

MIDIPLUS

PianoEngine Owner's Manual



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Preface

Thank you for purchasing MIDIPLUS PianoEngine. It provides a variety of functions at the same time, which is a very cost-effective sound module. Its compact design will not take up the space of your bag or workbench. PianoEngine provides 128 GM sounds and built-in functions for adjusting reverb, chorus, and volume...makes your sound richer when creating or playing. PianoEngine also provides 3 preset combinations (A, B, C), making it more convenient for you to use.

If you are a guitar player, you can directly connect your guitar through the input cable, practice songs and improvise the drum mode of PianoEngine, making PianoEngine as the drum master, it has many different modern styles to choose from. PianoEngine is also equipped with a 2500mAh lithium battery, you can continue to play without an external power supply; it can work with all MIDI devices with USB output function. Now, all you need to do is to connect your MIDI device to your PianoEngine, and then you can start your musical journey.

This manual is intended to help you become familiar with the functions of MIDIPLUS PianoEngine. Please read the manual carefully to understand all the features of your PianoEngine. At the end of this manual, you will see a list of 100 realized drums.

What's in the Box?

1. PianoEngine – Sound Module.
2. 2 x 3.5mm TS to MIDI cable .
3. A standard manual.
4. A Micro-USB cable.

Safety warning:

This product contains lithium-ion batteries. To avoid damages to the battery or others, never disassemble the unit by yourself. Never disassemble, squeeze, puncture, or short-circuit the product, and it is strictly prohibited to enter the water, fire source or high temperature environment.

Ch1. Basic functions and interfaces

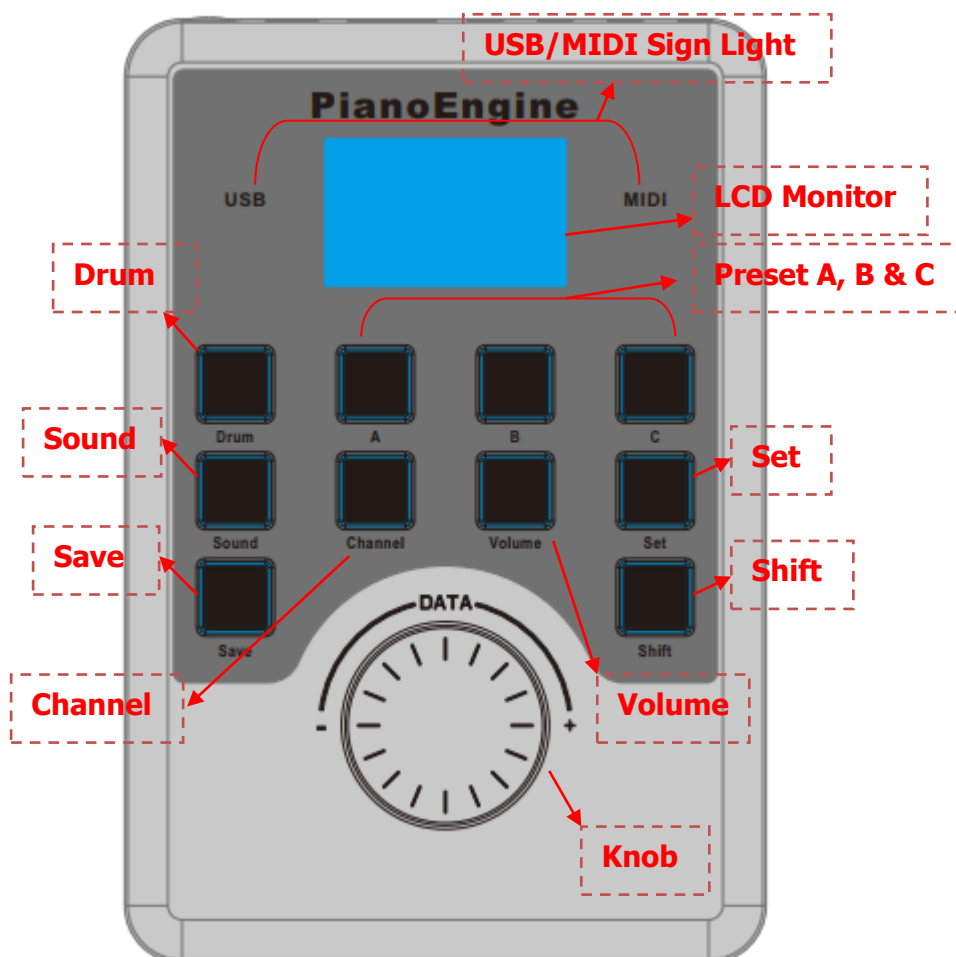
- 128 GM sounds.
- 100 drum sounds.
- LCD display & LED light.
- Large silver knob.
- 3.5mm HI-Z TRS input port.
- Function buttons. (Drum sound, GM sound...)
- 2500mAh battery
- USB HOST port.
- Micro USB port for power.
- 3.5mm MIDI IN/ OUT transfer port.
- 3.5mm TRS headphone output port.

