

# MIDIPLUS

## miniEngineUSB

### 用戶手冊

感謝您購買了 MIDIPLUS 的 miniEngine USB。它幾乎不佔您任何工作空間，您可以輕鬆拿在手上，也可以隨放進口袋裡，它能夠為您提供128種 GM 標準音色和效果器等功能。只需通過 MIDI 您便可以輕鬆調製出混響與合唱的效果，以及豐富的音色。 miniEngine USB 自帶一個 2500mAh 的鋰電池，能讓您在沒有外部供電的情況下也能繼續演奏；它支持所有擁有 MIDI OUT 或者USB 輸出功能的MIDI 設備，只需將 MIDI 設備的 MIDI OUT 或者 USB 接口連接到您的 miniEngine USB 上，便可開始您的音樂之旅。

#### 包裝附件

如果在您的包裝盒中少了下列的附件，請與您購買的經銷商聯繫。

- miniEngine USB 一台。
- 3.5mmTS 接口轉MIDI 轉接線一條。
- 用戶手冊一份。
- Micro-USB 充電/供電線一條。



**安全警告：本產品中含有鋰離子電池，嚴禁私自拆開產品外殼，避免可能造成的電芯破損或其他破壞。**

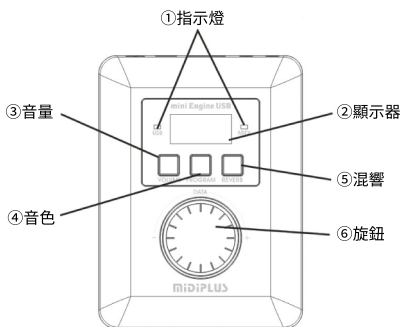
**嚴禁任意拆解、擠壓、穿刺、短路本產品或投入水中、火中或暴露在高溫環境中。**

#### 產品新特性

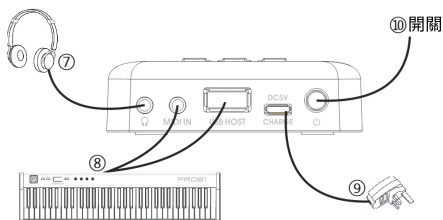
- miniEngine USB 能為你提供128種標準GM 音色，最大支持64複音輸出。
- 16bit 的數據採樣精度，48KHz 的採樣頻率，24dB 聲音數字濾波。
- 支持所有MIDI OUT 或USB 輸出的MIDI 設備。
- 帶數碼管顯示器，隨時顯示當前Program、Volume 和Reverb 的數值。
- 無論是MIDI 還是USB 連接，均可實現零延時。
- miniEngine USB 具有獨特的USB HOST 設計，可拋棄繁瑣的MIDI 線連接，直接使用USB 線把 miniEngineUSB 跟你的 MIDI 設備連接，完成MIDI 數據的傳送。
- 支持MIDI IN 和USB HOST 同時使用，一台琴彈伴奏，一台琴彈旋律，走到哪裡都可以組成小型樂隊。
- miniEngine USB 不僅小巧玲瓏、功能強大，而且操作十分方便。支持 miniEngine USB 與 MIDI 設備同時操作。

- 帶有Program、Volume 和 Reverb 調節功能，輕鬆的操作，隨時調出你想要的音色、音量和混響效果。
- 內置2500mAh 可充鋰電池，可以給您的MIDI 設備供電（USB 輸出電流≤500mA）；只要您的MIDI 設備接受USB 供電，那就能使用我們的音源，MIDIPLUS 的鍵盤理論供電時間長達5小時。真正的讓你把音樂隨身攜帶，外出再也不用擔心供電問題。
- 為了更好的保護電池、延長電池壽命，miniEngine USB 會在指示電量低於15%時進入“低電量提示狀態”，此時屏幕和按鍵燈將會每5秒閃爍一次；當電量低於10%時，屏幕和按鍵燈會快速閃爍；當電量低於5%時，將自動關機。
- miniEngine USB 的USB 設備口(USB HOST)提供了標準的USB 5V 500mA 電流輸出，可充當您的移動電話的應急移動充電器。
- 供電方式：隨處可見的Micro-USB 充電/供電方式（大多手機上的USB 接口，如三星），隨手拿起您的手機充電器就可以給我們的音源充電/供電；如果您用iPhone 的也不用擔心，附件裡配備Micro-USB 接口線，只要把這線插到您的iPhone 的充電頭上，即可充電/供電；您還可以用Micro-USB 接口線連接到任何的USB 口（PC,MAC,移動電源等）對 miniEngine USB 進行充電。
- 接口：3.5mmTS 音頻輸出接口，MIDI 輸入接口，USB HOST 接口（USB 外設），Micro-USB 充電/ 供電接口。

