

Digital Drum

Owner's Manual

INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply

Please connect the designated AC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the AC power adaptor when not using the instrument, or during electrical storms.

Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning

Clean only with a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

Disconnect all cables before moving the instrument.

Contents

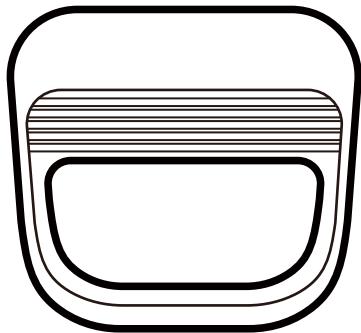
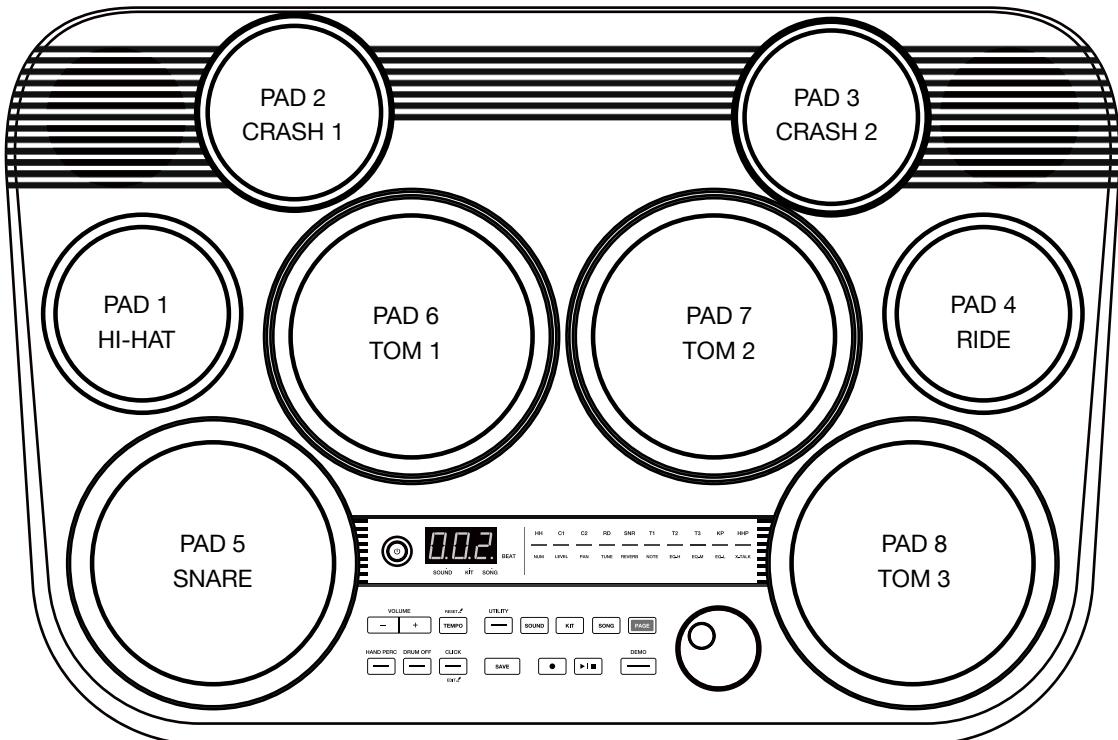
Main Features	4
Panel & Display Description	5
Drum Pad Description (default setting)	5
Front Panel	6
Rear Panel.....	6
Getting Ready to Play	7
Setting Up Power Supply	7
Turning On the Power	7
Turning Off the Power	7
Auto Power Off	7
Playing the Rubber Head Pad.....	7
Drum Kits and Sounds.	8
Selecting a Drum Kit	8
You can press the [PAGE] button to change the sub-menu.....	8
Selecting a Sound	8
Saving a User Kit.....	8
Song	10
Selecting a Song.....	10
Playing a Song.....	10
Muting the Drums in a Song	10
DEMO.....	10
Click	11
Turning the Click On or Off	11
Setting the Click Parameters	11
Adjusting the Tempo	11
Recording	12
Prepare Recording.....	12
Start / Stop Recording	12
Utility Settings	13
Hand Percussion	15
Connecting to Computer	15
Factory Reset	15
Troubleshooting	16
Prompt Messages	16
Specifications	17
Appendices	
Drum Sound List	18
Drum Kit List.....	22
Song List.....	23
GM Backing Sound List	24
GM Drum Kit List.....	25
MIDI Implementation Chart.....	27

Main Features

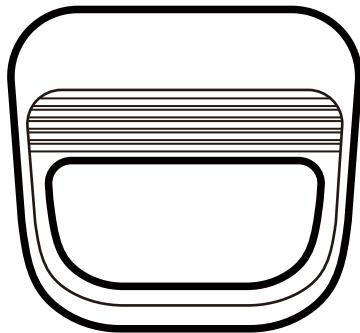
- **Rubber Pads** - Provides more durable hitting characteristics, and internal noise reduction treatment
- **Sound** - High quality, expressive acoustic and electronic drum & percussion sounds from around the world.
- **Song** - Play along with a wide variety of included music genres.
- **Record** - Record your drum and percussion performances.
- **Hand Percussion** - Providing an easy access for hand percussion performance.

Panel & Display Description

Drum Pad Description (default setting)



