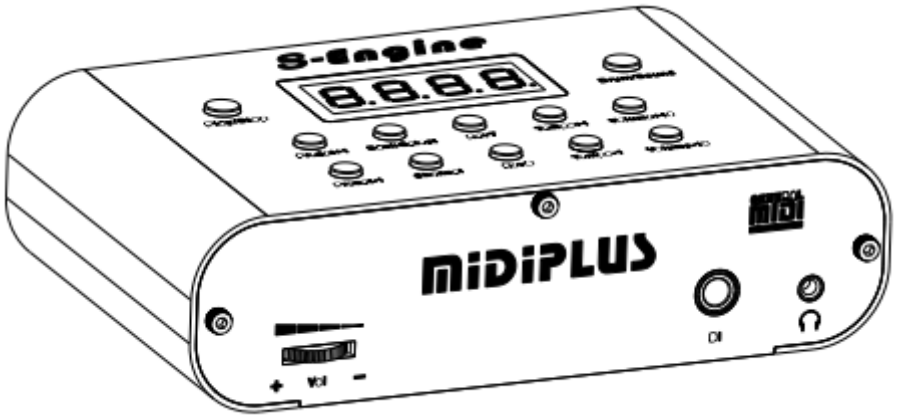
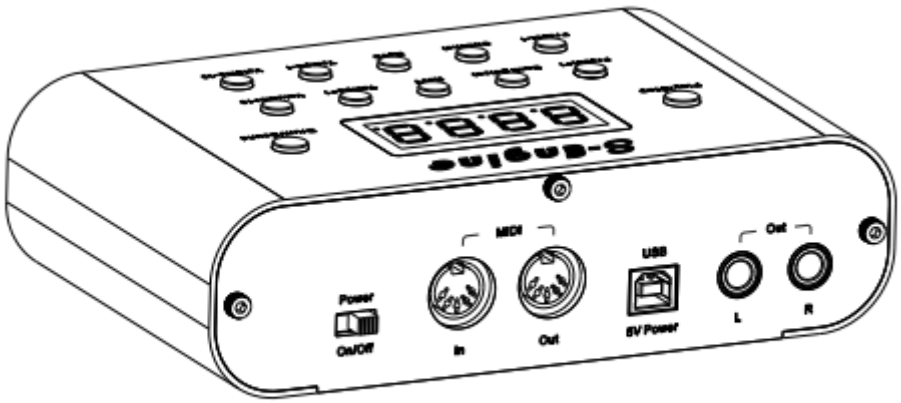
S-Engine

Owner´s manual





MIDIPLUS Co, Ltd. **http://www.midiplus.com.tw**

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1. PREFACE

Congratulations on purchasing the MIDIPLUS S-Engine 8030 sound module. With this module you will be able to discover the wonderful world of Music, with a set of complete musical instruments and many drum patterns in this little black box.

Connect your S-Engine to a Master keyboard or computer, and you will be able to play easily different sounds, or use it for playback GM files from a computer or sequencer. If you are a guitar player, you can use the Direct Input to connect your guitar, and practice songs and riffs by using the S-Engine drum patterns as a drum computer. Many different modern styles are available.

This manual is written to help you become familiar with the features of the MIDIPLUS S-Engine . Please read the manual carefully to discover all the features of your S-Engine . After reading the manual, you will have a clear understanding of how to use the S-Engine , use its drum patterns and sounds. At the end of this manual you will find a list of the 100 implemented drum patterns.

2. General functions and ports

2.1 8030 EMU sound module with 64 EMU sounds and 128 GM sounds ,a total of 192 sounds

2.2 Drum computer/metronome with 100 drum patterns

2.3 LED display

2.4 HI-Z guitar-input TRS jack 6.3mm

2.5 PLAY/STOP button

2.6 Drum/Sound button

2.7 10 function buttons

2.8 MIDI I/O

2.9 LINE OUT TRS jack 6.3 mm

2.10 Headphone output TRS jack 3.5mm

2.11 USB2.0 jack

3. Technical Specifications of the S-Engine :

● Easy to use with keyboards, master keyboards, or computer with MIDI.