## 控制和接口



- ① 指示燈：指示設備間的通信情況，當有數據傳輸時，指示燈會閃爍。
- ② 顯示器：顯示音色序號、音量值、混響值和剩餘電量等數據。
- ③ 切換到音量調節：按下此鍵時，按鍵燈亮起，通過大旋鈕調節音量的大小；顯示器顯示當前音量數值。
- ④ 切換到音色調節：按下此鍵時，按鍵燈亮起，通過大旋鈕調節音色；顯示器顯示當前音色序號。
- ⑤ 切換到混響調節：按下此鍵時，按鍵燈亮起，通過大旋鈕調節混響的大小；顯示器顯示當前混響數值。
- ⑥ 旋鈕：用於調節Program、Volume 和Reverb 的數值。



- ⑦ 耳機/輸出接口：連接到耳機或其他輸出設備。
- ⑧ MIDI IN/USB IN 接口：連接帶有MIDI OUT 或 USB 輸出接口功能的MIDI 設備。  
注：使用MIDI IN 接口連接設備時，您的鍵盤需要外接電源。
- ⑨ 供電/充電接口：Micro-USB 接口，提供供電和充電功能。
- ⑩ 開關：設備開關，長按5秒開機或關機；在開機狀態下，按一下開關鍵，顯示器將顯示剩餘電量數值，3秒後若無任何操作，將自動切換回上次操作界面。

## 操作說明

miniEngine USB可通過其上面的矽膠按鍵及旋鈕來調節聲音效果。

1. 按下您需要調節的功能，按鍵燈亮起，顯示器顯示當前該功能數值。
2. 旋轉旋鈕調節，調節出您想要的效果。

注：開機默認PROGRAM 功能，即音色調節功能，PROGRAM 鍵亮起。

MIDI 設備可調節miniEngine USB的聲音效果。

將 miniEngine USB 跟您的 MIDI 設備連接，通過MIDI 設備可以調節聲音效果，具體操作流程請查看您所使用產品的說明書。當您的設備在調節到 Program、Volume 和 Reverb 功能時，miniEngine USB上的功能按鍵燈以及顯示器所顯示的數值也相對應發生變化。

兩台 MIDI 設備同時連接 miniEngine USB演奏的操作方法。

1. 將兩台MIDI 設備分別用USB 和MIDI 線連接到 miniEngine USB 上。（MIDI 線連接的MIDI 設備需要另外供電）
2. 將兩台MIDI 設備調到不同的通道（MIDI CHANNEL）上。（只能通過MIDI 設備自身選通道）
3. 按下一個設備的隨意琴鍵，再通過 miniEngine USB 調節出您想用的音色和效果；同樣方法，調出另一個MIDI 設備的音色與效果，這樣就能實現兩個MIDI 設備同時演奏。（調音色和效果可以通過MIDI 設備自身的功能來進行調節）

注：連接兩台MIDI 設備時，miniEngine USB 顯示器上顯示的數據是您最近一次操作的數據。調節音色和效果時，請先確認當前 miniEngine USB 控制的是哪個MIDI 設備。

\* 如果功能變動，請以收到的實物為準，並請留意官方網站所發布的最新資料。

附表1：音色表

0	平台鋼琴	43	低音提琴	86	五度和聲
1	亮音鋼琴	44	顫音弦樂器	87	低音和主旋律
2	平台電鋼琴	45	彈撥弦樂	88	新時代聲
3	走音鋼琴	46	豎琴	89	熱情聲
4	電鋼琴 1	47	定音弦樂器聲	90	多種合成音
5	電鋼琴 2	48	弦樂合奏 1	91	唱詩班聲
6	大鍵琴	49	弦樂合奏 2	92	低音琴弓聲
7	古鋼琴	50	合成弦奏 1	93	金屬聲
8	鋼片琴	51	合成弦奏 2	94	氣氛包圍聲
9	鐘琴	52	合唱"啊"音	95	風吹聲
10	音樂盒	53	合唱"哦"音	96	雨聲
11	抖音琴	54	合成音	97	電音配音樂
12	立奏木琴	55	打擊交響樂	98	清澈的水晶聲
13	柔音木琴	56	小號聲	99	自然氣氛聲
14	管鐘	57	長號聲	100	晴朗天氣聲
15	揚琴	58	大號聲	101	壞天氣聲
16	拉桿風琴	59	弱音喇叭	102	空谷迴聲
17	敲擊風琴	60	法國號	103	科學幻想聲
18	搖滾風琴	61	鐘管合奏合奏聲	104	西塔爾琴聲
19	教堂風琴	62	合成鐘管 1	105	班卓琴聲
20	簧片風琴	63	合成鐘管 2	106	撒米森琴聲
21	手風琴	64	高音薩克斯聲	107	日本十三弦琴音
22	口琴	65	高中音薩克斯聲	108	克林巴琴聲
23	探戈手風琴	66	特內薩克斯聲	109	蘇格蘭風笛
24	古典吉他	67	中音薩克斯聲	110	提琴類樂器聲
25	民謠吉他	68	雙簧管	111	喇叭
26	爵士電吉他	69	英國小號聲	112	叮噠鈴聲
27	原音電吉他	70	巴鬆管聲	113	阿戈戈鼓聲
28	弱音電吉他	71	單簧管聲	114	鋼板鼓聲
29	破音電吉他	72	短笛	115	木板鼓聲
30	噪音電吉他	73	長笛	116	秦可鼓聲
31	泛音電吉他	74	直笛	117	旋律鼓聲
32	原音貝斯	75	排笛	118	合成鼓聲
33	手彈電貝斯	76	吹瓶笛	119	鑄鈸聲
34	彈片電貝斯	77	尺八竹笛聲	120	摩擦噪聲
35	無格貝斯	78	汽笛聲	121	呼吸聲
36	甩指貝斯 1	79	陶笛聲	122	海浪聲
37	甩指貝斯 2	80	長方形臥式鋼琴聲	123	鳥叫聲
38	合成貝斯 1	81	拉鋸聲	124	電話聲
39	合成貝斯 2	82	汽笛風琴聲	125	直升飛機聲
40	小提琴	83	棕櫚鶯聲	126	鼓掌聲
41	中提琴	84	卡那聲	127	射擊聲
42	大提琴	85	說話聲		