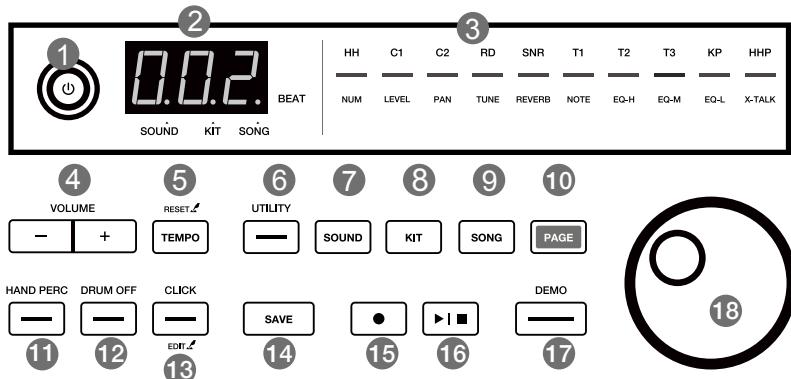
HI-HAT PEDAL



KICK PEDAL

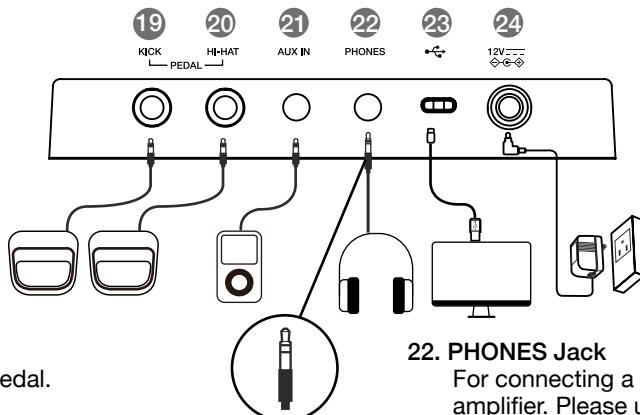
Panel & Display Description

Front Panel



- 1. [POWER] Button**
Turn the power on or off.
- 2. 3-Digit LED**
Display the current mode and parameters.
- 3. Drum Pad Indicator / Page Indicator**
Drum pad indicator: blink.
Page (sub-menu) indicator: stay lit.
- 4. [VOLUME +/-] Buttons**
Adjust the master volume.
- 5. [TEMPO] Button**
Press to enter the Tempo menu.
Long-press to reset to the default tempo of the current song.
- 6. [UTILITY] Button**
Enter the Utility menu, then use the [PAGE] button to change the sub-menu.
- 7. [SOUND] Button**
Enter the Sound menu, then use the [PAGE] button to change the sub-menu.
- 8. [KIT] Button**
Enter the Kit menu, then use the [PAGE] button to change the sub-menu.
- 9. [SONG] Button**
Enter the Song menu, then use the [PAGE] button to change the sub-menu.
- 10. [PAGE] Button**
Change the sub-menu of the current main menu.
- 11. [HAND PERC] Button**
Enter Hand Percussion mode.
- 12. [DRUM OFF] button**
Mute or unmute the drum part in a song.
- 13. [CLICK] Button**
Press to turn the click on or off.
Long-press to enter the Click menu, then use the [PAGE] button to change the sub-menu.
- 14. [SAVE] Button**
Save the current kit settings to a user kit.
- 15. [RECORD] Button**
Enter or exit Record mode.
- 16. [PLAY/STOP] Button**
Play or stop playing a song.
- 17. [DEMO] Button**
Press to turn on the demo song.
- 18. Data Dial**
Adjust the parameters.

Rear Panel



- 19. KICK PEDAL Jack**
For connecting the Kick pedal.
- 20. HI-HAT PEDAL Jack**
For connecting the Hi-Hat pedal.
- Note:** If connecting a kick pad or Hi-Hat pedal, please use a MONO cable.
- 21. AUX IN Jack**
For connecting external audio player, such as an MP3.
- 22. PHONES Jack**
For connecting a pair of headphones or external audio amplifier. Please use a pair of headphones without a mic. Using headphones with a mic may cause the sound not normal.
- 23. USB Jack**
For connecting to a computer or a portable power bank.
- 24. Power Jack**
For connecting the specified power adapter.

Getting Ready to Play

Setting Up Power Supply

1. Connect the power adapter to the power jack on the rear panel.
2. Connect the other end of the power cord to an appropriate AC outlet.

Notes:

1. Use the specified power adapter.
2. Even when the module is turned off, electricity is still flowing to the module at minimum level. Please unplug the module when it is not in use for a long time.
3. The module supports using USB power. Make sure to use high-quality USB-C cable and USB power adapter.
 - It supports USB power adapter of 5V/2A.
 - It supports portable power bank of 5V/2A. It may not support all power bank brands.
 - When using the module to communicate with a computer/mobile device, make sure to use the DC12V power adapter to power the module, otherwise, it may not work normally.
 - When using USB power, the module will automatically reduce the output volume. In such a case, we suggest using headphones or external speakers.

Turning On the Power

1. Press the [POWER] button to turn on the module. The display shows the current mode and parameter.
2. Use the [MASTER VOLUME +/-] buttons to adjust the volume. Strike the pads and listen with headphones, until you get an appropriate volume level.

Notes:

1. Before turning on or off the power, make sure you have turned down the volume of all the connected equipment.
2. When using the power adapter, the maximum volume level can reach 16. When using USB power, the maximum volume level will be limited to 12.

Turning Off the Power

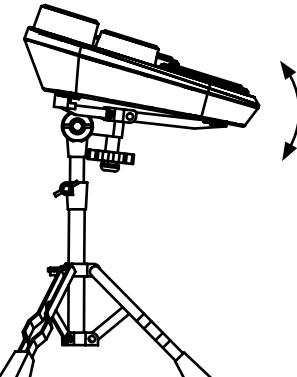
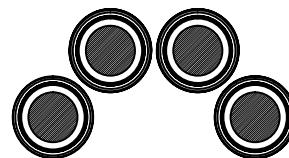
Press the [POWER] button to turn off the module. The display turns off.

Auto Power Off

In order to save energy, the module will automatically turn off after 30 minutes if it is not in use (playing, striking, pressing button, etc.) To disable this function, hold the [PLAY/STOP] button and then turn on the power. The display will temporarily show "PoF".

Playing the Rubber Head Pad

1. When playing the rubber head pads, make sure not to strike the rim of the pads. If you strike the edge area of the pad, it may cause noise and crosstalk.
2. When mounting the module to a snare drum stand, make sure the drum pads are tilted properly towards the player. Doing this will help reduce the chance of striking the edge area of the rubber head pads. We suggest using a 14-inch snare drum stand.



Drum Kits and Sounds

Selecting a Drum Kit

1. Press the [KIT] button to enter the Kit menu. The kit indicator lights up on the display.
2. The display shows the current kit number. Use the data dial to select a desired drum kit.

You can press the [PAGE] button to change the sub-menu.

Sub-menu	Display	Range	Description
Kit Number	 	1~80, U01~U10	Select a kit number.
Kit Volume		0~32	Adjust the kit volume.

Selecting a Sound

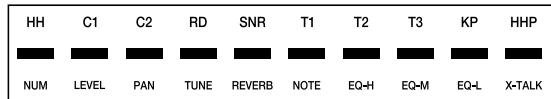
You can change the sound for each drum pad.

1. Press the [SOUND] button to enter the Sound menu. The sound indicator lights up on the display.
2. Strike the pad that you want to edit. The corresponding pad indicator blinks.
3. Use the data dial to select a sound including a USER sound. You can press the [PAGE] button to change the sub-menu.



Notes:

1. In the Sound menu, these sub-menus (NUM, LEVEL, PAN, TUNE, REVERB, NOTE) share the same indicators with drum pads.
2. When you change the sub-menu, the corresponding sub-menu indicator will turn on and stay lit.
3. When you strike a drum pad, the corresponding pad indicator will blink.
4. If you select a pad that uses the same indicator as the current sub-menu, this indicator will be used for sub-menu indication only.



Saving a User Kit

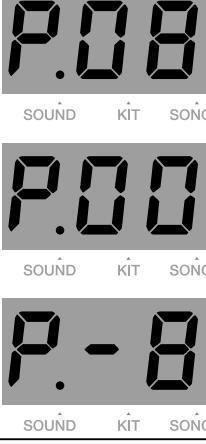
1. Press the [SAVE] button. The current user kit number (such as "U01") blinks on the display.
2. Use the data dial to select a user kit slot to save the setting [U01-U10].
3. Press the [SAVE] button again to confirm saving. The kit number on the display stops blinking.



Note:

Unsaved kit settings will be lost when you enter other menus or change the kit number.

Drum Kits and Sounds

Sub-menu	Display	Range	Description
Num		1~600	Select a sound number.
Level		0~32	Adjust the sound volume.
Pan		-8~0~8	Adjust the pan of the sound.
Tune		-8~0~8	Adjust the pitch of the sound.
Reverb		0~16	Adjust the reverb level of the sound.
MIDI Note		0~99	The MIDI note will be sent via MIDI OUT.

