MIDIPLUS
miniEngine USB
Owner's manual

Thanks for purchasing **MIDIPLUS** miniEngine USB. Its compact design won't take up any space in your working desk or bag, you can bring it easily, simply put in your pocket. miniEngine USB provides 128 GM sounds and built in modulate reverb、chorus for you to make sound richer while you composing or playing. miniEngine USB also comes with a 2500mAh lithium battery which allowing you to continue playing in the absence of external power supply situation; It can be worked with all MIDI devices with USB output function. Now, all you need to do is connecting your MIDI equipment and miniEngine USB then you can start your musical journey.

What's in the Box

Your miniEngine USB package contains as the following, you can contact with your dealer if anything missed:

- miniEngine USB x1
- 3.5mm TS to MIDI cable x1
- Owner's manual x1
- Micro-USB cable x1

Safety warning:

This product contains a lithium ion battery, it is strictly prohibited to open the shell, To avoid possible damage to batteries cells or other damages.
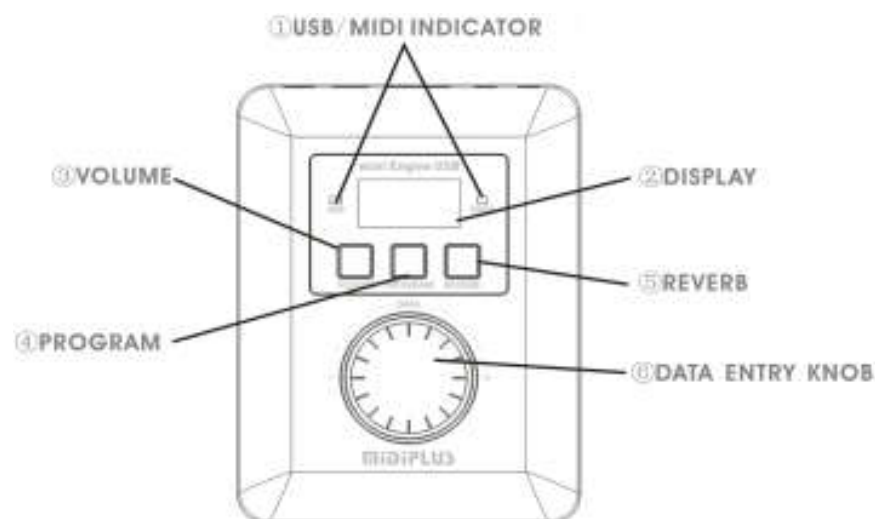**It is strictly prohibited to dismantle, extrusion, puncture, short circuit the product or drop it into the water, fire or exposed to high temperature environment.**
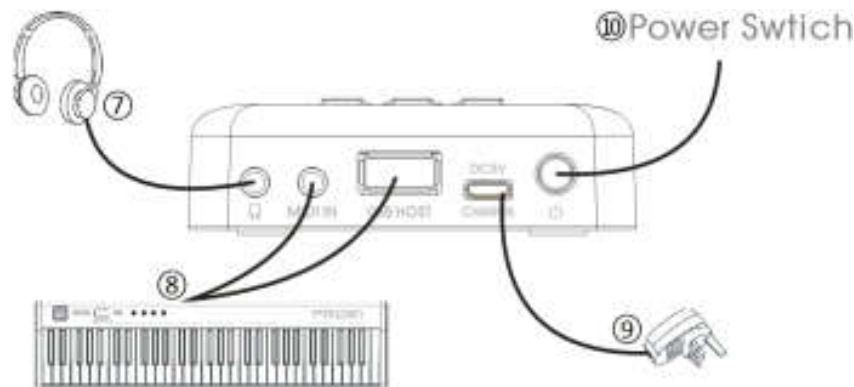
New features

- miniEngine USB provides 128 standard GM tones, up to 64 polyphony output.
- 16bit sampling accuracy of the data, 48KHz sampling frequency, 24dB sound digital filtering
- Supports all MIDI devices MIDI OUT or USB output.
- With digital display, ready to display the value of the current Program, Volume and Reverb.
- Either MIDI or USB connection, can be manifested no delay.

