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**Draft、Revise、Review records**

Work Contents	Staff	Version	Date	Remarks
Draft	Deng Huabo	V0.01	20210414	First edition, draft
Revise	Deng Huabo	V0.02	20210817	Second edition, updated pictures and descriptions
Revise	Deng Huabo	V0.03	20211104	Third edition, updated recording operation, calibration operation, added sensitivity operation, updated wireless instructions

**FCC Caution:**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.
3. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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LLA570  
Instruction Manual

Version: V0.03  
Date: 20211104

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### Warning

The normal function of this product may be subject to strong electromagnetic interference. If this happens, simply follow the instructions, restore the product to its original settings. When the function of the product cannot be restored, please use this product in another location.

### Packing List

Dear users, after you purchase this instrument, please check if the following items are completed:

- 🔗 Host
- 🔗 Power Supply
- 🔗 Instruction Manual
- 🔗 After-sales Warranty Certificate

### Precautions

Before operation, please read the following carefully. Please keep this manual in a safe place for future reference at any time.

#### Power Supply

Please connect the specified power adapter to a Power outlet. Do not use a power source with a voltage that does not match the equipment. When the equipment is not in use or during thunderstorms, please disconnect the power supply.

#### Connect

Before connecting this device to other devices, turn off all the power switch of the device. This will effectively prevent equipment failure or prevent damage to other equipment.

#### Place

Do not place the device in the following environment to prevent the device from deformation, discoloration or other more serious damage: places exposed to direct sunlight, near heaters, dusty, high temperature, high humidity or locations where strong vibration or impact may occur, near magnetic fields.

### Interference to other equipment

Placing this equipment around TVs and radios may cause interference. When using this equipment, please keep a proper distance from the TV and radio.

### Maintenance

Only use a soft, dry cloth to clean this device. Do not use paint thinners, solvents, cleaning fluids or soaked in chemicals material rags. Do not apply excessive force to switches or control buttons. This instrument is best used in the following environments:

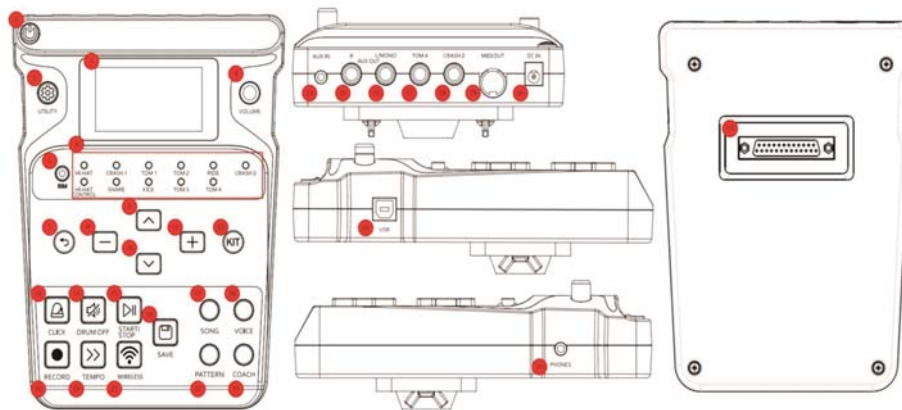
Temperature: 15 C°~ 35 C° Humidity: 75%

### Handle

Avoid paper, metal or other debris from entering the inside of the device. If this happens, please unplug the plug from the wall outlet. Then ask qualified maintenance personnel to inspect the equipment. Before moving the device, disconnect all power sources.

