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.
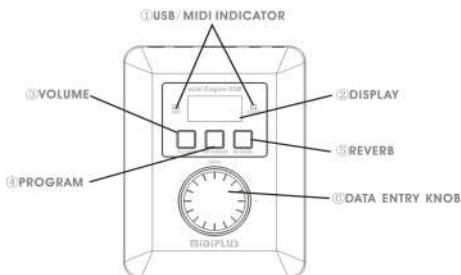
It is strictly prohibited to dismantle, extrusion, puncture, short circuit the product or drop it into the water, fire or exposed to high temperature environment.
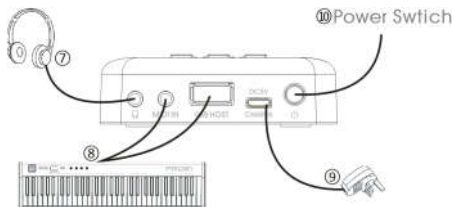
New features

- 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.

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)

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

MIDIPLUS

miniEngine USB

用户手册

感谢您购买了 **MIDIPLUS** 的 **miniEngine USB**。它几乎不占您任何工作空间,您可以轻松拿在手上,也可以随放进口袋里,它能为您提供128种 GM 标准音色和效果器等功能。只需通过 MIDI 您便可以轻松调制出混响与合唱的效果,以及丰富的音色。**miniEngine USB** 自带一个2500mAh 的锂电池,能让您在没有外部供电的情况下也能继续演奏;它支持所有拥有 MIDI OUT 或者 USB 输出功能的 MIDI 设备,只将将 MIDI 设备的 MIDI OUT 或者 USB 接口连接到您的 **miniEngine USB** 上,便可开始您的音乐之旅。

包装附件

如果在您的包装盒中少了下列的附件,请与您购买的经销商联系。

- **miniEngine USB** 一台。
- 3.5mm TS 接口转 MIDI 转接线一条。
- 用户手册一份。
- Micro-USB 充电/供电线一条。
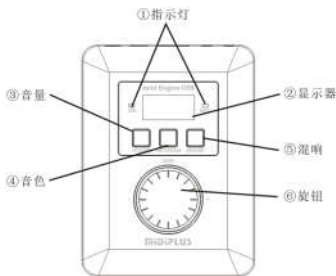
⚠️

安全警告:本产品中含有锂离子电池,严禁私自拆开产品外壳,避免可能造成的电芯破损或其他破坏。

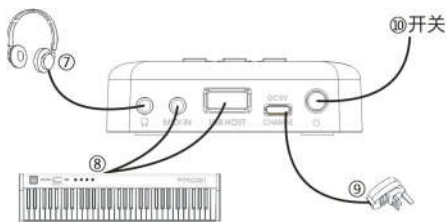**严禁任意拆解、挤压、穿刺、短路本产品或投入水中、火中或暴露在高温环境中。**

产品新特性

- **miniEngine USB** 能为你提供128种标准 GM 音色,最大支持64复音输出。
- 16bit 的数据采样精度,48KHz 的采样频率,24dB 声音数字滤波。
- 支持所有 MIDI OUT 或 USB 输出的 MIDI 设备。
- 带数码管显示器,随时显示当前 Program、Volume 和 Reverb 的数值。
- 无论是 MIDI 还是 USB 连接,均可实现零延时。
- **miniEngine USB** 具有独特的 USB HOST 设计,可抛弃繁琐的 MIDI 线连接,直接使用 USB 线把 **miniEngineUSB** 跟你的 MIDI 设备连接,完成 MIDI 数据的传送。
- 支持 MIDI IN 和 USB HOST 同时使用,一台琴弹伴奏,一台琴弹旋律,走到哪里都可以组成小型乐队。

