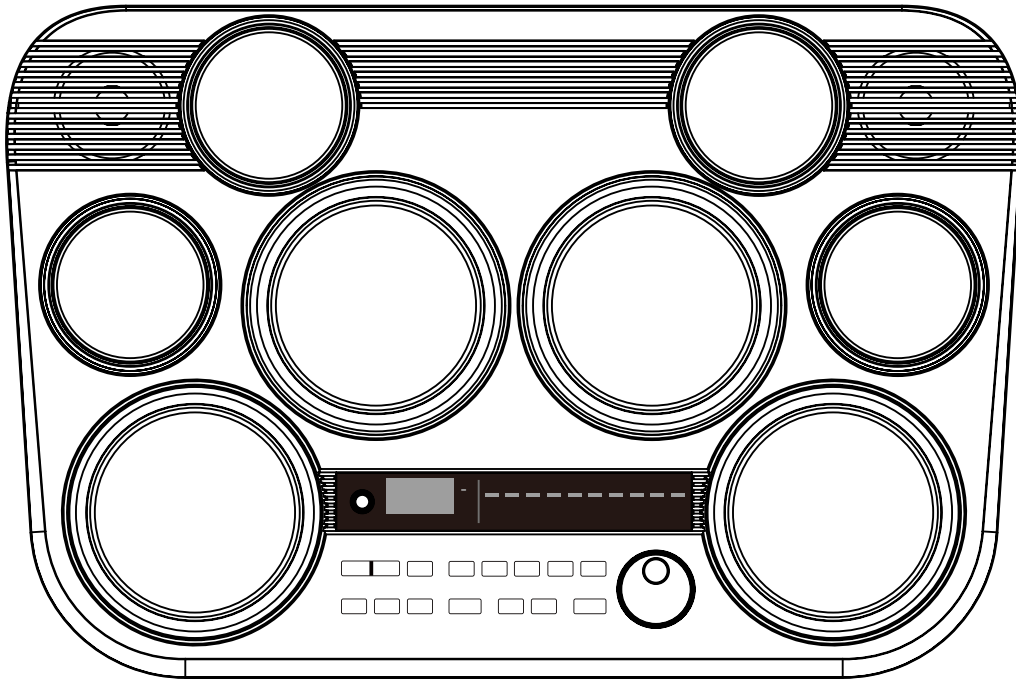


MEDELI



DD325

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.

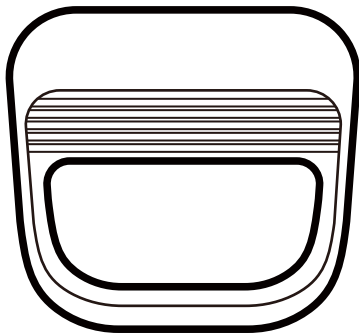
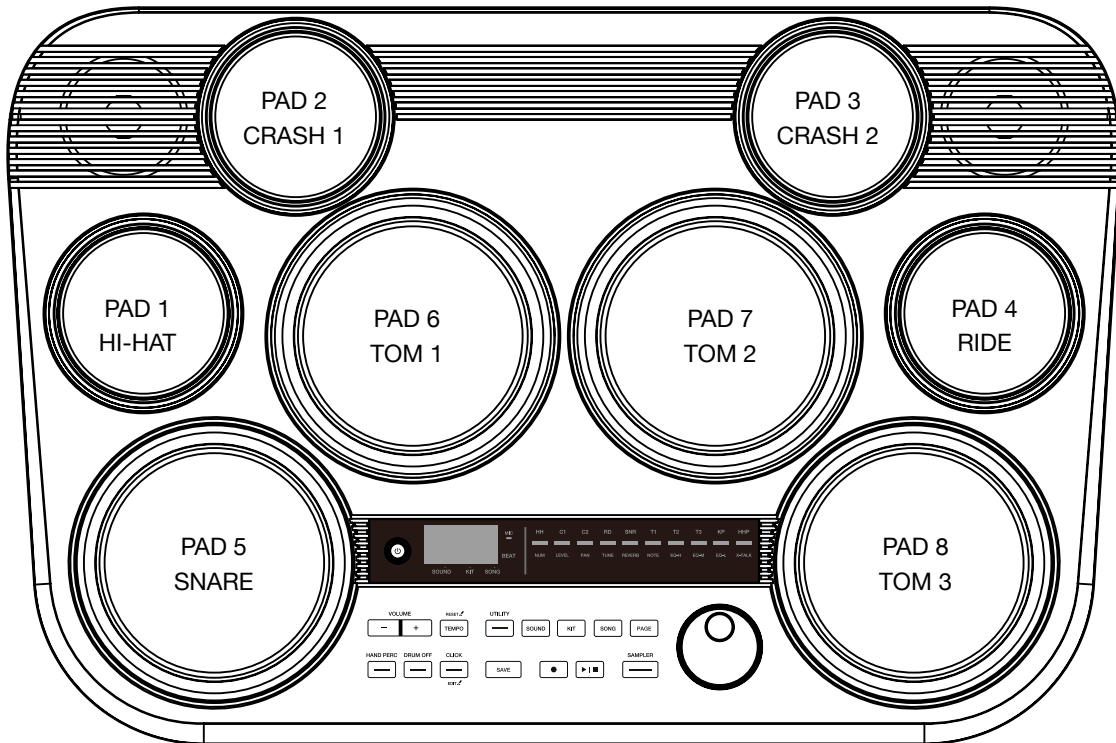
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Main Features