● Adjustable headphone out 32Ω, 65mW, 20Hz- 20kHz, thd 0.1%

● Line Out, 10kΩ, 1V, 20Hz- 20kHz, thd 0.01%

● Direct Input for guitar/bass 10kΩ, 20Hz- 20kHz

● Including USB2.0 5V power

4. Connections and user panel:

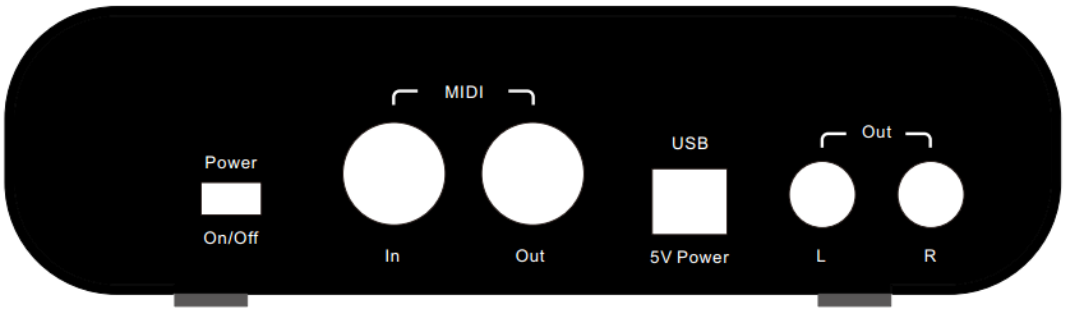
4.1 Front Panel

On the front of the S-Engine you will find the DI (direct input) for guitar/bass and the headphone out. Please connect your guitar or headphone here. Far left is the volume leveler, which controls the volume of the LINE Outs and the headphone out at the same time

Front Panel

4.2 Rear panel

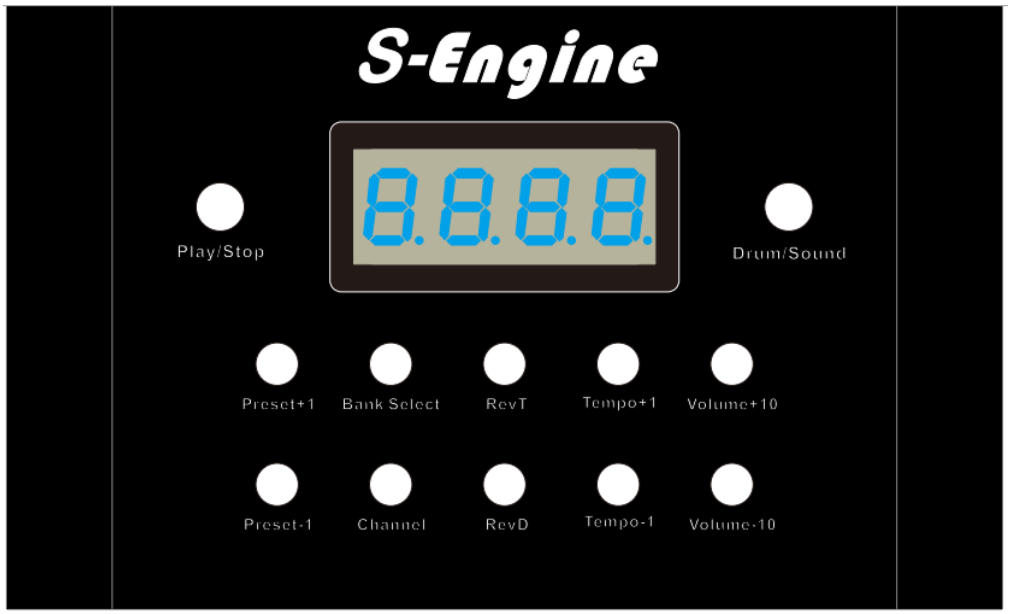
On the rear panel of the S-Engine you will find the LINE Out to connect the S-Engine to an amplifier. Beside the LINE Outs there is the USB2.0, please connect to computer or external charger(DC5V , 1A) by USB cable, provide 5V power with communication . In the middle, there is the MIDI I/O, please connect your keyboard here with a standard MIDI cable. The MIDI Out from the keyboard must be connected to the MIDI In of the S-Engine. On the left side there is the power switch.