# Index

## Panel and Interface



1. Switch
2. 【UTILITY】 button
3. 128\*64 LCD screen
4. 【VOLUME】 knob
5. 【RIM】 button
6. LED indicator light
7. 【Return】 button
8. 【-】 button
9. 【↑】 button
10. 【↓】 button
11. 【+】 button
12. 【KIT】 button
13. 【CLICK】 button
14. 【DRUM OFF】 button
15. 【START/STOP】 button
16. 【SAVE】 button
17. 【SONG】 button
18. 【VOICE】 button
19. 【RECORD】 button
20. 【TEMPO】 button
21. 【WIRELESS】 button
22. 【PATTERN】 button
23. 【COACH】 button
24. Audio input interface
25. Right channel audio output interface
26. Left/Mono audio output interface
27. TOM4 interface
28. CRASH2 interface
29. MIDI output interface
30. Power supply interface
31. USB-MIDI interface
32. Headphone interface
33. Drum cable interface

Click: Press the button and release it immediately.

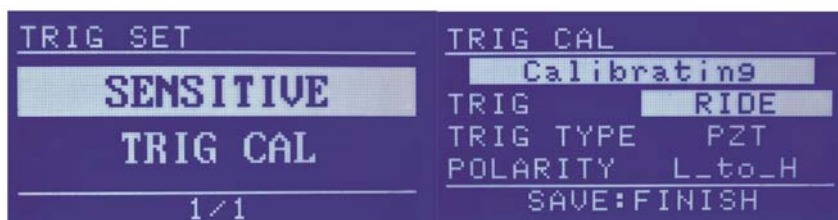
Long press: Press and hold the button for more than 2s, then release the button.

This term will be used below and will not be explained.

## Connect the device

### First use

When using the module for the first time, you need to calibrate the drum pad once to make the whole set of electronic drums work in the best condition.



Operation method:

1. Power on, click the [UTILITY] button to enter the system setting main menu interface, click the [↑], [↓] buttons, select the cursor to TRIG SET, and click the [+] button to enter the TRIG SET trigger setting interface.
2. Click the [↑], [↓] buttons, select the selection cursor to TRIG CAL to enter the TRIG CAL trigger calibration interface.
3. Select the corresponding drum plate, drum edge, cymbal plate, and cymbal edge to start calibration.
4. You can select the trigger type (TRIG TYPE) and polarity (POLARITY) of the current drum pad, and set the trigger type and polarity according to the selected corresponding trigger channel. Trigger type: PZT (ceramic buzzer type), SWITCH (switch type), INFRARED (photoelectric induction type); polarity: L\_to\_H (level change low to high), H\_to\_L (level change high to low).
5. When calibrating, strike the selected drum pad, rim, cymbal and cymbal 3 times in sequence with the maximum intensity of normal performance.
6. After all the drums and cymbals have been hit, click [SAVE] to save and return to the TRIG SET interface, indicating that the calibration is completed. (You can click [SAVE] to save the current calibration and exit, and the uncalibrated drum pads will retain the previous settings; you can also click [Return] to exit the calibration function and all calibration data will not be saved, and the previous settings will be retained).
7. The system returns to normal working mode and can be used normally.

Note: Usually these calibration operations have been completed by the factory before leaving the factory, and the user does not need to do it again. If the drum plate and cymbal do not respond well during use, you can do a calibration again.

#### Basic operation

Click the [UTILITY] button to enter the system setting main menu interface.

Rotate [VOLUME] to adjust the overall volume.

Click [Return] to return to the superior interface, the selection interface before entering the main menu.

of the system settings.

Click [RIM] to switch between normal side tone and knock side tone.

Click the [KIT] button to enter the drum kit selection interface.

Click the [SONG] button to enter the song demo interface.

Click the [VOICE] button to enter the voice selection.

Click the [PATTERN] button to enter the PAT interface.

In the PAT interface, click [COACH] to enter the COACH practice mode.

Click [CLICK] to turn on/off the metronome.

Click [DRUM OFF] drum sound on/off.

Click [START/STOP] to start/stop the song playback, and click to start recording/stop and save the recording in the waiting recording mode.

Click [RECORD] to enter/exit the recording interface.

Click [TEMPO] to adjust TEMPO parameters. .

Press and hold [WIRELESS] to turn on the wireless link function.

Click [↑], [↓] to select the cursor.

Click [+], [-] to adjust the cursor option parameters.