- **miniEngine USB** 不仅小巧玲珑、功能强大，而且操作十分方便。支持 **miniEngine USB** 与 MIDI 设备同时操作。
- 带有 Program、Volume 和 Reverb 调节功能，轻松的操作，随时调出你想要的音色、音量和混响效果。
- 内置2500mAh 可充锂电池，可以给您的 MIDI 设备供电（USB 输出电流≤500mA）；只要您的 MIDI 设备接受 USB 供电，那就能使用我们的音源，**MIDIPLUS** 的键盘理论供电时间长达5小时。真正的让你把音乐随身携带，外出再也不用担心供电问题。
- 为了更好的保护电池、延长电池寿命，**miniEngine USB** 会在指示电量低于15%时进入"低电量 提示状态"，此时屏幕和按键灯将会每5秒闪烁一次；当电量低于10%时，屏幕和按键灯会快速闪烁；当电量低于5%时，将自动关机。
- **miniEngine USB** 的 USB 设备口(USB HOST)提供了标准的 USB 5V 500mA 电流输出，可充当您的移动电话的应急移动充电器。
- 供电方式：随处可见的 Micro-USB 充电/供电方式（大多手机上的 USB 接口，如三星），随手拿起您的手机充电器就可以给我们的音源充电/供电；如果您用 iPhone 的也不用担心，附件里配备 Micro-USB 接口线，只要把这线插到您的 iPhone 的充电头上，即可充电/供电；您还可以用 Micro-USB 接口线连接到任何的 USB 口（PC,MAC,移动电源等）对 miniEngine USB 进行充电。
- 接口：3.5mmTS 音频输出接口，MIDI 输入接口，USB HOST 接口（USB 外设），Micro-USB 充电/供电接口。

控制和接口

① 指示灯：指示设备间的通信情况，当有数据传输时，指示灯会闪烁。
② 显示器：显示音色序号、音量值、混响值和剩余电量等数据。
③ 切换到音量调节：按下此键时，按键灯亮起，通过大旋钮调节音量的大小；显示器显示当前音量数值。
④ 切换到音色调节：按下此键时，按键灯亮起，通过大旋钮调节音色；显示器显示当前音色序号。
⑤ 切换到混响调节：按下此键时，按键灯亮起，通过大旋钮调节混响的大小；显示器显示当前混响数值。
⑥ 旋钮：用于调节 Program、Volume 和 Reverb 的数值。

⑦ 耳机/输出接口：连接到耳机或其他输出设备。

⑧ MIDI IN/USB IN 接口：连接带有 MIDI OUT 或 USB 输出接口功能的 MIDI 设备。

　　注：使用 MIDI IN 接口连接设备时，您的键盘需要外接电源。

⑨ 供电/充电接口：Micro-USB 接口，提供供电和充电功能。

⑩ 开关：设备开关，长按5秒开机或关机；在开机状态下，按一下开关键，显示器将显示剩余电量数值，3秒后若无任何操作，将自动切换回上次操作界面。

操作说明

miniEngine USB 可通过其上面的硅胶按键及旋钮来调节声音效果。

1. 按下您需要调节的功能，按键灯亮起，显示器显示当前该功能数值。

2. 旋转旋钮调节，调节出您想要的效果。

注：开机默认 PROGRAM 功能，即音色调节功能，PROGRAM 键亮起。

MIDI 设备可调节 miniEngine USB 的声音效果。

将 miniEngine USB 跟您的 MIDI 设备连接，通过 MIDI 设备可以调节声音效果，具体操作流程请查看您所使用产品的说明书。当您的设备在调节到 Program、Volume 和 Reverb 功能时，**miniEngine USB** 上的功能按键灯以及显示器所显示的数值也相对应发生变化。

两台 MIDI 设备同时连接 miniEngine USB 演奏的操作方法。

1. 将两台 MIDI 设备分别用 USB 和 MIDI 线连接到 **miniEngine USB** 上。（MIDI 线连接的 MIDI 设备需要另外供电）

2. 将两台 MIDI 设备调到不同的通道（MIDI CHANNEL）上。（只能通过 MIDI 设备自身选通道）

3. 按下一个设备的随意琴键，再通过 **miniEngine USB** 调节出您想用的音色和效果；同样方法，调出另一个 MIDI 设备的音色与效果，这样就能实现两个 MIDI 设备同时演奏。（音色和效果可以通过 MIDI 设备自身的功能来进行调节）