Song

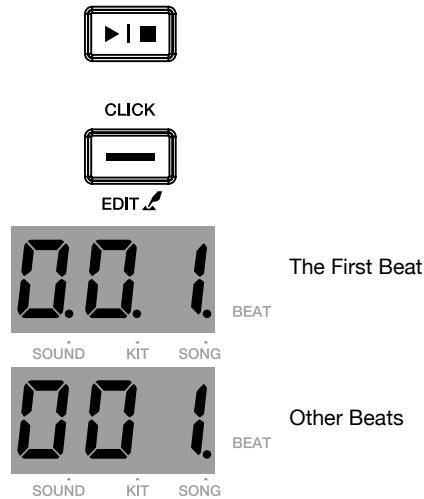
Selecting a Song

1. Press the [SONG] button to enter the Song menu. The song indicator lights up on the display.
2. The display shows the current song number. You can use the data dial to select a song.
If you select song No.1~100, it will loop playing this song. If you select song No.101~110 or a user song, it will play this song once and then stop.

Sub-menu	Display	Range	Description
Song Num		1~110, U01~U05	Select a song num- ber.
Song Vol		0~32	Adjust the song vol- ume.
PAD LED ON/OFF	 	On, Off	Turn the pad indicator on/ off for song playback. LoF: light off. LoN: light on.

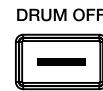
Playing a Song

1. Press the [PLAY/STOP] button to play or stop the current song.
When song is playing, you can use the data dial to select a song. The selected song will start playing when the current measure finished.
2. When song is playing, you can press the [CLICK] button to turn the click on or off.
3. When song is playing, the dots on the display blink with the song tempo. The three dots will blink at the same time at the first beat of each measure.
4. Press the [TEMPO] button to enter the Tempo menu. The display shows the current tempo. You can use the data dial to change the tempo. If you long-press the [TEMPO] button, it will reset to the default tempo of the current song.
You can press other menu buttons to exit the Tempo menu. Or if there's no operation within 3 seconds, it will automatically exit and go back the previous menu.



Muting the Drums in a Song

1. Press the [DRUM OFF] button to mute the drum part of the current song. The button indicator turns on.
2. When the drum part is muted, the corresponding drum pad indicators will turn on according to the drum rhythm.
3. Press the [DRUM OFF] button again to unmute the drum part.



DEMO

Press the [DEMO] button to turn on the demo song.
Tempo and Master Volume can be adjusted in DEMO mode.

Turning the Click On or Off

1. Press the [CLICK] button to start the click. The button indicator blinks in sync with the tempo.

2. Press the [CLICK] button again to turn off the click.



Setting the Click Parameters

1. Long-press the [CLICK] button to enter the Click menu. The display shows the corresponding click parameter.

2. Use the data dial to adjust the parameters. You can press the [PAGE] button to change the sub-menu.

Sub-menu	Display	Range	Description
Beat		0~9	Set the beat.
Rhythm Type		2 (half note) 4 (quarter note) 8 (eighth note) 3 (eighth note triplet) 16 (sixteenth note)	Set the rhythm of the click.
Volume		0~16	Set the click volume.
Sound		1~6	Set the click sound.

Adjusting the Tempo

1. Press the [TEMPO] button to enter the Tempo menu. The display shows the current tempo.
2. Use the data dial to change the tempo (30 ~ 280). If you long-press the [TEMPO] button, it will reset to the default tempo of the current song.
3. You can press other menu buttons to exit the Tempo menu. If there's no operation within 3 seconds, it will automatically exit and go back the previous menu.



SOUND KIT SONG

Note:

The click tempo will change in sync with the current song tempo. When you change the song, the tempo will change along.

Recording

Prepare Recording

1. Press the [RECORD] button to enter Record mode. The display shows "rEC". The [RECORD] button indicator lights up. The [PLAY/STOP] button indicator blinks.
2. Press the [PAGE] button to change the sub-menu, then use the data dial to adjust the parameters.



PAGE

Sub-menu	Display	Range	Description
UserSong		U01~U05	Select a user song number.
Kit		1~80, U01~U10	Select a kit for recording.
Song		--- ,1~110	Select a song for accompaniment. “---” means no song is selected for accompaniment.
Beat		0~9	Click Beats: Available only when the Song sub-menu is set to “---”.
Tempo		30~280	Set the tempo for recording. Note: It will use the song tempo when using song accompaniment. When no song is selected, it will use the default tempo of 120.

Start / Stop Recording

1. In Record mode, press the [PLAY/STOP] button or strike a pad to start recording. The display shows the measure counts of recording. The dots on the display blink according to the selected tempo and beat. During recording, the [RECORD] and the [PLAY/STOP] button indicators stay lit.
2. Press the [PLAY/STOP] button to stop recording. The [RECORD] and the [PLAY/STOP] button indicators turn off.
3. Press the [PLAY/STOP] button to hear your recording

Notes:

1. It can record up to 8000 strikes. When recording is full, the display will show "FUL" and return to the Song menu.
2. When you edit kit settings, save the edited kit as a user kit before entering Record mode. If you use the unsaved kit settings for recording, when you play back this user song, it will sound different from recording.

Utility Settings

In Utility Settings, you can set the global EQ and trigger parameters.

Global EQ: the 3-band EQ can adjust separately the bass (100Hz), the mid range (500~3KHz) and the treble (12KHz), in the adjustable range of -6dB~-+6dB.

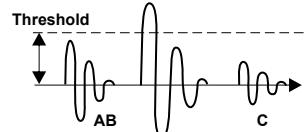
Trigger parameters: adjust the crosstalk, gain and threshold for a pad.



1. Press the [UTILITY] button to enter the Utility menu. The display shows the parameter of the current sub-menu.
2. Use the data dial to adjust the parameter. Press the [PAGE] button to change the sub-menu.

Detailed parameters and their ranges:

Sub-menu	Display	Range	Description
EQ High		1~9	Set the high-band gain, range is: 1=-3dB, 2=-2dB, 3=-1.5dB, 4=-1dB, 5=0dB, 6=1dB, 7=1.5dB, 8=2dB, 9=3dB
EQ Middle		1~9	Set the mid-band gain. Same range as the high-band gain.
EQ Low		1~9	Set the Low-band gain. Same range as the high-band gain.
Pad X-Talk		0~32	This setting helps prevent “crosstalk”. Crosstalk means when you strike a pad, the adjacent pad also produces sound. For example: when you hit the snare, tom1 also produces sound. In this case, you can gradually increase the “X-talk” value for tom1. Note: If the X-talk value is set too high, when two pads are being played at the same time, the one being struck less forcefully may not produce sound.
Pad Gain		0~32	Adjust the sensitivity of pads. Higher sensitivity allows the pad to produce a loud volume even when playing softly. Lower sensitivity makes the pad produce a low volume even when playing forcefully.
Pad Threshold		0~32	Setting the threshold of the pads. It will produce sound only when the trigger signal is above the threshold level. This setting can prevent unwanted sounding, such as crosstalk. If setting this value too high, it may not produce sound when striking softly. You can adjust the threshold in this way: 1. Set the value to a low level. 2. Raise the value gradually, and strike the pad to check, until you get an appropriate level.



Utility Settings

Notes:

1. These settings will be saved automatically when you turn off the power: utility settings, master volume, the number/volume/pad LED setting of the current song, the beat/volume/sound setting of the click.
2. To reset to the default utility settings, song number, and master volume, hold [UTILITY] + [SAVE] buttons and turn on the power". User kits and songs will be saved and not reset.