For detailed function operation, please check each function descriptions below.

#### KIT selection



(Cursor selection is shown in reverse display of selection, as shown in the figure to select **Standard**)

Interface description:

1. Interface name: KIT (drum kit selection interface)
2. Drum kit number
3. Name of drum kit (cursor optional)
4. Speed (cursor optional)

A drum kit is a combination of all drum pads, cymbals, and parameters. By selecting different drum kits, you can quickly play different tones. The module is in addition to the preset drum kits and also provides user drum kits, which can be customized by the user. Define timbre combinations and save records for users to quickly recall.

Instructions:

By default, it enters the drum kit selection interface when it is turned on. In the KIT interface, click [↑] [↓] to select the cursor; when the cursor is on the drum kit selection, click [+], [-] to select the drum kit, and the kit will be displayed, drum number and name too ; when the cursor is on the speed, click the [+] and [-] buttons to modify the speed.

To enter the KIT SET drum kit setting interface, you can click the [UTILITY] button to enter the MAIN SET system setting main menu, and enter in the MAIN SET.

## VOICE selection



Interface description:

1. Interface name: VOICE (voice selection interface)
2. Trigger name
3. Current KICK (cursor is optional)
4. Tone options
5. Tone parameters (cursor optional)
6. Speed (cursor optional)

Click the [VOICE] button to enter the VOICE tone selection interface, display the current trigger pad, click the [-] and [+] button to select the tone, and tap to audition the selected tone until you are satisfied. Strike other pads, cymbals, select other pads, cymbals or select KICK with the cursor, and click [-], [+] to select other pads, cymbals and controllers. Click [SAVE] to enter the drum kit save selection interface, save the tone parameters changed by the current drum kit, and the saving operation is consistent with the drum kit settings.

## SONG Playback

Click the [SONG] button to enter the song selection interface



Interface description:

1. Interface name: SONG (song selection interface)
2. Song number
3. Song name (cursor optional)
4. Speed (cursor optional)

Enter the song selection interface, the cursor is on the song selection item, click [+] [-] to select a song, click the [START/STOP] button to control the playback and stop of the song, click [↑], [↓] to jump the cursor, You can select the TEMPO option, click [+], [-] to adjust the parameters.

Entering the PAT interface will automatically exit the song playback; in the main system menu, when the song is playing, no other settings interface except for the song settings can be accessed; while the song is

playing, the REC interface cannot be accessed.

Enter the SONG SET song setting, you can click the [UTILITY] button to enter the main menu of the MAIN SET system setting, and enter it in the MAIN SET.

### PATTERN Play

Click [PATTERN] button to enter the PAT selection interface



Interface description:

1. Interface name: PAT (song selection interface)
2. PATTERN serial number
3. PATTERN name (cursor optional)
4. Speed (cursor optional)

Enter the PAT selection interface, the cursor is on the PAT selection item, click [+] [-] to select PATTERN, click the [START/STOP] button to control playback and stop, click [↑], [↓] to jump the cursor, You can select the TEMPO option, click [+], [-] to adjust the parameters.

Entering the SONG interface will automatically exit the song playback; in the main system menu, when the song is playing, no other setting interfaces except the song settings can be accessed; the REC interface cannot be accessed during the PATTERN playback.

All PATTERN playback is single loop playback, you need to manually click [+] [-] to switch between selections.

## Recording/Playback

### Recording

The recording function can record all your performances and save them in the memory, even if the data is turned off.



Interface description:

1. Interface name: RECORD recording interface
2. Recording status: REC ►
3. Recording file number
4. The name of the recording file (the cursor is optional)
5. Speed (cursor optional)



Enter the RECORD recording interface: Click the [RECORD] button to enter the RECORD recording interface, the cursor is on the USER xx user song, click the [+], [-] button to select the user song that needs to be recorded.

Recording operation:

Enter the waiting state for recording: In the RECORD recording interface, click the [RECORD] button, the [REC] button flashes, and enter the waiting state for recording.