注：连接两台 MIDI 设备时，**miniEngine USB** 显示器上显示的数据是您最近一次操作的数据。调节音色和效果时，请先确认当前 **miniEngine USB** 控制的是哪个 MIDI 设备。

数据复位：同时按下 Program、Volume 和 Reverb 键，进行数据复位；把 Program、Volume 和 Reverb 以外的所有数据恢复到出厂设置。

*　如果功能变动，请以收到的实物为准，并请留意官方网站所发布的最新资料。

附表1：音色表

0	平台钢琴	43	低音提琴	86	五度和声
1	亮音钢琴	44	颤音弦乐器	87	低音和主旋律
2	平台电钢琴	45	弹拨弦乐	88	新时代声
3	走音钢琴	46	竖琴	89	热情声
4	电钢琴1	47	定音弦乐器声	90	多种合成音
5	电钢琴2	48	弦乐合奏1	91	唱诗班声
6	大键琴	49	弦乐合奏2	92	低音琴弓声
7	古钢琴	50	合成弦奏1	93	金属声
8	钢片琴	51	合成弦奏2	94	气氛包围声
9	钟琴	52	合唱"啊"音	95	风吹声
10	音乐盒	53	合唱"哦"音	96	雨声
11	抖音琴	54	合成音	97	电音配乐
12	立奏木琴	55	打击交响乐	98	清澈的水晶声
13	柔音木琴	56	小号声	99	自然气氛声
14	管钟	57	长号声	100	晴朗天气声
15	扬琴	58	大号声	101	坏天气声
16	拉杆风琴	59	弱音喇叭	102	空谷回声
17	敲击风琴	60	法国号	103	科学幻想声
18	摇滚风琴	61	钟管合奏合奏声	104	西塔尔琴声
19	教堂风琴	62	合成钟管1	105	班卓琴声
20	簧片风琴	63	合成钟管2	106	撒米森琴声
21	手风琴	64	高音萨克斯声	107	日本十三弦琴音
22	口琴	65	高中音萨克斯声	108	克林巴琴声
23	探戈手风琴	66	特内萨克斯声	109	苏格兰风笛
24	古典吉他	67	中音萨克斯声	110	提琴类乐器声
25	民谣吉他	68	双簧管	111	唢呐
26	爵士电吉他	69	英国小号声	112	叮当铃声
27	原音电吉他	70	巴松管声	113	阿戈戈鼓声
28	弱音电吉他	71	单簧管声	114	钢板鼓声
29	破音电吉他	72	短笛	115	木板鼓声
30	噪音电吉他	73	长笛	116	秦可鼓声
31	泛音电吉他	74	直笛	117	旋律鼓声
32	原音贝斯	75	排笛	118	合成鼓声
33	手弹电贝斯	76	吹瓶笛	119	铙钹声
34	弹片电贝斯	77	尺八竹笛声	120	摩擦噪声
35	无格贝斯	78	汽笛声	121	呼吸声
36	甩指贝斯1	79	陶笛声	122	海浪声
37	甩指贝斯2	80	长方形卧式钢声	123	鸟叫声
38	合成贝斯1	81	拉锯声	124	电话声
39	合成贝斯2	82	汽笛风琴声	125	直升飞机声
40	小提琴	83	棕榴莺声	126	鼓掌声
41	中提琴	84	卡那声	127	射击声
42	大提琴	85	说话声		

附表2：规格表

产品规格	
产品名称	**miniEngine USB**
音源	内置音源模块
复音	最大支持 64 复音
音色	支持 128 种 GM 标准音色
插孔	HEADPHONE（LINE）OUT、MIDI IN、USB HOST、Micro-USB
电源适配线	Micro-USB（≥500mA）
电池容量	2500mAh
显示屏	3 位数码管
附件	用户手册、MIDI 转接线、Micro-USB 充电线
输入输出	
HEADPHONE（LINE）OUT	标准 3.5mm 立体声耳机接口
MIDI IN	MIDI 信息输入接口
USB HOST	USB 外设接口（接 MIDI 设备）
Micro-USB	充电/供电接口