Ch2. Features

- PianoEngine provide 128 standard GM sounds, and support 64 complex tones.
- 24 bit / 48 kHz.
- Support MIDI advices with MIDI IN or USB out.
- With LCD monitor, to display the current functions.
- No matter connect with MIDI or USB, zero latency.
- Unique USB HOST design, you can abandon too many MIDI cables and directly connect to the PianoEngine with a USB cable for MIDI data exchange.
- Support USB HOST and MIDI IN at the same time. One playing piano accompaniment, one playing piano melody, you can form a small band anytime, anywhere.
- Small and exquisite, powerful and easy to operate.
- Functions with GM sounds, drum sounds, channel, pitch, chorus, continuous, panning, modulation volume and reverberation. You can change to any type and effect you want at any time.
- Built-in 2500mAh lithium battery, which can power your MIDI device (USB output current $\leq 500\text{mA}$); as long as your MIDI device supports USB power supply. The theoretical keyboard power can be up to 5 hours. Let your music perform without worrying about supply issues.

- To protect the battery and extend the battery life, please do not use it for a long time in a low battery state. When it is lower than 2%, the power will be automatically turned off.
- The USB HOST port of PianoEngine provides standard USB 5V 500mAh current output, and can also be used as an emergency mobile phone charger to charge your mobile phone.
- You can charge your PianoEngine with Micro-USB to any device with a USB port (computer, power bank, etc.).
- Port: 3.5mm TS Audio input port, 3.5mm TS headphone output port, MIDI IN/OUT port, USB HOST port, Micro-USB charging & power supply port.

Ch3. Panel Description



3.1 Sign Light

When data exchange between devices, the light flashes.

3.2 Screen

LCD screen displays data values such as tone number, drum number, channel value, volume value, preset combination, and remaining power.

3.3 Preset A,B &C

Press these buttons, light up. The parameters (volume, tone, etc.) will change to the preset A, B or C that you set before. And the display will show the current of preset combinations.

3.4 Drum mode

Press [Drum] button, light up and enter to drum mode. Adjust the drum number by rotating the wheel; the display shows the current number, drum speed and drum volume value. Short press the wheel to control play and stop.

3.5 Sound mode

Press [Sound] button, light up and enter the sound mode. Adjust the sound number by rotating the wheel; the display shows the current number, channel value and volume value.

3.6 Channel

In the sound mode, when you press [Channel] button, the button lights up, and the channel is adjusted by rotating the wheel (except 10); the display shows the current channel value. In the sound mode, when the external MIDI keyboard inputs data through USB or MIDI in, the display screen can display the channel value of the current MIDI message.

3.7 Volume

Press [Volume] button, light up, and the volume value is adjusted by rotating the wheel; the display shows the current volume value.

3.8 Set

Press [Set] button, light up, and then press [Shift] button to select reverb/ chorus/ continuous/ translation/ modulation, adjust the value by rotating the wheel; the display shows the current value.

3.9 Save

Press [Save] button, light up, after 2 seconds, the light is off, the current parameter is saved to the current preset combination (A/B/C), and the display shows the save status.

3.10 Shift

Press [Shift] button, light up, release it and light off, select reverb/ chorus/ continuous/ translation/ modulation, and the display will show the current control.