Start recording 1: In the state of waiting for recording, hit any drum to start recording, REC ► is always on, and the [REC] button is always on. Drum kits, voice, speed, etc. can be adjusted at will, and the data will be recorded.

Start recording 2: While waiting for recording, click [START/STOP] to start recording, REC ► is always on, and the [REC] button is always on. Drum kits, tone, speed, etc. can be adjusted at will, and the data will be recorded.

Stop recording 1: Click the [START/STOP] button during recording to immediately stop the recording function, the data is automatically saved, REC ► disappears, and the [REC] button goes out.

Stop recording 2: If the recording memory is insufficient, the recording will automatically stop and save the recorded data, REC ► will disappear, and the [REC] button will go out.

Exit the waiting state of recording: In the waiting state of recording, click the [RECORD] button, the [REC] button will go out and exit the waiting recording interface.

Note: 1. The metronome can be switched on and off during recording, but it will not be recorded. If you turn on the metronome and then start recording, the metronome will automatically align with the recording. 2. During the recording process, you can enter the drum kit selection interface (KIT), the tone selection interface (VOICE), and the recording interface (RECORD), but other interfaces are not accessible. 3. In the recording waiting state, you cannot jump to the interface and select the recording file. You need to exit the recording waiting state to operate.

### Recording playback

Recording file playback:

In the RECORD recording interface, click the [START/STOP] button to play the currently selected recording file. If there is content in the file, it will be played and PLAY ► will be displayed. If there is no content, it will not be played and PLAY ► will not be displayed.

In the SONG song selection interface, the serial numbers 8 and 9 correspond to UserSong1 and UserSong2 respectively, that is to say, corresponding to the recording files 1, 2, and click to play.

When you exit the recording interface during recording playback, the recording will stop playing.

Note: In the recording interface of RECORD, while the recording file is playing, you cannot enter the recording waiting state.

## Coach Function

### COACH Mode

In COACH mode, after entering the PAT interface, click [COACH] to enter the COACH selection interface.



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Interface description

1. Interface name: COACH (COACH selection interface)
2. READY.../GO
3. Score display
4. PATTERN switching for practice (cursor optional)
5. The current practice section and the total practice section number display
6. Speed adjustment (cursor optional)

COACH allows you to practice all the tracks of PATTERN. You can choose two different practice modes, FOLLOWSONG and CHOOSEDRUM, and the scores of the following strikes will also be displayed on SCORE in real time. The practice mode settings are adjusted in the COACH setting interface.

In the COACH selection interface, you can click [↑], [↓] to select the cursor, and click [+], [-] to adjust the parameters of the cursor option.

Click [START/STOP] to start/stop the exercise.

When you click the [START/STOP] button to start practicing, a demo section will be played and READY... will be displayed; after the demo section, you will start to enter the exercise formally, and when GO is displayed, the practice starts, the score is displayed in real time, and the current bar number is displayed in real time. The score is displayed in a percentage system, with a full score of 100. When the notes in the practiced song are played correctly in the practice, the score will be counted; more or missed will be deducted; the score will drop from 100 points, the more errors, the lower the score, until it drops to 0.

Enter the COACH SET COACH setting interface, you can click the [UTILITY] button to enter the MAIN SET system setting main menu, and enter in the MAIN SET.

Note: The default practice mode of the system is CHOOSEDRUM mode, and the three practice drum pads are selected as NULL. To start practicing, you need to enter COACH SET to set.

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## Speed adjustment

In the selection interface, you can click the [TEMPO] button to adjust the speed, select TEMPO with the cursor, and click or hold the [-] and [+] keys to adjust the speed value.

## Metronome

Click the [CLICK] button to turn on/off the metronome.

To enter the CLICK metronome setting, you can click the [UTILITY] button to enter the main menu of the MAIN SET system setting, and enter it in the MAIN SET.

## Drum OFF

[DRUM OFF] button is to close the percussion track during song playback, which is only effective during song playback.