HH	C1	C2	RD	SNR	T1	T2	T3	KP	HHP
NUM	LEVEL	PAN	TUNE	REVERB	NOTE	EQ-H	EQ-M	EQ-L	X-TALK

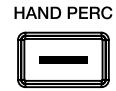
Notes:

1. In the Utility menu, these sub-menus (EQ-H, EQ-M, EQ-L, X-TALK) share the same indicators with drum pads. There's no indicator for the sub-menus of Gain and Threshold.
2. When you change the sub-menu, the corresponding sub-menu indicator will turn on and stay lit.
3. When you strike a drum pad, the corresponding pad indicator will blink.
4. If you select a pad that uses the same indicator as the current sub-menu, this indicator will be used for sub-menu indication only.

Hand Percussion

The module provides easy access to hand percussion practice.

1. Press the [HAND PERC] button to enter Hand Percussion mode. The current drum kit will change to use hand percussion kit. The pad sensitivity will automatically be re-adjusted to a higher level to be suitable for hand practice.



2. Press the [HAND PERC] button again to exit this mode.

Note:

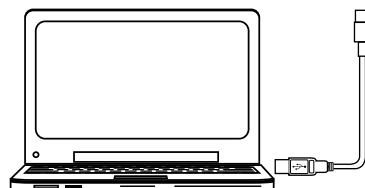
When it enters Hand Percussion mode, the current song will change to use a song that has hand percussion kit. When you exit this mode, it will go back to use the previous song, and change the current drum kit accordingly.

Connecting to Computer

The module has a USB jack, which can be connected to a computer for MIDI input or MIDI output.

The module can work without installing a driver in the Windows operating system and MAC OSX, and be recognized in the name of “e-drum”.

KICK HI-HAT AUX IN PHONES 12V



Note:

The module is compatible with these USB ports: USB3.0, USB2.0 full speed, and USB high speed.

Factory Reset

1. Push [POWER] button to turn the power off.
2. Hold [+] and [-] button and push [POWER] to finish factory reset.

Note: The operation will reset all data.

Troubleshooting

Problem	Possible Cause and Solution
No sound.	Use the [VOLUME +/-] buttons to set an appropriate volume level.
No sound from the pads.	Make sure the pad volume is not set to “0”.
No click sound.	1. Make sure the click is turned on. 2. Make sure the click volume is not set to “0”.
The pad volume doesn't match the song playback volume.	Adjust the pad volume to match the song playback volume.
Cannot connect to computer.	1. Make sure the USB cable is connected correctly. 2. Make the connection again (keep the computer on, then turn the module on, then connect the USB cable). 3. The module should work without installing a driver.

Prompt Messages

Message on display	Meaning
Pof	Auto Power Off function is disabled.
---	No data in the user sound.
NUL	No data in the user song.
FUL	The memory of the user song is full.

Specifications

Pad	8 drum pads with touch sensitivity
Pedal	1 kick pedal, 1 Hi-hat pedal
Sounds	600 preset
Drum Kits	80 preset + 10 user
Songs	110 preset + 5 user + 1 Demo
Control Buttons	POWER, VOLUME +/-, TEMPO, UTILITY, SOUND, KIT, SONG, PAGE, HAND PERC, DRUM OFF, CLICK, SAVE, RECORD, PLAY/STOP, DEMO
Connectors	KICK Pedal, HI-HAT Pedal, AUX IN, PHONES, USB Type-C, DC IN
Power	DC 12V 2000mA
Dimensions LWH (mm)	618 x 383 x 130
Weight (kg)	3.38

* All specifications and appearances are subject to change without notice.

Drum Sound List

No.	Name
KICK	
1	Collector Kick
2	Custom Kick
3	22" Standard Kick 1
4	22" Standard Kick 2
5	Rock Kick 1
6	Rock Kick 2
7	22" Acoustic Kick
8	22" Jazz Kick
9	Vintage Kick 1
10	Vintage Kick 2
11	Brush Kick 1
12	Brush Kick 2
13	Funk Kick
14	Room Kick 1
15	Room Kick 2
16	Fusion Kick 1
17	Fusion Kick 2
18	1970's Kick 1
19	1970's Kick 2
20	Reggae Kick 1
21	Reggae Kick 2
22	Big Band Kick
23	Old School Kick 1
24	Old School Kick 2
25	Pop Kick
26	Magic Kick 1
27	Magic Kick 2
28	Noise Kick 1
29	Noise Kick 2
30	Dubstep Kick
31	Power Kick
32	808 Kick
33	909 Kick
34	EDM Kick 1
35	EDM Kick 2
36	Voice Kick
37	Lo-Fi Kick 1
38	Lo-Fi Kick 2
39	Junkyard Kick 1
40	Junkyard Kick 2
41	22" Acoustic Kick
42	24" Standard Kick
43	Brush Kick
44	Jazz Kick
45	Room Kick
46	Vintage Kick
47	HipHop Kick
48	Drum & Bass Kick
49	Electronic Kick 1
50	Dance Kick

51	FX Mix Kick	102	Old School Snare Stick
52	Techno Kick	103	Orchestra Snare 1
53	Electronic Kick 2	104	Orchestra Snare Rim 1
SNARE			
54	Collector Snare 1	105	Reggae Snare 1
55	Collector Snare Rim	106	Reggae Snare Rim
56	Collector Snare Stick	107	808 Snare 1
57	Custom Snare 1	108	808 Snare Rim
58	Custom Snare Rim	109	808 Snare Clap
59	Custom Snare Stick	110	909 Snare 1
60	14" Standard Snare 1	111	909 Snare Rim
61	14" Standard Snare 1 Rim	112	909 Snare Clap
62	14" Standard Snare 1 Stick	113	EDM Snare 1
63	14" Rock Snare 1	114	EDM Snare 2
64	14" Rock Snare Rim	115	EDM Clap
65	14" Rock Snare Stick	116	Techno Snare 1
66	14" Acoustic Snare	117	Techno Snare Rim 1
67	14" Acoustic Snare Rim	118	Techno Snare Stick
68	14" Acoustic Snare Stick	119	House Snare 1
69	Funk Snare 1 Rim	120	House Snare Rim
70	Funk Snare 1 Stick	121	House Snare Stick
71	Jazz Snare	122	Junkyard Snare 1
72	Jazz Snare Rim	123	Junkyard Snare Rim
73	Jazz Snare Stick	124	Junkyard Snare Stick
74	Room Snare	125	Lo-Fi Snare 1
75	Room Snare Rim	126	Lo-Fi Snare Rim
76	Room Snare Stick 1	127	Lo-Fi Snare Stick
77	Fusion Snare 1	128	Noise Snare 1
78	Fusion Snare Rim	129	Noise Snare Rim
79	Fusion Snare Stick 1	130	Noise Snare Stick
80	Real Brush Snare 1	131	Magic Snare 1
81	Real Brush Snare 2	132	Magic Snare Rim
82	Real Brush Snare Rim	133	R&B Snare
83	Real Brush Snare Stick	134	R&B Snare Rim
84	Brush Swirl 1	135	Dance Snare 1
85	14" Standard Snare 2	136	Dance Snare Rim
86	14" Standard Snare 2 Rim	137	Electronic Snare 1
87	14" Standard Snare 2 Stick	138	Electronic Snare Rim
88	Funk Snare 2	139	Dubstep Snare 2
89	Funk Snare 2 Rim	140	Voice Snare
90	Funk Snare 2 Stick	141	HipHop Snare
91	Brush Snare 2	142	Power Snare 1
92	Brush Snare 2 Rim	143	14" Acoustic Snare
93	Brush Snare 2 Stick	144	14" Standard Snare
94	Vintage Snare 1	145	14" Funk Snare
95	Vintage Snare Rim	146	Brush Snare
96	Vintage Snare Stick	147	14" Jazz Snare
97	Live Snare 1	148	14" Rock Snare 2
98	Live Snare Rim	149	13" Damped Snare
99	Live Snare Stick 1	150	Orchestra Snare
100	Old School Snare 1	151	Orchestra Snare Rim
101	Old School Snare Rim	152	Room Snare