附表2：規格表

產品規格	
產品名稱	miniEngine USB
音源	內置音源模塊
複音	最大支持 64 複音
音色	支持 128 種GM 標準音色
插孔	HEADPHONE (LINE) OUT、MIDI IN、USB HOST、Micro-USB
電源適配線	Micro-USB (≥500mA)
電池容量	2500mAh
顯示屏	3 位數碼管
附件	用戶手冊、MIDI 轉接線、Micro-USB 充電線
輸入輸出	
HEADPHONE (LINE) OUT	標準 3.5mm 立體聲耳機接口
MIDI IN	MIDI IN MIDI 信息輸入接口
USB HOST	USB 外設接口 (接MIDI 設備)
Micro-USB	充電/供電接口

[www.midiplus.cn](http://www.midiplus.cn)  
[www.midiplus.com.tw](http://www.midiplus.com.tw)  
[www.midiplususa.com](http://www.midiplususa.com)

# MIDIPLUS

## miniEngine USB

### Owner's manual

Thanks for purchasing **MIDIPLUS miniEngine USB**. Its compact design won't cost 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:

- **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, avoid electric core may cause damage or other damage.**

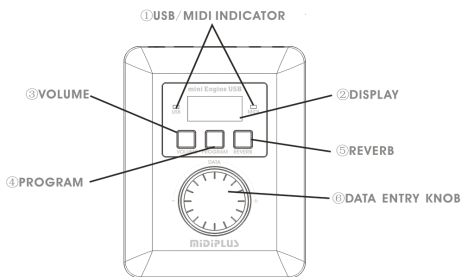
**It is strictly prohibited to dismantle, extrusion, puncture, shorting the product or into the water, fire or exposed to high temperature environment.**

#### New features

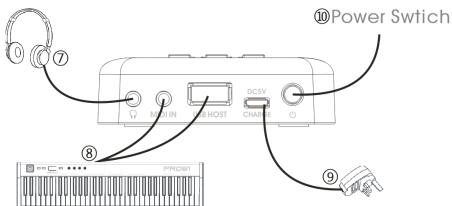
- **miniEngine USB** provides 128 standard GM tones, up to 64 polyphony output.
- 16bit sampling accuracy of the data, 48KHz sampling frequency, 24dB sound digital filtering
- Supports all MIDI devices MIDI OUT or USB output.
- With digital display, ready to display the value of the current Program, 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 accompaniment, 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 bring up the tone, volume and reverb effects as you want.
- Built-in 2500mAh rechargeable lithium battery that can power your MIDI device (USB output current  $\leq 500\text{mA}$ ); acceptable as long as your USB-powered MIDI device, it will be able to use our sources, **MIDIPLUS** keyboard theoretical power for 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), pick up your phone charger can charge for our audio / power 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 its 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, adjust the effect you want.

**Note:** The default boot PROGRAM function, that 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 check that you are using the product manual. 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.

## Two miniEngine USB MIDI devices connected simultaneously playing method of operation.

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)
3. A device by pressing random keys, and then through **miniEngine USB** adjusting the tone that you want to use and effects; same way, adjusting the tone and effect of another MIDI device, so you can play simultaneously achieve two MIDI devices. (Tone sounds and effects can be adjusted via MIDI device itself features)

**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.

**\* 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	Harpichord	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

<b>PRODUCT SPECIFICATIONS</b>	
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 ( $\geq 500\text{mA}$ )
BATTERY CAPACITY	2500mAh
DISPLAY	3 Digital LED
ATTACHMENT	Owner's manual、3.5mmTS to MIDI cable、Micro-USB cable
<b>INPUT / OUTPUT</b>	
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

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