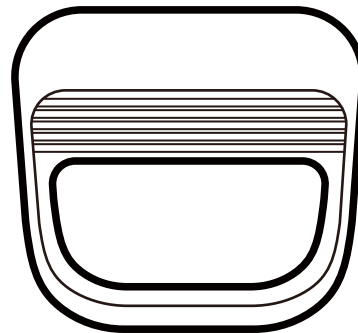
- **Mesh Head Drum Pads** - Delivering a quiet, natural feel with an exceptional stick response.
- **Sampler** - Record your own sounds to play from the pads via the built-in microphone or AUX IN.
- **Sound** - High quality, expressive acoustic and electronic drum & percussion sounds from around the 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)



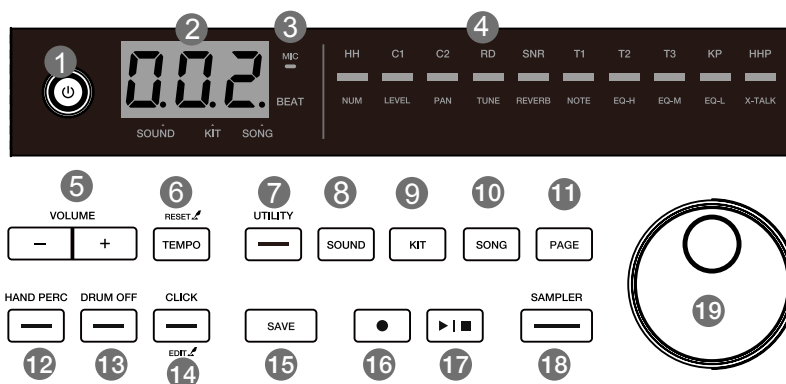
HI-HAT PEDAL



KICK PEDAL

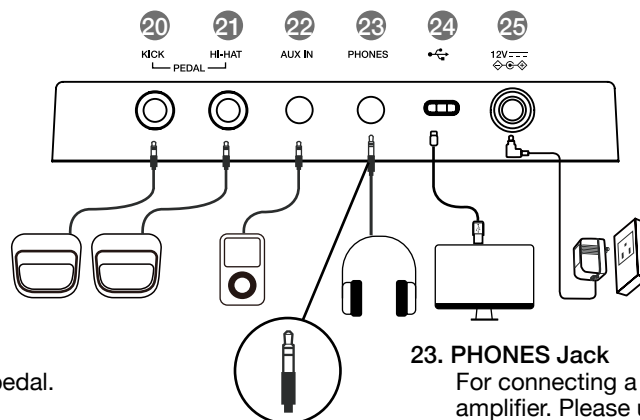
Panel & Display Description

Front Panel



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

Rear Panel



20. **KICK PEDAL Jack**
For connecting the Kick pedal.
21. **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.
22. **AUX IN Jack**
For connecting external audio player, such as an MP3.
23. **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.
24. **USB Jack**
For connecting to a computer or a portable power bank.
25. **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 supports 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

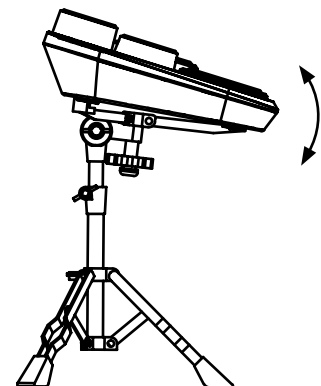
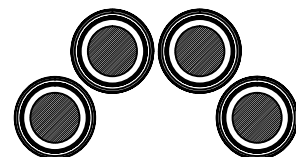
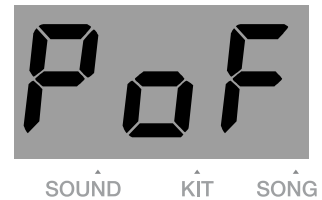
Press the [POWER] button to turn off the module. The display turns off.