Drum Sound List

153	Fusion Snare	204	Rock Tom 3	256	Jazz Tom 1
154	Big Band Snare	205	Rock Tom 4	257	Jazz Tom 2
155	Vintage Snare	206	Rock Tom 5	258	Jazz Tom 3
156	Live Snare	207	Rock Tom 6	259	Jazz Tom 4
157	Reggae Snare	208	Acoustic 1 Tom 1	260	Jazz Tom 5
158	R&B Snare 1	209	Acoustic 1 Tom 2	261	Jazz Tom 6
159	808 Snare	210	Acoustic 1 Tom 3	262	808 1 Tom 1
160	909 Snare	211	Acoustic 1 Tom 4	263	808 1 Tom 2
161	R&B Snare 2	212	Acoustic 1 Tom 5	264	808 1 Tom 3
162	Electronic Snare	213	Acoustic 1 Tom 6	265	808 1 Tom 4
163	Power Snare	214	Funk Tom 1	266	808 1 Tom 5
164	Dance Snare	215	Funk Tom 2	267	808 1 Tom 6
165	Old School Snare	216	Funk Tom 3	268	909 1 Tom 1
166	House Snare	217	Funk Tom 4	269	909 1 Tom 2
167	Lo-Fi Snare	218	Funk Tom 5	270	909 1 Tom 3
168	Junkyard Snare	219	Funk Tom 6	271	909 1 Tom 4
169	Noise Snare	220	Fusion Tom 1	272	909 1 Tom 5
170	Drum & Bass Snare	221	Fusion Tom 2	273	909 1 Tom 6
171	Techno Snare	222	Fusion Tom 3	274	Electronic Tom 1
172	Techno Snare Rim	223	Fusion Tom 4	275	Electronic Tom 2
173	Magic Snare	224	Fusion Tom 5	276	Electronic Tom 3
174	Acoustic Snare Stick	225	Fusion Tom 6	277	Electronic Tom 4
175	Standard Snare Stick	226	808 Tom 1	278	Electronic Tom 5
176	Brush Snare Stick	227	808 Tom 2	279	Electronic Tom 6
177	Rock Snare Stick	228	808 Tom 3	280	Power Tom 1
178	Live Snare Stick	229	808 Tom 4	281	Power Tom 2
179	Room Snare Stick	230	808 Tom 5	282	Power Tom 3
180	Fusion Snare Stick	231	808 Tom 6	283	Power Tom 4
181	Brush Swirl	232	909 Tom 1	284	Power Tom 5
Tom		233	909 Tom 2	285	Power Tom 6
182	Collector Tom 1	234	909 Tom 3	286	Lo-Fi Tom 1
183	Collector Tom 2	235	909 Tom 4	287	Lo-Fi Tom 2
184	Collector Tom 3	236	909 Tom 5	288	Lo-Fi Tom 3
185	Collector Tom 4	237	909 Tom 6	289	Lo-Fi Tom 4
186	Custom Tom 1	238	910 Tom 5	290	Lo-Fi Tom 5
187	Custom Tom 2	239	910 Tom 6	291	Lo-Fi Tom 6
188	Custom Tom 3	240	EDM Tom 1	292	Junkyard Tom 1
189	Custom Tom 4	241	EDM Tom 2	293	Junkyard Tom 2
190	Real Brush Tom 1	242	EDM Tom 3	294	Junkyard Tom 3
191	Real Brush Tom 2	243	EDM Tom 4	295	Junkyard Tom 4
192	Real Brush Tom 3	244	Acoustic Tom 1	296	Junkyard Tom 5
193	Real Brush Tom 4	245	Acoustic Tom 2	297	Junkyard Tom 6
194	Real Brush Tom 5	246	Acoustic Tom 3	298	Noise Tom 1
195	Real Brush Tom 6	247	Acoustic Tom 4	299	Noise Tom 2
196	Standard Tom 1	248	Acoustic Tom 5	300	Noise Tom 3
197	Standard Tom 2	249	Acoustic Tom 6	301	Noise Tom 4
198	Standard Tom 3	250	Brush Tom 1	302	Noise Tom 5
199	Standard Tom 4	251	Brush Tom 2	303	Noise Tom 6
200	Standard Tom 5	252	Brush Tom 3	304	Techno Tom 1
201	Standard Tom 6	253	Brush Tom 4	305	Techno Tom 2
202	Rock Tom 1	254	Brush Tom 5	306	Techno Tom 3
203	Rock Tom 2	255	Brush Tom 6	307	Techno Tom 4