3.11 Reset to factory setting

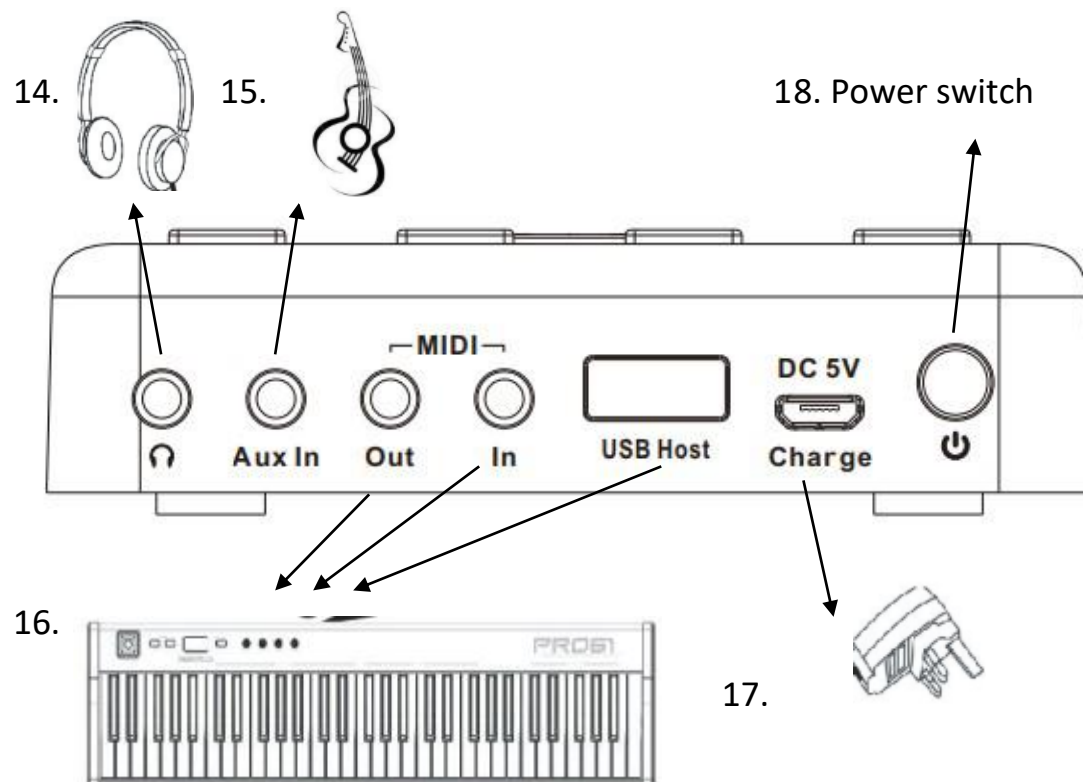
When you want to restore the preset combination to the factory settings, just press and hold the [Set] button before powering on the PianoEngine, and then turn it on again. Until "Restore the factory!" appears on the display screen.

3.12 Reset MIDI

When PianoEngine causes abnormal sound due to the confusion of MIDI controller changes after connecting the MIDI keyboard synthesizer, you can continue to press and hold the [Set] button for 3 seconds until "Reset MIDI" appears on the display screen. At this time, PianoEngine can eliminate the abnormalities caused by the changes of other MIDI controllers.

3.13 Rotating the wheel

- ◆ Adjust parameters.
- ◆ Press the spinning wheel, the drum will play or stop. In the drum mode, the display shows the playing status.



3.14 Headphone port

Connect headphone or other Aux out devices.

3.15 Aux In port

Connect guitar or other audio equipment.

3.16 MIDI IN/MIDI OUT/USB HOST port

Connect MIDI input/output or a MIDI device with USB output function.

3.17 Power supply/charging

Micro-USB port provides power supply and charge.

3.18 Power switch

Press and hold for 3 seconds to turn on or off; in the power-on state, short press the switch, PianoEngine will send data to eliminate all sounds.

Ch4. Instructions

4.1 Sound effect adjustment

The sound effect of PianoEngine can be adjusted by pressing the buttons and rotating the wheel. Press the function button, button light up, and the display shows the current value. Use the rotating wheel to change the effect you want. Save parameters you set and use them easily and quickly.

Note: After power on, it will default to sound mode. (The [Sound] button lights up.)

4.2 The external MIDI device adjusts the sound

External MIDI devices can adjust PianoEngine sound effects. Connect PianoEngine to your MIDI device, the device can adjust the sound effect through MIDI. Please refer to the product manual you are using for the specific operation method.

4.3 Connection of two MIDI devices

The operation method of connecting two MIDI devices to PianoEngine and playing at the same time:

- ◆ Two MIDI devices are connected to PianoEngine via USB and MIDI respectively. (One MIDI device requires additional power supply).
- ◆ The data of the two MIDI devices will be transmitted to two different MIDI channels or the same MIDI channel. (The MIDI device can select one channel).
- ◆ A MIDI device plays a random note, and then modulates the sound and effect you want to use through PianoEngine; in the same way, modulate the sound and effect of another MIDI device, so that you can play two MIDI devices at the same time. (The sound and effect can also be adjusted through its own function of the MIDI device)

Note: When two MIDI devices are connected, the data on the PianoEngine channel value display is the most recent operation. When adjusting sounds and effects, make sure which MIDI device is currently controlled by the PianoEngine.