Rear Panel

4.3 Top of the S-Engine

On the top of the S-Engine, you see the display, the Play/Stop and the Drum/Sound button. And below this the 10 function buttons.



5. How to use the S-Engine

The basic buttons of the S-Engine are the **Drum/Sound** button and the **Play/Stop** button. The **Drum/Sound** button switches between the basic modes: Drum box and Sound module. In drum mode, the display shows a “d”, in sound mode, a “s”. After this you can switch between the sounds or drum patterns with the Preset +1/-1.

The **Play/Stop** button plays the drum patterns of the S-Engine . Press button PLAY to start playing style, press the same button for STOP, when the drum playing the first LED dot shall blink according the beat.

You can switch between the sound bank by the **Bank Select** button. Press the button, then the display shows “GNPC” for 8030 GM sound bank , or “8030” for 8030 EMU sound bank.

You can set one of the midi channel by holding **Channel** button .Then you can choose between the midi channel with Preset +1 and Preset -1. This midi channel are possible: 0,1,2, 3,4,5,6,7,8,9,10,11,12,13,14,15

The display shows a “C” for this midi channel.

You can set one of the reverb types by holding **RevT**. Then you can choose between the reverb types with **Preset +1** and **Preset -1**. This reverb types are possible: 0= Room1, 1= Room2, 2= Room3

The display shows a “P” for this reverb programs.

To choose the value of the reverb, hold **RevD** in the same combination with **Preset +1/-1**.Possible values are between 0 and 127.

The display shows a “E” for this value of the reverb.

To adjust the volume level of the drum patterns or the S-Engine sounds, please use the **Volume+10/-10** buttons.

The display shows a “L” for the volume level.

6. This is an overview of the 10 function buttons and what the display is showing:

6.1 Sound-Mode overview:

Please switch with the **Drum/Sound** button in the sound mode, the display shows a “S”.

1.Preset +1 – this button switches the sound program number in one step up

display: “S” for sound and then the program-number, e.g. S.064

2.Bank Select – this button switches between the sound bank.

display: “GNPC” for 8030 GM sound or „8030“ for 8030 EMU sound

3.RevT – with this button you can choose a reverb type. In the S-Engine there are 3 reverb types usable.

display: “P” for the reverb type and then the type number, e.g. P.002

4.Tempo +1 - In sound-mode the Tempo +1 button controls the volume +1

display: “L” for the volume level and then the number, e.g. L.127

5.Volume +10 - In sound-mode this button controls the volume +10 step up

display: “L” for the volume level and then the number, e.g. L.127

6.Preset -1 – this button switches the sound program number in one step down

display: “S” for sound and then the program-number, e.g. S.000

7.Channel –In sound-mode this button you can choose a midi channel. In the S-Engine there are 16 midi channel usable.

display: “C” for the midi channel and then the channel number, but can not choose 10 channel .e.g. C.015

8.RevD – with this button you can choose a reverb type parameter.

display: “E” for the effect power from 0-127, e.g. E.110

9.Tempo -1 - In sound-mode the Tempo -1 button controls the volume -1

display: “L” for the volume level and then the number, e.g. L.127

10.Volume -10 - In sound-mode this button controls the volume +10 step down

display: “L” for the volume level and then the number, e.g. L.127

6.2 Drum-Mode overview:

Please switch with the **Drum/Sound** button in the drum mode, the display shows a “d”.