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 Mesh Head Pad

1. When playing the mesh 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 mesh 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.



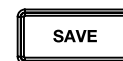
Notes:

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.

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









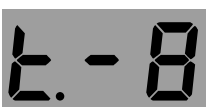


Saving a User Kit

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.

Sub-menu	Display	Range	Description
Num	 	1 ~ 665, U01~U10	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 number.
Song Vol		0~32	Adjust the song volume.
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.



CLICK



EDIT ↗



The First Beat

BEAT



Other Beats

BEAT

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.

DRUM OFF



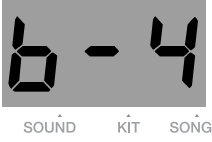



Turning the Click On or Off

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 (40 ~ 240). 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.



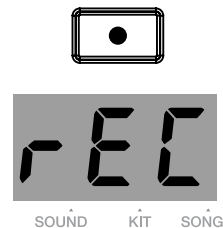
Note:






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.



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		1-9	Click Beats: Available only when the Song sub-menu is set to "---".
Tempo		40-240	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

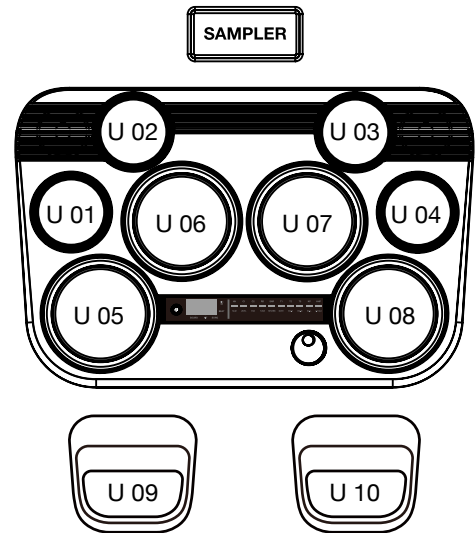
1. In Record mode, press the [PLAY/STOP] button or strike a pad to start recording. The display shows the measure counts of recording. The dots on the display blink according to the selected tempo and beat. During recording, the [RECORD] and the [PLAY/STOP] button indicators stay lit.
2. Press the [PLAY/STOP]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

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.

Sampler Mode

1. Press the [SAMPLER] button to turn on the sampler. The button indicator lights up. The [PLAY/STOP] button indicator blinks.
2. When turning on the sampler, it will go to Playback mode by default. If you are playing the click/song, it will turn off the click/song function and mute the sound.
3. In Playback mode, each pad corresponds to one user sound slot. If the user sound slot has data, the corresponding pad indicator will turn on. If the user sound slot is blank, the pad indicator is off.
4. Strike the pad you want to select to save your sampled sound. The display shows the corresponding user sound number. For example, when you strike PAD1, the display shows "U01". The selected pad indicator will blink slowly. If there's user sound data on this pad, it will play the user sound.
5. Press the [PAGE] button in Sampler mode to enter Noise Gate page. This parameter can adjust when the sampling starts depending on how loud the sound source is. The higher the value, the louder the sound source needs to be to cross the "gate" threshold to start the sampling. For example, H00 will start sampling when you press the START button, and H08 will need a very loud sound to start the sampling.



Start Sampling

1. After selecting a pad in Playback mode, you can press the [PLAY/STOP] button to start sampling.
NOTE: Sampling starts as soon as the flashing [PLAY/STOP] button is pressed.
2. During sampling, the [PLAY/START] button stays lit. The display shows "---". When sampling stops, it will automatically go back to the Playback mode.
3. To assign the sampled sound to a USER KIT, see "SAVING A USER KIT" on page 8.

Notes:

1. The sampling rate is 32K, 16 bit, mono. Each sample can record up to 3 seconds.
2. When the AUX IN jack is plugged in, it will automatically select the AUX IN device as the sampling source. When the AUX IN jack is unplugged, it will use the built-in microphone as the sampling source.