Drum Sound List

308	Techno Tom 5	356	14" Classic Hi-hat Open	407	808 LowConga
309	Techno Tom 6	357	14" Classic Hi-hat Pedal	408	808 Maracas
310	Magic Tom 1	358	14" Classic Hi-hat Splash	409	Taiko Drum
311	Magic Tom 2	359	14" Custom Hi-hat Close	410	Maracas
312	Magic Tom 3	360	14" Custom Hi-hat Open	411	Sticks
313	Magic Tom 4	361	14" Custom Hi-hat Pedal	412	Metronome Bell
Ride		362	14" Custom Hi-hat Splash	413	Vibra-slap 1
314	20" Classic Ride	363	Brush Hi-hat Close	414	Vibra-slap 2
315	20" Classic Ride Edge	364	Brush Hi-hat Open	415	Vibra-slap 3
316	20" Classic Ride Bell	365	Brush Hi-hat Pedal	416	Synthesis Percussion 1
317	808 1 Ride	366	Brush Hi-hat Splash	417	Synthesis Percussion 2
318	909 Ride	367	14" Standard Hi-hat Close	418	Vibra-slap
319	20" Funk Ride	368	14" Standard Hi-hat Open	419	High Q 1
320	808 Ride	369	14" Standard Hi-hat Pedal	420	High Q 2
321	Ride	370	14" Standard Hi-hat Splash	421	Low Q 1
322	House Ride	371	14" Rock Hi-hat Close	422	Low Q 2
323	Lo-Fi Ride	372	14" Rock Hi-hat Open	423	Mute Hi Conga 1
324	Junkyard Ride	373	14" Rock Hi-hat Pedal	424	Mute Hi Conga 2
325	Noise Ride	374	14" Rock Hi-hat Splash	425	Open Hi Conga 1
Crash		375	14" Acoustic Hi-hat Close	426	Open Hi Conga 2
326	16' Classic Crash	376	14" Acoustic Hi-hat Open	427	Low Conga
327	16' Classic Crash Edge	377	14" Acoustic Hi-hat Pedal	428	High Bongo
328	18" Custom Crash	378	14" Acoustic Hi-hat Splash	429	Low Bongo
329	18" Custom Crash Edge	379	14" Funk Hi-hat Close	430	High Timbale 1
330	808 1 Crash	380	14" Funk Hi-hat Open	431	High Timbale 2
331	909 Crash	381	14" Funk Hi-hat Pedal	432	High Timbale 3
332	EDM Crash 1	382	14" Funk Hi-hat Splash	433	High Timbale 4
333	EDM Crash 2	383	808 Hi-hat Close	434	High Timbale 5
334	16" Acoustic Crash	384	808 Hi-hat Open	435	Low Timbale 1
335	16" Acoustic Crash Edge	385	808 Hi-hat Pedal	436	Low Timbale 2
336	16" Rock Crash	386	808 Hi-hat Splash	437	Low Timbale 2 Rim
337	16" Rock Crash Edge	387	909 Hi-hat Close	438	Low Timbale 3
338	808 Crash	388	909 Hi-hat Open	439	Low Timbale 4
339	909 Crash	389	909 Hi-hat Pedal	440	High Agogo
340	Electronic Crash	390	909 Hi-hat Splash	441	Low Agogo
341	Brush Crash	391	Dance Hi-hat Close	442	Claves 1
342	Lo-Fi Crash	392	Dance Hi-hat Open	443	Claves 2
343	China	393	Dance Hi-hat Pedal	444	Jingle Bell 1
344	Splash	394	Dance Hi-hat Splash	445	Jingle Bell 2
Hihat		395	EDM_Hihat Close	446	Cowbell
345	14" Acoustic Hi-hat Close	396	EDM_Hihat Open	447	Bell Tree 1
346	14" Acoustic Hi-hat Open	397	EDM_Hihat Pedal	448	Bell Tree 2
347	14" Acoustic Hi-hat Edge Close	398	Lo-Fi Hi-hat Close	449	Tambourine 1
348	14" Acoustic Hi-hat Edge Open	399	Lo-Fi Hi-hat Open	450	Tambourine 2
349	14" Acoustic Hi-hat Pedal	400	Lo-Fi Hi-hat Edge	451	Cabasa
350	14" Acoustic Hi-hat Splash	401	Lo-Fi Hi-hat Pedal	452	Long Guiro
351	Rock Hi-hat Close	402	Lo-Fi Hi-hat Splash	453	Short Guiro
352	Rock Hi-hat Open	PERCUSSION			
353	Fusion Hi-hat Close	403	808 Claves	454	Wood Hi
354	Fusion Hi-hat Open	404	808 CowBell	455	Wood Low
355	14" Classic Hi-hat Close	405	808 HiConga	456	Cuica Mute
		406	808 MidConga	457	Cuica Open
				458	Triangle Mute

Drum Sound List

459	Triangle Open	511	Marimba F5	563	Orchestra Timp C4
460	Indian 1	512	Marimba G5	Chinese	
461	Indian 2	513	Marimba A5	564	Dagu 1
462	Indian 3	514	Marimba B5	565	Dagu 2
463	Indian 4	515	Marimba C6	566	Zhu ban
464	Indian 5	516	Celesta Db3	567	Nan Bang
465	Indian 6	517	Celesta E3	568	Damuyu
466	Indian 7	518	Celesta F3	569	Xiaomuyu 1
467	Indian 8	519	Celesta Ab3	570	Xiaomuyu 2
468	Indian 9	520	Celesta Bb3	571	Xiaomuyu 3
469	Indian 10	521	Celesta Db4	572	Xiaomuyu 4
470	Indian 11	522	Celesta Eb4	573	Paigu 1
471	Indian 12	523	Celesta Gb4	574	Paigu 2
472	Indian 13	524	Celesta Ab4	575	Paigu 3
473	Indian 14	525	Celesta Bb4	576	Mangluo 1
474	Indian 15	526	Celesta Db5	577	Mangluo 2
475	Indian 16	527	Celesta Eb5	578	Mangluo 3
476	African 1	528	Vibraphone Gb5	579	Daluo 1
477	African 2	529	Celesta Ab5	580	Daluo 2
478	African 3	530	Celesta Bb5	581	Dabo 1
479	African 4	531	Vibraphone C3	582	Dabo 2
480	African 5	532	Vibraphone D3	583	Xiaobo
481	African 6	533	Vibraphone E3	584	Xiaoluo
482	African 7	534	Vibraphone F3	585	Tenluo
483	African 8	535	Vibraphone G3	586	Penglin 1
484	African 9	536	Vibraphone A3	587	Dogluo
485	African 10	537	Vibraphone B3	Animal	
486	African 11	538	Vibraphone C4	588	Bird
487	African 12	539	Vibraphone D4	589	Cat
488	African 13	540	Vibraphone E4	590	Cock
489	African 14	541	Vibraphone F4	591	Cow
490	African 15	542	Vibraphone G4	592	Crow
491	African 16	543	Vibraphone A4	593	Dog
492	African 17	544	Vibraphone B4	594	Elephant
493	Marimba C3	545	Vibraphone C5	595	Goat
494	Marimba D3	546	Vibraphone D5	596	Horse
495	Marimba E3	547	Vibraphone E5	597	Lion
496	Marimba F3	548	Vibraphone F5	598	Tiger
497	Marimba G3	549	Vibraphone G5	599	Wolf
498	Marimba A3	550	Vibraphone A5	600	Mute
499	Marimba B3	551	Vibraphone B5		
500	Marimba C4	552	Vibraphone C6		
501	Marimba D4	553	Orchestra Timp C2		
502	Marimba E4	554	Orchestra Timp D2		
503	Marimba F4	555	Orchestra Timp E2		
504	Marimba G4	556	Orchestra Timp F2		
505	Marimba Ab4	557	Orchestra Timp G2		
506	Marimba A4	558	Orchestra Timp A2		
507	Marimba B4	559	Orchestra Timp C3		
508	Marimba C5	560	Orchestra Timp D3		
509	Marimba D5	561	Orchestra Timp F3		
510	Marimba E5	562	Orchestra Timp A3		

Drum Kit List

No.	Preset Kit Name
1	Standard 1
2	Collector 1
3	Brush 1
4	Funk 1
5	Vintage 1
6	Orchest
7	JazLatin
8	808 1
9	909 1
10	Rock 2
11	Custom
12	Rock 1
13	Acoustic 1
14	Fusion 1
15	Collector 2
16	Standard 2
17	Electric 1
18	Power
19	Fusion 2
20	Brush 2
21	Fusion 3
22	Vintage 2
23	Pop 1
24	Standard 3
25	Live 1
26	Acoustic 2
27	Chinese 1
28	Electric 2
29	Rock 4
30	Chinese 2
31	Ballad 1
32	Live 2
33	Room 1
34	Pop 2
35	Jazz 1
36	Animal
37	Live 3
38	Standard 4
39	HardRock
40	Ballad 2
41	Acoustic 3
42	Funk 2
43	Standard 5
44	JazBrush
45	Dacne 2
46	Rock 5
47	Jazz 2
48	808 2
49	909 2
50	Latin
51	Room 2