1.Preset +1 – this button switches the drum pattern program number in one step up

display: “d” for drum and then the program-number, e.g. d.099

2.Bank Select – this button switches between the sound bank.

display: “GNPC” for 8030 GM sound or „8030“ for 8030 EMU sound

3.RevT – with this button you can choose a reverb type. In the S-Engine there are 3 reverb types usable.

display: “P” for the reverb type and then the type number, e.g. P.002

4.Tempo +1 - in drum-mode this button controls the tempo of the pattern in 1 step up

display: “t” for drum tempo and then the number, e.g. t.112

5.Volume +10 - in drum-mode this button controls the volume +10 step up

display: “L” for the volume level and then the number, e.g. L.127

6.Preset -1 – this button switches the drum pattern program number in one step down

display: “d” for drum and then the program-number, e.g. d.000

7.Channel – in drum-mode this button can not choose midi channel.

8.RevD – with this button you can choose a reverb type parameter.

display: “e” for the effect power from 0-127, e.g. e.110

9.Tempo -1 - in drum-mode this button controls the tempo of the pattern in 1 step down

display: “t” for drum tempo and then the number, e.g. t.112

10.Volume -10 - in drum-mode this button controls the volume -10 step down

display: “L” for the volume level and then the number, e.g. L.127

7.Save and Reset , Panic function

Save function: Hold down the “**Select Bank**” button for 3 seconds to save your settings data, LED display “SAVE”.

Reset function: Hold down the “**Drum/Sound**” button for 3 seconds to reset the factory parameters, LED display “AESE”.

Panic function: Hold down the “**RevT**” and“**RevD**” button for 3 seconds to enable Panic function, LED display “P.OFF”, it close the residual MIDI note.

8. Afterword.

Because the S-Engine is fully 8030 GM/EMU compatible, you can send normal GM/EMU bank select and program change orders with a sequencer ,a master keyboard or computer. So you will reach the additional sounds and drum sets. The drum sounds are only triggered on MIDI channel 10.

Note：Shake the S-Engine machine to make a noise, it is the noise of the aluminum button on the panel, it is not the component loose inside the machine, not the quality problem.

9. List of the S-Engine Sounds Bank

9.1 List of the S-Engine 8030 GM sound bank

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

9.2 List of the S-Engine 8030 EMU sound bank

1	Grand Piano	33	CP-70 & String & Dyno
2	Rhodes Electric Piano	34	Dyno & Strings
3	B3 2nd Perc	35	B3 - 888 2nd & Rhodes
4	Clavinet 1	36	Clavinet 1 & 2
5	Prophet 10	37	Matrix & Solina
6	String Section	38	Solina & OBX
7	Mini Moog	39	Moog Bass
8	Synthestring	40	Saw Bass
9	Brite Piano	41	CP-70 & Strings
10	DX Rhodes	42	DX & Rhodes
11	B3 Full	43	B3 - All Drawbars Out
12	Clavinet 2	44	Clavinet & Pulse
13	Matrix Synth	45	Juno-Rogue Layer
14	Sax Section	46	Rogue-OBX Layer
15	Moog Rogue	47	Fat Mini
16	Slap/Horns	48	Multi Bass
17	Honky Tonk	49	CP-70 & Rhodes
18	Dyno Rhodes	50	Dyno Piano & OBX
19	B3 Jazz	51	B3 Jazz & DX
20	CP-70	52	All Saws
21	Juno 60	53	MegaSynth
22	Brass Section	54	OB & Saws
23	OB Juno	55	Prophet PWM
24	Synth Bass/Lead	56	Pulse Keys
25	Piano Strings	57	Wurly & CP
26	Wurlitzer EP	58	Wurly & Solina
27	B3 3rd Perc	59	B3 888 3rd & All Drawbars Out
28	Pulse Piano	60	TB303 & Clavinet
29	OB-Xa	61	SEM
30	Solina Strings	62	OB, Juno & B3
31	SEM Moog	63	SEM, Moog & OBX
32	TB 303/Rhodes	64	All Saws & Squares

9.3 List of the drum patterns

List of the drumpatterns

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

more...

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