Sub-menu	Display
Playback	
Sampling	
Noise Gate	

Utility Settings

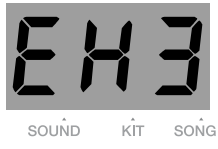
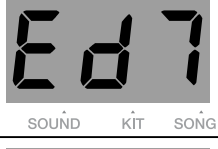
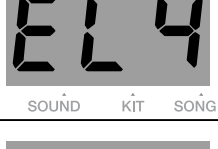
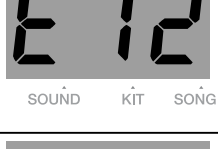
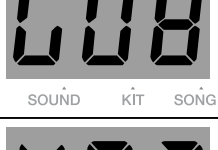
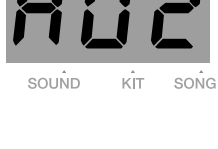
In Utility Settings, you can set the global EQ and trigger parameters.
 Global EQ: the 3-band EQ can adjust separately the bass (100Hz), the mid range (500~3KHz) and the treble (12KHz), in the adjustable range of -6dB~+6dB.
 Trigger parameters: adjust the crosstalk, gain and threshold for a pad.

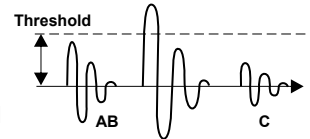


1. Press the [UTILITY] button to enter the Utility menu. The display shows the parameter of the current sub-menu.
2. Use the data dial to adjust the parameter. Press the [PAGE] button to change the sub-menu.

Utility Settings

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.



Notes:

- 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.
- Hold [UTILITY] + [SAVE] buttons and turn on the power, the utility settings, song number and master volume will be reset to the default settings.

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:

- 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.
- When you change the sub-menu, the corresponding sub-menu indicator will turn on and stay lit.
- When you strike a drum pad, the corresponding pad indicator will blink.
- 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 suit for hand practice.

HAND PERC



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.

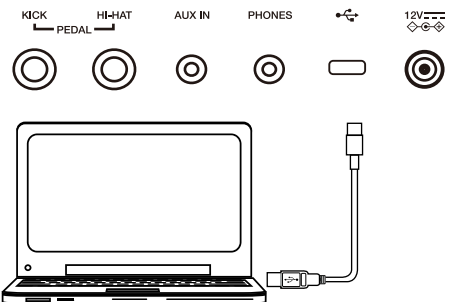
Connecting to Computer

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”.

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	665 preset
Drum Kits	80 preset + 10 user
Songs	110 preset + 5 user
Control Buttons	POWER, VOLUME +/-, TEMPO, UTILITY, SOUND, KIT, SONG, PAGE, HAND PERC, DRUM OFF, CLICK, SAVE, RECORD, PLAY/STOP, SAMPLER
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
52	Techno Kick
53	Electronic Kick 2
SNARE	
54	Collector Snare 1
55	Collector Snare Rim
56	Collector Snare Stick
57	Custom Snare 1
58	Custom Snare Rim
59	Custom Snare Stick
60	14" Standard Snare 1
61	14" Standard Snare 1 Rim
62	14" Standard Snare 1 Stick
63	14" Rock Snare 1
64	14" Rock Snare Rim
65	14" Rock Snare Stick
66	14" Acoustic Snare
67	14" Acoustic Snare Rim
68	14" Acoustic Snare Stick
69	Funk Snare 1 Rim
70	Funk Snare 1 Stick
71	Jazz Snare
72	Jazz Snare Rim
73	Jazz Snare Stick
74	Room Snare
75	Room Snare Rim
76	Room Snare Stick 1
77	Fusion Snare 1
78	Fusion Snare Rim
79	Fusion Snare Stick 1
80	Real Brush Snare 1
81	Real Brush Snare 2
82	Real Brush Snare Rim
83	Real Brush Snare Stick
84	Brush Swirl 1
85	14" Standard Snare 2
86	14" Standard Snare 2 Rim
87	14" Standard Snare 2 Stick
88	Funk Snare 2
89	Funk Snare 2 Rim
90	Funk Snare 2 Stick
91	Brush Snare 2
92	Brush Snare 2 Rim
93	Brush Snare 2 Stick
94	Vintage Snare 1
95	Vintage Snare Rim
96	Vintage Snare Stick
97	Live Snare 1
98	Live Snare Rim
99	Live Snare Stick 1
100	Old School Snare 1
101	Old School Snare Rim