52	Percuss1
53	Metal
54	Vibraph
55	Electric 3
56	Reggae
57	Fusion 4
58	DrumBass
59	Pop 3
60	Brush 3
61	World
62	Ska
63	Songo
64	Lo_Fi
65	1970's
66	HipHop
67	Big Band
68	OldSch
69	R&B
70	Magic
71	Live 4
72	House
73	Standard 6
74	Percuss2
75	Teckno
76	Vintage 3
77	Junkyard
78	Noise
79	Studio 1
80	Studio 2
User Kit	
U01	Collector 1
U02	Brush 1
U03	Custom
U04	Standard 1
U05	Rock 1
U06	Standard 4
U07	HardRock
U08	Ballad 2
U09	Acoustic 3
U10	Funk 2

Song List

No.	Name
1	R&B1
2	Funk1
3	MediumSwing
4	FastSwing
5	EleDance
6	Disco1
7	Trance1
8	Hiphop1
9	Punk1
10	Punk2
11	HcRock
12	PopRock
13	Bossa1
14	Salsa1
15	Reggae1
16	Mambo1
17	R&B Pop
18	DancePop1
19	DancePop2
20	ElePop
21	BluesFnk
22	NuJazzFnk
23	Funk2
24	Funk3
25	Funk4
26	Funk5
27	PopFunk1
28	PopFunk2
29	RetroFunk
30	Fusion1
31	Fusion2
32	Fusion3
33	Fusion4
34	Fusion5
35	Fusion6
36	CoolJazz
37	BigBand1
38	BigBand2
39	BigBand3
40	BigBand4
41	Swing
42	Bebop
43	3/4Jazz
44	Jazz
45	LtnJazz1
46	LtnJazz2
47	Dance1
48	DiscoHs
49	Trance2
50	TripHop

51	D'N'B1
52	BrkBeat1
53	DancFunk
54	HipHop
55	Dance2
56	D'N'B2
57	D'N'B3
58	BrkBeat2
59	ClassRk
60	HeavyRk
61	RkBallad
62	R'N'R
63	Punk3
64	Rock
65	80sMetal
66	Shuffle
67	60s Rock
68	Samba1
69	Bossa2
70	Salsa2
71	Ska
72	Reggae2
73	Reggae3
74	Reggae4
75	LtnRock1
76	LtnRock2
77	Mambo2
78	Samba2
79	LtnPop
80	GtrBossa
81	LtnDance1
82	LtnDance2
83	Fusion7
84	R&B2
85	JazzyFnk
86	Blues
87	Country
88	CtryPop
89	CtryBlues
90	Ballad
91	Britpop
92	8Beat Pop
93	60'sPop
94	8Beat1
95	8Beat2
96	8BeatBallad1
97	8BeatBallad2
98	16BeatBallad1
99	16BeatBallad2
100	World
101	BgBand5

102	LtnJazz3
103	Reggae5
104	Latin
105	Boogie
106	Disco2
107	Metal
108	HardRock
109	8Beat3
110	Funk6

GM Backing Sound List

PIANO	
1	Acoustic Grand Piano
2	Bright Acoustic Piano
3	Electric Grand Piano
4	Honky-Tonk Piano
5	E.Piano 1
6	E.Piano 2
7	Harpsichord
8	Clavi
MALLET	
9	Celesta
10	Glockenspiel
11	Music Box
12	Vibraphone
13	Marimba
14	Xylophone
15	Tubular Bells
16	Dulcimer
ORGAN	
17	Drawbar Organ
18	Percussive Organ
19	Rock Organ
20	Church Organ
21	Reed Organ
22	Accordion
23	Harmonica
24	Tango Accordion
GUITAR	
25	Nylon Guitar
26	Steel Guitar
27	Jazz Guitar
28	Clean Guitar
29	Muted Guitar
30	Overdriven Guitar
31	Distortion Guitar
32	Guitar Harmonics
BASS	
33	Acoustic Bass
34	Finger Bass
35	Pick Bass
36	Fretless Bass
37	Slap Bass 1
38	Slap Bass 2
39	Synth Bass 1
40	Synth Bass 2
STRINGS	
41	Violin
42	Viola
43	Cello
44	Contrabass
45	Tremolo Strings
46	Pizzicato Strings

47	Orchestral Harp
48	Timpani
STRINGS ENSEMBLE	
49	Strings Ensemble 1
50	Strings Ensemble 2
51	Synth Strings 1
52	Synth Strings 2
53	Choir Aahs
54	Voice Ooohs
55	Synth Voice
56	Orchestra Hit
BRASS	
57	Trumpet
58	Trombone
59	Tuba
60	Muted Trumpet
61	French Horn
62	Brass Section
63	Synth Brass 1
64	Synth Brass 2
REED	
65	Soprano Sax
66	Alto Sax
67	Tenor Sax
68	Baritone Sax
69	Oboe
70	English Horn
71	Bassoon
72	Clarinet
PIPE	
73	Piccolo
74	Flute
75	Recorder
76	Pan Flute
77	Blown Bottle
78	Shakuhachi
79	Whistle
80	Ocarina
LEAD	
81	Lead1 (Square)
82	Lead2 (Sawtooth)
83	Lead3 (Calliope)
84	Lead4 (Chiff)
85	Lead5 (Charang)
86	Lead6 (Voice)
87	Lead7 (Fifths)
88	Lead8 (Bass & Lead)
PAD	
89	Pad1 (Newage)
90	Pad2 (Warm)
91	Pad3 (Polysynth)
92	Pad4 (Choir)

93	Pad5 (Bowed)
94	Pad6 (Metallic)
95	Pad7 (Halo)
96	Pad8 (Sweep)
EFFECTS	
97	FX1 (Rain)
98	FX2 (Soundtrack)
99	FX3 (Crystal)
100	FX4 (Atmosphere)
101	FX5 (Brightness)
102	FX6 (Goblins)
103	FX7 (Echoes)
104	FX8 (Sci-fi)
ETHNIC	
105	Sitar
106	Banjo
107	Shamisen
108	Koto
109	Kalimba
110	Bagpipe
111	Fiddle
112	Shanai
PERCUSSIVE	
113	Tinkle Bell
114	Agogo
115	Steel Drums
116	Wood Block
117	Taiko Drum
118	Melodic Tom
119	Synth Drum
120	Reverse Cymbal
SOUND EFFECTS	
121	Guitar Fret Noise
122	Breath Noise
123	Seashore
124	Bird Tweet
125	Telephone Ring
126	Helicopter
127	Applause
128	Gunshot