Ch5. Sound List and Drum List

◆ MIDI Sound List

PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI
1	(Grand) Piano 1	33	Acoustic Bass	65	Soprano Sax	97	FX 1 (rain)
2	(Bright) Piano 2	34	Finger Bass	66	Alto Sax	98	FX 2 (soundtrack)
3	(El. Grd) Piano 3	35	Picked Bass	67	Tenor Sax	99	FX 3 (crystal)
4	Honky-tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX4 (atmosphere)
5	El. Piano 1	37	Slap Bass 1	69	Oboe	101	FX 5 (brightness)
6	El. Piano 2	38	Slap Bass 2	70	English Horn	102	FX 6 (goblins)
7	Harpsichord	39	Synth Bass 1	71	Bassoon	103	FX 7 (echoes)
8	Clavi	40	Synth Bass 2	72	Clarinet	104	FX 8 (sci-fi)
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blown Bottle	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Santur	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Organ	49	String Ensemble 1	81	Lead 1 (square)	113	Tinkle Bell
18	Percussive Organ	50	String Ensemble 2	82	Lead 2 (sawtooth)	114	Agogo
19	Rock Organ	51	Synth Strings 1	83	Lead 3 (calliope)	115	Steel Drums
20	Church Organ	52	Synth Strings 2	84	Lead 4 (chiff)	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead 5 (charang)	117	Taiko Drum
22	Accordion (french)	54	Voice Oohs	86	Lead 6 (voice)	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead 7 (fifths)	119	Synth Drum
24	Tango Accordion	56	Orchestra Hit	88	Lead8 (bass+lead)	120	Reverse Cymbal
25	Ac. Guitar (nylon)	57	Trumpet	89	Pad 1 (fantasia)	121	Gt. Fret Noise
26	Ac. Guitar (steel)	58	Trombone	90	Pad 2 (warm)	122	Breath Noise
27	El. Guitar (jazz)	59	Tuba	91	Pad 3 (polysynth)	123	Seashore
28	El. Guitar (clean)	60	Muted Trumpet	92	Pad 4 (choir)	124	Bird Tweet
29	El. Guitar (muted)	61	French Horn	93	Pad 5 (bowed)	125	Teleph. Ring
30	Overdriven Guitar	62	Brass Section	94	Pad 6 (metallic)	126	Helicopter
31	Distortion Guitar	63	Synth Brass 1	95	Pad 7 (halo)	127	Applause
32	Guitar harmonics	64	Synth Brass 2	96	Pad 8 (sweep)	128	Gunshot

◆ **Drum List**

1	Ballad 01	26	Funk 01
2	Ballad 02	27	Funk 02
3	Ballad 03	28	Funk 03
4	Ballad 04	29	Groove 01
5	Ballad 05	30	Groove 02
6	Ballad 06	31	Groove 03
7	Bossa 01	32	Groove 04
8	Bossa 02	33	Groove 05
9	Bossa 03	34	Groove 06
10	Bossa 04	35	Groove 07
11	Bossa 05	36	Groove 08
12	ChaCha	37	Jazz 01
13	Country 01	38	Jazz 02
14	Country 02	39	Jazz 03
15	Country 03	40	Latin 01
16	Country 04	41	Latin 02
17	Country 05	42	Latin 03
18	Dance 01	43	Latin 04
19	Dance 02	44	Latin 05
20	Disco 01	45	Latin 06
21	Disco 02	46	Latin 07
22	Disco 03	47	Latin 08
23	Disco 04	48	Latin 09
24	Disco 05	49	Pop 01
25	Disco 06	50	Pop 02

51	Pop 03	76	Rock 13
52	Pop 04	77	Samba 01
53	Pop 05	78	Samba 02
54	Pop 06	79	Samba 03
55	Pop 07	80	Samba 04
56	Pop 08	81	Samba 05
57	Pop 09	82	Samba 06
58	Pop 10	83	Soul 01
59	Pop 11	84	Soul 02
60	Pop 12	85	Soul 03
61	Reggae 01	86	Soul 04
62	Reggae 02	87	Soul 05
63	Reggae 03	88	Soul 06
64	Rock 01	89	Soul 07
65	Rock 02	90	Soul 08
66	Rock 03	91	Swing 01
67	Rock 04	92	Swing 02
68	Rock 05	93	Swing 03
69	Rock 06	94	Swing 04
70	Rock 07	95	Swing 05
71	Rock 08	96	Swing 06
72	Rock 09	97	Swing 07
73	Rock 10	98	Swing 08
74	Rock 11	99	Waltz 01
75	Rock 12	100	Waltz 02