102	Old School Snare Stick
103	Orchestra Snare 1
104	Orchestra Snare Rim 1
105	Reggae Snare 1
106	Reggae Snare Rim
107	808 Snare 1
108	808 Snare Rim
109	808 Snare Clap
110	909 Snare 1
111	909 Snare Rim
112	909 Snare Clap
113	EDM Snare 1
114	EDM Snare 2
115	EDM Clap
116	Techno Snare 1
117	Techno Snare Rim 1
118	Techno Snare Stick
119	House Snare 1
120	House Snare Rim
121	House Snare Stick
122	Junkyard Snare 1
123	Junkyard Snare Rim
124	Junkyard Snare Stick
125	Lo-Fi Snare 1
126	Lo-Fi Snare Rim
127	Lo-Fi Snare Stick
128	Noise Snare 1
129	Noise Snare Rim
130	Noise Snare Stick
131	Magic Snare 1
132	Magic Snare Rim
133	R&B Snare
134	R&B Snare Rim
135	Dance Snare 1
136	Dance Snare Rim
137	Electronic Snare 1
138	Electronic Snare Rim
139	Dubstep Snare 2
140	Voice Snare
141	HipHop Snare
142	Power Snare 1
143	14" Acoustic Snare
144	14" Standard Snare
145	14" Funk Snare
146	Brush Snare
147	14" Jazz Snare
148	14" Rock Snare 2
149	13" Damped Snare
150	Orchestra Snare
151	Orchestra Snare Rim
152	Room Snare

Drum Sound List

153	Fusion Snare
154	Big Band Snare
155	Vintage Snare
156	Live Snare
157	Reggae Snare
158	R&B Snare 1
159	808 Snare
160	909 Snare
161	R&B Snare 2
162	Electronic Snare
163	Power Snare
164	Dance Snare
165	Old School Snare
166	House Snare
167	Lo-Fi Snare
168	Junkyard Snare
169	Noise Snare
170	Drum & Bass Snare
171	Techno Snare
172	Techno Snare Rim
173	Magic Snare
174	Acoustic Snare Stick
175	Standard Snare Stick
176	Brush Snare Stick
177	Rock Snare Stick
178	Live Snare Stick
179	Room Snare Stick
180	Fusion Snare Stick
181	Brush Swirl
Tom	
182	Collector Tom 1
183	Collector Tom 2
184	Collector Tom 3
185	Collector Tom 4
186	Custom Tom 1
187	Custom Tom 2
188	Custom Tom 3
189	Custom Tom 4
190	Real Brush Tom 1
191	Real Brush Tom 2
192	Real Brush Tom 3
193	Real Brush Tom 4
194	Real Brush Tom 5
195	Real Brush Tom 6
196	Standard Tom 1
197	Standard Tom 2
198	Standard Tom 3
199	Standard Tom 4
200	Standard Tom 5
201	Standard Tom 6
202	Rock Tom 1
203	Rock Tom 2

204	Rock Tom 3
205	Rock Tom 4
206	Rock Tom 5
207	Rock Tom 6
208	Acoustic 1 Tom 1
209	Acoustic 1 Tom 2
210	Acoustic 1 Tom 3
211	Acoustic 1 Tom 4
212	Acoustic 1 Tom 5
213	Acoustic 1 Tom 6
214	Funk Tom 1
215	Funk Tom 2
216	Funk Tom 3
217	Funk Tom 4
218	Funk Tom 5
219	Funk Tom 6
220	Fusion Tom 1
221	Fusion Tom 2
222	Fusion Tom 3
223	Fusion Tom 4
224	Fusion Tom 5
225	Fusion Tom 6
226	808 Tom 1
227	808 Tom 2
228	808 Tom 3
229	808 Tom 4
230	808 Tom 5
231	808 Tom 6
232	909 Tom 1
233	909 Tom 2
234	909 Tom 3
235	909 Tom 4
236	909 Tom 5
237	909 Tom 6
238	910 Tom 5
239	910 Tom 6
240	EDM Tom 1
241	EDM Tom 2
242	EDM Tom 3
243	EDM Tom 4
244	Acoustic Tom 1
245	Acoustic Tom 2
246	Acoustic Tom 3
247	Acoustic Tom 4
248	Acoustic Tom 5
249	Acoustic Tom 6
250	Brush Tom 1
251	Brush Tom 2
252	Brush Tom 3
253	Brush Tom 4
254	Brush Tom 5
255	Brush Tom 6