- miniEngine USB has a USB HOST unique design, you can discard tedious MIDI cable to connect directly using a USB cable to miniEngine USB connection with your MIDI devices, MIDI data transfer is complete.
- Support USB HOST MIDI IN and simultaneously, a bomb piano accom- paniment, a piano playing the melody, wherever can form a small band.
- miniEngine USB is not only small and exquisite, powerful, and easy to operate. Support miniEngine USB and MIDI devices simultaneously.
- With the Program, Volume and Reverb adjustment function, easy operation, ready to program the tone, volume and reverb effects as you want.
- Built-in 2500mAh rechargeable lithium battery that can power your MIDI device (USB output current ≤ 500mA); it will be able to use our sound sources as long as your USB-powered accepts MIDI device, MIDIPLUS keyboard theoretical power supply can stay up to 5 hours. The music really makes you carry out no longer have to worry about supply problems.
- In order to better protect the battery and prolong battery life, miniEngine USB will indicate when the battery is less than 15% into the "low battery indicator status", the screen and LED will flash once every 5 seconds. When the battery is below 10%, the screen and LED will blink quickly. The power will automatically shut down when less than 5%.
- miniEngine USB device's USB port (USB HOST) provides a standard USB 5V 500mA current output, your mobile phone can act as emergency mobile charger.
- Power supply: Everywhere Micro-USB charging / power supply (mostly the USB interface on the phone, such as Samsung), you can charge for our audio / power with your phone charger,supply; If you are using the iPhone do not worry, the annex with Micro-USB interface cable, as long as this cable into your iPhone's charging head, you can charge / power supply; You can also connect to any USB port (PC using the Micro-USB interface cable, MAC, mobile power supply, etc.) on miniEngine USB charging.
- Interface: 3.5mm TS audio output interface, MIDI input interface, USB HOST Interface (USB peripherals), Micro-USB charging / power connector.

Control and Interface

① Indicator: Communication between devices circumstances indicate that when there is data transmission indicator flashes.

② Display: Display program number, volume value, reverb and other data values and the remaining charge.

③ Switch to the volume control: When you press this button, the button lights up, adjust the volume through the large knob; display shows the current volume value.

④ Switch to the timbre adjustment: When you press this button, the button lights up, through the large knob to adjust the tone; display shows the current Voice number.

⑤ Switch to the reverb adjustment: When you press this button, the button lights up, adjust the size of the reverb through the large knob; display shows the current value of the reverb.

⑥ Knob: Used to adjust the Program, Volume and Reverb value.

⑦ Headphone/output interface: Connect to headphones or other output device.

⑧ MIDI IN/USB IN connector: Connect MIDI OUT or MIDI devices with USB output interface functions. Note: Use the MIDI IN connector to connect the device, you need an external power supply keyboard.

⑨ Power/Charging Interface: Micro-USB interface that provides power and charging.

⑩ Power switch: Equipment switch, press 5 seconds on or off; in the boot state, click to open the key, the display will show the remaining power value, three seconds after the absence of any operation, it will automatically switch back to the previous interface.

Operating Instructions

miniEngine USB sound effects can be adjusted through above silicone button and knob.

1. Press the function you want to adjust, button lights up, the display shows the current value of the function.

2. Turn the knob to adjust the effect you want.

Note:

The default boot PROGRAM function, that is, tone adjustment function, PROGRAM button lights up.

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MIDI device can be adjusted miniEngine USB sound effects.

The miniEngine USB connection with your MIDI device, the device can be adjusted via MIDI sound effects, specific operational procedures, please refer to the manual of the product you are using. When your device is adjusted to the Program, Volume and Reverb function, value and function keys light display miniEngine USB is also displayed on the corresponding changes.

Operation Method of two MIDI devices connected to mimiEngine USB simultaneously for playing

1. The two MIDI devices are connected to the miniEngine USB cable with USB and MIDI. (MIDI device MIDI cable to connect the need for additional power supply)

2. MIDI device will be transferred to two different channels (MIDI CHANNEL) on. (MIDI device itself only through selected channels)   Pressing a random keys of a device, and then adjust the color tone and effect through   miniEngine USB; adjusting the tone and effect of another MIDI device in the same way,

   This will enables you to play two MIDI plays in the same time.

   This (The tone and effects can be adjusted by the function of the MIDI device itself)

NOTE:

When connecting two MIDI devices, data on miniEngine USB data display is your last operation. When adjusting the tone and effect, make sure the current miniEngine USB control which MIDI devices.

