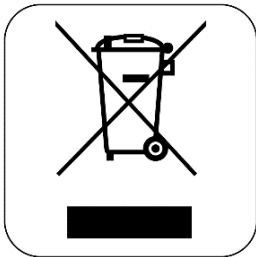
When cleaning the SmartPAD II, never use gasoline, alcohol, or solvent. It may damage the housing. Use only a dry or slightly damp cloth and unplug the power adapter or USB connector.

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 II



The SmartPAD II 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.