256	Jazz Tom 1
257	Jazz Tom 2
258	Jazz Tom 3
259	Jazz Tom 4
260	Jazz Tom 5
261	Jazz Tom 6
262	808 1 Tom 1
263	808 1 Tom 2
264	808 1 Tom 3
265	808 1 Tom 4
266	808 1 Tom 5
267	808 1 Tom 6
268	909 1 Tom 1
269	909 1 Tom 2
270	909 1 Tom 3
271	909 1 Tom 4
272	909 1 Tom 5
273	909 1 Tom 6
274	Electronic Tom 1
275	Electronic Tom 2
276	Electronic Tom 3
277	Electronic Tom 4
278	Electronic Tom 5
279	Electronic Tom 6
280	Power Tom 1
281	Power Tom 2
282	Power Tom 3
283	Power Tom 4
284	Power Tom 5
285	Power Tom 6
286	Lo-Fi Tom 1
287	Lo-Fi Tom 2
288	Lo-Fi Tom 3
289	Lo-Fi Tom 4
290	Lo-Fi Tom 5
291	Lo-Fi Tom 6
292	Junkyard Tom 1
293	Junkyard Tom 2
294	Junkyard Tom 3
295	Junkyard Tom 4
296	Junkyard Tom 5
297	Junkyard Tom 6
298	Noise Tom 1
299	Noise Tom 2
300	Noise Tom 3
301	Noise Tom 4
302	Noise Tom 5
303	Noise Tom 6
304	Techno Tom 1
305	Techno Tom 2
306	Techno Tom 3
307	Techno Tom 4

Drum Sound List

308	Techno Tom 5
309	Techno Tom 6
310	Magic Tom 1
311	Magic Tom 2
312	Magic Tom 3
313	Magic Tom 4
Ride	
314	20" Classic Ride
315	20" Classic Ride Edge
316	20" Classic Ride Bell
317	808 1 Ride
318	909 Ride
319	20" Funk Ride
320	808 Ride
321	Ride
322	House Ride
323	Lo-Fi Ride
324	Junkyard Ride
325	Noise Ride
Crash	
326	16" Classic Crash
327	16" Classic Crash Edge
328	18" Custom Crash
329	18" Custom Crash Edge
330	808 1 Crash
331	909Crash
332	EDM Crash 1
333	EDM Crash 2
334	16" Acoustic Crash
335	16" Acoustic Crash Edge
336	16" Rock Crash
337	16" Rock Crash Edge
338	808Crash
339	909Crash
340	Electronic Crash
341	Brush Crash
342	Lo-Fi Crash
343	China
344	Splash
Hihat	
345	14" Acoustic Hi-hat Close
346	14" Acoustic Hi-hat Open
347	14" Acoustic Hi-hat Edge Close
348	14" Acoustic Hi-hat Edge Open
349	14" Acoustic Hi-hat Pedal
350	14" Acoustic Hi-hat Splash
351	Rock Hi-hat Close
352	Rock Hi-hat Open
353	Fusion Hi-hat Close
354	Fusion Hi-hat Open
355	14" Classic Hi-hat Close
356	14" Classic Hi-hat Open

357	14" Classic Hi-hat Pedal
358	14" Classic Hi-hat Splash
359	14" Custom Hi-hat Close
360	14" Custom Hi-hat Open
361	14" Custom Hi-hat Pedal
362	14" Custom Hi-hat Splash
363	Brush Hi-hat Close
364	Brush Hi-hat Open
365	Brush Hi-hat Pedal
366	Brush Hi-hat Splash
367	14" Standard Hi-hat Close
368	14" Standard Hi-hat Open
369	14" Standard Hi-hat Pedal
370	14" Standard Hi-hat Splash
371	14" Rock Hi-hat Close
372	14" Rock Hi-hat Open
373	14" Rock Hi-hat Pedal
374	14" Rock Hi-hat Splash
375	14" Acoustic Hi-hat Close
376	14" Acoustic Hi-hat Open
377	14" Acoustic Hi-hat Pedal
378	14" Acoustic Hi-hat Splash
379	14" Funk Hi-hat Close
380	14" Funk Hi-hat Open
381	14" Funk Hi-hat Pedal
382	14" Funk Hi-hat Splash
383	808 Hi-hat Close
384	808 Hi-hat Open
385	808 Hi-hat Pedal
386	808 Hi-hat Splash
387	909 Hi-hat Close
388	909 Hi-hat Open
389	909 Hi-hat Pedal
390	909 Hi-hat Splash
391	Dance Hi-hat Close
392	Dance Hi-hat Open
393	Dance Hi-hat Pedal
394	Dance Hi-hat Splash
395	EDM_Hi-hat Close
396	EDM_Hi-hat Open
397	EDM_Hi-hat Pedal
398	Lo-Fi Hi-hat Close
399	Lo-Fi Hi-hat Open
400	Lo-Fi Hi-hat Edge
401	Lo-Fi Hi-hat Pedal
402	Lo-Fi Hi-hat Splash
PERCUSSION	
403	808 Claves
404	808 CowBell
405	808 HiConga
406	808 MidConga
407	808 LowConga