Date reset:

Press the program, Volume and Reverb button at the same time to reset the date; Factory default for all date except program, volume and reverb.

* **If anything update, please received in kind prevail, latest information and please pay attention to the official website.**

General MIDI Sounds list

0	Acoustic Grand Piano	43	Contrabass	86	Lead 7(fifths)
1	Bright Piano	44	Tremolo Strings	87	Lead 8(Bass+Lead)
2	Electric Grand Piano	45	Pizzicato Strings	88	Pad 1(new age)
3	Honky-Tonk Piano	46	Orchestral Harp	89	Pad 2(warm)
4	Electric Piano 1	47	Timpani	90	Pad 3(polysynth)
5	Electric Piano 2	48	String Ensemble 1	91	Pad 4(choir)
6	Harpsichord	49	String Ensemble 2	92	Pad 5(bowed)
7	Clavi	50	Synth Strings 1	93	Pad 6(metallic)
8	Celesta	51	Synth Strings 2	94	Pad 7(halo)
9	Glockenspiel	52	Choir Aahs	95	Pad 8(sweep)
10	Music Box	53	Voice Oohs	96	Fx 1(rain)
11	Vibraphone	54	Synth Voice	97	Fx 2(sound track)
12	Marimba	55	Orchestra Hit	98	Fx 3(crystal)
13	Xylophone	56	Trumpet	99	Fx 4(atmosphere)
14	Tubular Bells	57	Trombone	100	Fx 5(brightness)
15	Dulcimer	58	Tuba	101	Fx 6(goblins)
16	Drawbar Organ	59	Muted Trumpet	102	Fx 7(echoes)
17	Percussive Organ	60	French Horn	103	Fx 8(sci-fi)

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18	Rock Organ	61	Brass Section	104	Sitar
19	Church Organ	62	Synth Brass 1	105	Banjo
20	Reed Organ	63	Synth Brass 2	106	Shamisen
21	Accordion	64	Soprano Sax	107	Koto
22	Harmonica	65	Alto Sax	108	Kalimba
23	Tango Accordion	66	Tenor Sax	109	Bag Pipe
24	Acoustic Guitar(Nylon)	67	Baritone Sax	110	Fiddle
25	Acoustic Guitar(Steel)	68	Oboe	111	Shanai
26	Electric Guitar(Jazz)	69	English Horn	112	Tinkle Bell
27	Electric Guitar(Clean)	70	Bassoon	113	Agogo
28	Electric Guitar(Muted)	71	Clarinet	114	Steel Drums
29	Overdriven Guitar	72	Piccolo	115	Woodblock
30	Distortion Guitar	73	Flute	116	Taiko Drum
31	Guitar Harmonics	74	Recorder	117	Melodic Tom
32	Acoustic Bass	75	Pan Flute	118	Synth Drum
33	Electric Bass(Finger)	76	Blown Whistle	119	Reverse Cymbal
34	Electric Bass(Pick)	77	Shakuhachi	120	Guitar Fret Noise
35	Fretless Bass	78	Whistle	121	Breath Noise
36	Slap Bass 1	79	Ocarina	122	Seashore
37	Slap Bass 2	80	Lead 1(Square)	123	Bird Tweet
38	Synth Bass 1	81	Lead 2(Sawtooth)	124	Telephone Ring
39	Synth Bass 2	82	Lead 3(Calliope)	125	Helicopter
40	Violin	83	Lead 4(Chiff)	126	Applause
41	Viola	84	Lead 5(Charang)	127	Gunshot
42	Cello	85	Lead 6(Voice)		

Specifications

PRODUCT SPECIFICATIONS	
MODEL NAME	miniEngine USB
MODULE	Built-in Sound
MAXIMUM POLYPHONY	64 notes
INSTRUMENTS	128GM List Sound
JACK	Headphone (LINE) OUT、MIDI IN、USB host、Micro-USB
Power source	Micro-USB (≥500mA)
BATTERY CAPACITY	2500mAh
DISPLAY	3 Digital LED
ATTACHMENT	Owner's manual、3.5mmTS to MIDI cable、Micro-USB cable
INPUT / OUTPUT	
HEADPHONE (LINE) OUT	3.5mm stereo headphone jack
MIDI IN	MIDI input jack
USB HOST	USB output jack (to MIDI equipment)
Micro-USB	Charging / Power jack

www.midiplus.com

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