GM Drum Kit List

	Standard Set	Room Set	Jazz Set	Rock Set
Note#	PC# 00	PC# 04	PC# 08	PC# 16
Eb1[27]	High Q	<-	<-	<-
E 1[28]	Slap	<-	<-	<-
F 1[29]	Scratch Push	<-	<-	<-
F#1[30]	Scratch Pull	<-	<-	<-
G 1[31]	Sticks	<-	<-	<-
G#1[32]	Square Click	<-	<-	<-
A 1[33]	Metronome Click	<-	<-	<-
Bb1[34]	Metronome Bell	<-	<-	<-
B 1[35]	Acoustic Bass Drum	<-	<-	<-
C 2[36]	Bass Drum	Room Kick	Jazz Kick	Rock Kick Drum
C#2[37]	Side Stick	<-	<-	<-
D 2[38]	Acoustic Snare	Room Snare 1	Jazz Snare 1	Rock Snare Drum1
Eb2[39]	Hand Clap	<-	<-	<-
E 2[40]	Electric Snare	Room Snare 2	Jazz Snare 2	Rock Snare Drum2
F 2[41]	Low Floor Tom	Room Low Floor	Jazz Low Floor	Rock Low Floor
F#2[42]	Closed Hi-hat	<-	<-	<-
G 2[43]	High Floor Tom	Room High Floor Tom	Jazz High Floor Tom	Rock High Floor Tom
G#2[44]	Pedal Hi-hat	<-	<-	<-
A 2[45]	Low Tom	Room Low Tom	Jazz Low Tom	Rock Low Tom
Bb2[46]	Open Hi-hat	<-	<-	<-
B 2[47]	Low-Mid Tom	Room Low-Mid Tom	Jazz Low-Mid Tom	Rock Low-Mid Tom
C 3[48]	High Mid Tom	Room High Mid Tom	Jazz High Mid Tom	Rock High Mid Tom
C#3[49]	Crash Cymbal 1	<-	<-	<-
D 3[50]	High Tom	Room High Tom	Jazz High Tom	Rock High Tom
Eb3[51]	Ride Cymbal 1	<-	<-	<-
E 3[52]	China Cymbal	<-	<-	<-
F 3[53]	Ride Bell	<-	<-	<-
F#3[54]	Tambourine	<-	<-	<-
G 3[55]	Splash Cymbal	<-	<-	<-
G#3[56]	Cowbell	<-	<-	<-
A 3[57]	Crash Cymbal 2	<-	<-	<-
Bb3[58]	Vibra-slap	<-	<-	<-
B 3[59]	Ride Cymbal 2	<-	<-	<-
C 4[60]	High Bongo	<-	<-	<-
C#4[61]	Low Bongo	<-	<-	<-
D 4[62]	Mute Hi Conga	<-	<-	<-
Eb4[63]	Open Hi Conga	<-	<-	<-
E 4[64]	Low Conga	<-	<-	<-
F 4[65]	High Timbale	<-	<-	<-
F#4[66]	Low Timbale	<-	<-	<-
G 4[67]	High Agogo	<-	<-	<-
G#4[68]	Low Agogo	<-	<-	<-
A 4[69]	Cabasa	<-	<-	<-
Bb4[70]	Maracas	<-	<-	<-
B 4[71]	Short Whistle	<-	<-	<-
C 5[72]	Long Whistle	<-	<-	<-
C#5[73]	Short Guiro	<-	<-	<-
D 5[74]	Long Guiro	<-	<-	<-
Eb5[75]	Claves	<-	<-	<-
E 5[76]	Hi Wood Block	<-	<-	<-
F 5[77]	LowWood Block	<-	<-	<-
F#5[78]	Mute Cuica	<-	<-	<-
G 5[79]	Open Cuica	<-	<-	<-
G#5[80]	Mute Triangle	<-	<-	<-
A 5[81]	Open Triangle	<-	<-	<-
Bb5[82]	Shaker	<-	<-	<-
B 5[83]	Jingle Bell	<-	<-	<-
C 6[84]	Bell Tree	<-	<-	<-
C#6[85]	Castanets	<-	<-	<-
D 6[86]	Mute Surdo	<-	<-	<-
Eb6[87]	Open Surdo	<-	<-	<-

GM Drum Kit List

Note#	Electric Set	Analog Set	Brush Set
Note#	PC# 24	PC# 25	PC# 40
Eb1[27]	<-	<-	<-
E 1[28]	<-	<-	<-
F 1[29]	<-	<-	<-
F#1[30]	<-	<-	<-
G 1[31]	<-	<-	<-
G#1[32]	<-	<-	<-
A 1[33]	<-	<-	<-
Bb1[34]	<-	<-	<-
B 1[35]	<-	<-	<-
C 2[36]	Electric Bass Drum	Analog Bass Drum	Brush Kick
C#2[37]	<-	Analog Rim Shot	<-
D 2[38]	Electric Snare 1	Analog Snare 1	Brush Tap
Eb2[39]	<-	Analog Clap	<-
E 2[40]	Electric Snare 2	Analog Snare 2	Brush Slap
F 2[41]	Electric Low Floor	Analog Low Floor	Brush Low Floor
F#2[42]	<-	Analog Closed Hi-hat	<-
G 2[43]	Electric High Floor Tom	Analog High Floor Tom	Brush High Floor Tom
G#2[44]	<-	Analog Pedal Hi-hat	<-
A 2[45]	Electric Low Tom	Analog Low Tom	Brush Low Tom
Bb2[46]	<-	Analog Open Hi-hat	<-
B 2[47]	Electric Low-Mid Tom	Analog Low-Mid Tom	Brush Low-Mid Tom
C 3[48]	Electric High Mid Tom	Analog High Mid Tom	Brush High Mid Tom
C#3[49]	<-	Analog Cymbal	<-
D 3[50]	Electric High Tom	Analog High Tom	Brush High Tom
Eb3[51]	<-	<-	<-
E 3[52]	<-	<-	<-
F 3[53]	<-	<-	<-
F#3[54]	<-	<-	<-
G 3[55]	<-	<-	<-
G#3[56]	<-	<-	<-
A 3[57]	<-	<-	<-
Bb3[58]	<-	<-	<-
B 3[59]	<-	<-	<-
C 4[60]	<-	<-	<-
C#4[61]	<-	<-	<-
D 4[62]	<-	<-	<-
Eb4[63]	<-	<-	<-
E 4[64]	<-	<-	<-
F 4[65]	<-	<-	<-
F#4[66]	<-	<-	<-
G 4[67]	<-	<-	<-
G#4[68]	<-	<-	<-
A 4[69]	<-	<-	<-
Bb4[70]	<-	<-	<-
B 4[71]	<-	<-	<-
C 5[72]	<-	<-	<-
C#5[73]	<-	<-	<-
D 5[74]	<-	<-	<-
Eb5[75]	<-	<-	<-
E 5[76]	<-	<-	<-
F 5[77]	<-	<-	<-
F#5[78]	<-	<-	<-
G 5[79]	<-	<-	<-
G#5[80]	<-	<-	<-
A 5[81]	<-	<-	<-
Bb5[82]	<-	<-	<-
B 5[83]	<-	<-	<-
C 6[84]	<-	<-	<-
C#6[85]	<-	<-	<-
D 6[86]	<-	<-	<-
Eb6[87]	<-	<-	<-

MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	10ch x	1-16ch x	
Mode	Default Messages Altered	x x *****	x x *****	
Note Number	Note True Voice	0-127 *****	0-127 0-127	
Velocity	Note On Note Off	o 9nH, V=1-127 o (9nH, V=0)	1-127 0-127	
After Touch	key's Channel	x x	x x	
Pitch Bend		x	o	
Control Change	0 1 5 6 7 10 11 64 65 66 67 80 81 91 93 120 121 123	x x x x x x x x x x x x x x x x x x x	o o o o o o o o o o o o o o o o o o	Bank Select Modulation Portamento Time Data Entry Volume Pan Expression Sustain Pedal Portamento On/Off Sostenuto Pedal Soft Pedal Reverb Program Chorus Program Reverb Level Chorus Level All Sound Off Reset All Controllers All Notes Off
Program Change		x	o	
System Exclusive		x	o	
System Common	Song Position Song Select Tune Request	x x x	x x x	
System Real Time	Clock Commands	x o	x x	Start/Stop
Aux Messages	Local On/Off All Notes Off Active Sensing System Reset	x x o x	x x x x	

Notes

o: Yes

x: No



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