408	808 Maracas
409	Taiko Drum
410	Maracas
411	Sticks
412	Metronome Bell
413	Vibra-slap 1
414	Vibra-slap 2
415	Vibra-slap 3
416	Synthesis Percussion 1
417	Synthesis Percussion 2
418	Vibra-slap
419	High Q 1
420	High Q 2
421	Low Q 1
422	Low Q 2
423	Mute Hi Conga 1
424	Mute Hi Conga 2
425	Open Hi Conga 1
426	Open Hi Conga 2
427	Low Conga
428	High Bongo
429	Low Bongo
430	High Timbale 1
431	High Timbale 2
432	High Timbale 3
433	High Timbale 4
434	High Timbale 5
435	Low Timbale 1
436	Low Timbale 2
437	Low Timbale 2 Rim
438	Low Timbale 3
439	Low Timbale 4
440	High Agogo
441	Low Agogo
442	Claves 1
443	Claves 2
444	Jingle Bell 1
445	Jingle Bell 2
446	Cowbell
447	Bell Tree 1
448	Bell Tree 2
449	Tambourine 1
450	Tambourine 2
451	Cabasa
452	Long Guiro
453	Short Guiro
454	Wood Hi
455	Wood Low
456	Cuica Mute
457	Cuica Open
458	Triangle Mute
459	Triangle Open

Drum Sound List

460	Indian 1
461	Indian 2
462	Indian 3
463	Indian 4
464	Indian 5
465	Indian 6
466	Indian 7
467	Indian 8
468	Indian 9
469	Indian 10
470	Indian 11
471	Indian 12
472	Indian 13
473	Indian 14
474	Indian 15
475	Indian 16
476	African 1
477	African 2
478	African 3
479	African 4
480	African 5
481	African 6
482	African 7
483	African 8
484	African 9
485	African 10
486	African 11
487	African 12
488	African 13
489	African 14
490	African 15
491	African 16
492	African 17
493	Marimba C3
494	Marimba Db3
495	Marimba D3
496	Marimba Eb3
497	Marimba E3
498	Marimba F3
499	Marimba Gb3
500	Marimba G3
501	Marimba Ab3
502	Marimba A3
503	Marimba Bb3
504	Marimba B3
505	Marimba C4
506	Marimba Db4
507	Marimba D4
508	Marimba Eb4
509	Marimba E4
510	Marimba F4
511	Marimba Gb4

512	Marimba G4
513	Marimba Ab4
514	Marimba A4
515	Marimba Bb4
516	Marimba B4
517	Marimba C5
518	Marimba Db5
519	Marimba D5
520	Marimba Eb5
521	Marimba E5
522	Marimba F5
523	Marimba Gb5
524	Marimba G5
525	Marimba Ab5
526	Marimba A5
527	Marimba Bb5
528	Marimba B5
529	Marimba C6
530	Celesta C3
531	Celesta Db3
532	Celesta D3
533	Celesta Eb3
534	Celesta E3
535	Celesta F3
536	Celesta Gb3
537	Celesta G3
538	Celesta Ab3
539	Celesta A3
540	Celesta Bb3
541	Celesta B3
542	Celesta C4
543	Celesta Db4
544	Celesta D4
545	Celesta Eb4
546	Celesta E4
547	Celesta F4
548	Celesta Gb4
549	Celesta G4
550	Celesta Ab4
551	Celesta A4
552	Celesta Bb4
553	Celesta B4
554	Celesta C5
555	Celesta Db5
556	Celesta D5
557	Celesta Eb5
558	Celesta E5
559	Celesta F5
560	Celesta Gb5
561	Celesta G5
562	Celesta Ab5
563	Celesta A5

564	Celesta Bb5
565	Celesta B5
566	Celesta C6
567	Vibraphone C3
568	Vibraphone Db3
569	Vibraphone D3
570	Vibraphone Eb3
571	Vibraphone E3
572	Vibraphone F3
573	Vibraphone Gb3
574	Vibraphone G3
575	Vibraphone Ab3
576	Vibraphone A3
577	Vibraphone Bb3
578	Vibraphone B3
579	Vibraphone C4
580	Vibraphone Db4
581	Vibraphone D4
582	Vibraphone Eb4
583	Vibraphone E4
584	Vibraphone F4
585	Vibraphone Gb4
586	Vibraphone G4
587	Vibraphone Ab4
588	Vibraphone A4
589	Vibraphone Bb4
590	Vibraphone B4
591	Vibraphone C5
592	Vibraphone Db5
593	Vibraphone D5
594	Vibraphone Eb5
595	Vibraphone E5
596	Vibraphone F5
597	Vibraphone Gb5
598	Vibraphone G5
599	Vibraphone Ab5
600	Vibraphone A5
601	Vibraphone Bb5
602	Vibraphone B5
603	Vibraphone C6
604	Orchestra Timp C2
605	Orchestra Timp Db2
606	Orchestra Timp D2
607	Orchestra Timp Eb2
608	Orchestra Timp E2
609	Orchestra Timp F2
610	Orchestra Timp Gb2
611	Orchestra Timp G2
612	Orchestra Timp Ab2
613	Orchestra Timp A2
614	Orchestra Timp Bb2
615	Orchestra Timp B2

616	Orchestra Timp C3
617	Orchestra Timp Db3
618	Orchestra Timp D3
619	Orchestra Timp Eb3
620	Orchestra Timp E3
621	Orchestra Timp F3
622	Orchestra Timp Gb3
623	Orchestra Timp G3
624	Orchestra Timp Ab3
625	Orchestra Timp A3
626	Orchestra Timp Bb3
627	Orchestra Timp B3
628	Orchestra Timp C4
Chinese	
629	Dagu 1
630	Dagu 2
631	Zhu ban
632	Nan Bang
633	Damuyu
634	Xiaomuyu 1
635	Xiaomuyu 2
636	Xiaomuyu 3
637	Xiaomuyu 4
638	Paigu 1
639	Paigu 2
640	Paigu 3
641	Mangluo 1
642	Mangluo 2
643	Mangluo 3
644	Daluo 1
645	Daluo 2
646	Dabo 1
647	Dabo 2
648	Xiaobo
649	Xiaoluo
650	Tenluo
651	Penglin 1
652	Dogluo
Animal	
653	Bird
654	Cat
655	Cock
656	Cow
657	Crow
658	Dog
659	Elephant
660	Goat
661	Horse
662	Lion
663	Tiger
664	Wolf
665	Mute

Drum Kit List

No.	Preset Kit Name
1	Standard 1
2	Collector 1
3	Brush 1
4	Funk 1
5	Vintage 1
6	Orchestr
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	Techno
76	Vintage 3
77	Junkyard
78	Noise
79	Studio 1
80	Studio 2
User Kit	
81	Collector 1
82	Brush 1
83	Custom
84	Standard 1
85	Rock 1
86	Standard 4
87	HardRock
88	Ballad 2
89	Acoustic 3
90	Funk Band 2

Song List

No.	Name
1	R&B1
2	Funk1
3	Medium Swing
4	Fast Swing
5	Ele Dance
6	Disco1
7	Trance1
8	Hiphop1
9	Punk1
10	Punk2
11	Hardcore Rock
12	Pop Rock
13	Bossa Nova1
14	Salsa1
15	Reggae1
16	Mambo1
17	R&B Pop
18	Dance Pop1
19	Dance Pop2
20	Ele Pop
21	Blues Funk
22	Nu Jazz Funk
23	Funk2
24	Funk3
25	Funk4
26	Funk5
27	Pop Funk1
28	Pop Funk2
29	Retro Funk
30	Fusion1
31	Fusion2
32	Fusion3
33	Fusion4
34	Fusion5
35	Fusion6
36	Cool Jazz
37	Big Band 1
38	Big Band 2
39	Big Band 3
40	Big Band 4
41	Swing
42	Bebop
43	3/4 Jazz
44	Jazz
45	Latin Jazz1
46	Latin Jazz2
47	Dance1
48	Disco House
49	Trance2
50	TripHop

51	Drum N'Bass1
52	Break Beat1
53	DanceFunk
54	HipHop
55	Dance2
56	Drum N'Bass2
57	Drum N'Bass3
58	Break Beat2
59	Classic Rock
60	Heavy Rock
61	Rock Ballad
62	Rock N'Roll
63	Punk3
64	Rock
65	80's Metal
66	Shuffle
67	60's Rock
68	Samba1
69	Bossa Nova2
70	Salsa2
71	Ska
72	Raggae 2
73	Reggae 3
74	Reggae 4
75	Latin Rock1
76	Latin Rock2
77	Mambo2
78	Samba2
79	Latin Pop
80	Gtr Bossa
81	Latin Dance1
82	Latin Dance2
83	Fusion7
84	R&B2
85	Jazzy Funk
86	Blues
87	Country
88	Country Pop
89	Country Blues
90	Ballad
91	Brit Pop
92	8Beat Pop
93	60's Pop
94	8Beat 1
95	8Beat 2
96	8BeatBallad1
97	8BeatBallad2
98	16BeatBallad1
99	16BeatBallad2
100	World
101	Big Band5

102	Latin Jazz3
103	Reggae5
104	Latin
105	Boogie
106	Disco2
107	Metal
108	Hard Rock
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 Oohs
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

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

Notes

o: Yes

x: No