## RIM button Function

[RIM] button is to change the rim sound effect of the snare drum. When the button is off, striking the snare drum is a normal rim sound; when the button is lit, striking the snare drum is a percussion sound.

## USB-MIDI Function

Use a USB cable to connect the module and the computer. The module can respond to MIDI messages sent by the computer, and the module can also send MIDI messages to the computer.

Please refer to the attachment-MIDI execution table for the response and MIDI messages sent by the module.

## Wireless Music

Wireless display device name: EDM-Audio

### Indicator Light

LED Indicator Light

Startup, no device connection	Flash	Power-on prompt
Successful connection	Fast flash 3 times, change to slow flash	Prompt for successful connection
Shut down	Fast flash 3 times, and go out	Shutdown Prompt

Note: 1. If there is no device connection within 5 minutes, the wireless will automatically shut down;

2. When the main power switch is turned off, the wireless module will also be powered off and shut down.

When the main power switch is turned on, the wireless module will remain off, and it needs a long press to turn it on again;

## Button

[WIRELESS]	Long press 2s	Startup/ Shutdown
	Short press	Play/Stop

Note: The wireless music volume remains at the default value every time you turn it on. When the wireless function is turned on, the module will automatically connect back to the connected device.

## Setting Menu

### System settings main menu

In any selection interface, click the [UTILITY] button to enter the system setting menu.



Interface description:

1. Interface name: (MAIN SET) system setting main menu interface
2. Setting options (cursor optional)

In the system setting main menu, click [↑], [↓] to select the cursor option, click the [+] button to enter the cursor option; click the [RETURN] button to return to the selection interface before entering the system setting main menu.

System settings main menu options:

Number	Options	Description
1	KIT SET	Drum set setting interface
2	SONG SET	Song setting interface
3	CLICK SET	Metronome setting interface
4	COACH SET	COACH setting interface
5	SYS SET	System setting interface
6	TRIG SET	Enter the trigger setting interface

### KIT SET

Click the [UTILITY] button to enter the system setting main menu interface, the cursor is on the KIT SET option, and click the [+] button to enter the drum kit settings.



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Menu description:

1. Interface name: KITSET (drum set setting menu interface)
2. Trigger name
3. KICK is currently triggered (cursor is optional)
4. Drum set setting items
5. Project parameters (cursor optional)

Adjust parameters: In the KITSET setting interface, click the [↑] [↓] key to select the drum kit option, and click the [-] and [+] keys to adjust the parameters.

Switch between pads and cymbals: In the KITSET setting interface, hit the pads and cymbals, and the parameter adjustment will automatically switch to the corresponding drum pad and cymbal channel. After the channel is switched, the previously set parameters will be automatically saved; you can also select the cursor to TRIG parameters, click the [+] and [-] buttons to switch between drum pads and cymbals. After switching, the previously set parameters are automatically saved. Switching the pad and cymbal interface will directly display whether the name is now snare (SNARE) or Tom 1 (TOM1).

Exit the setting state 1: In the KITSET setting interface, click the [SAVE] button to enter the drum kit save interface, and select whether to save in the current drum kit or the user drum kit. When it is stored in the user drum kit, the interface displays the user drum kit number for saving the settings, click [+] [-] to select the user drum kit, and click [SAVE] again, the set parameters will be saved to the corresponding user drum kit and Return to the main menu interface of the system settings.

Exit the setting state 2: In the KITSET setting interface, click the [Return] button, the parameters will not be saved directly to exit the drum kit setting interface, and return to the system setting main menu interface.

(Note: The voice name only displays 8 characters when selected in the current interface. When the page is static, if the name is greater than 8 characters, the scrolling display will start)

KIT Parameters :

No.	Parameters	Indicator	Description	Default Parameters
1	VOICE	The cursor is on the voice selection	Can select all preset voice names	--
2	TRIG VOL	The cursor is on the volume adjustment	0~63 64-level volume adjustment	--
3	PAN	The cursor is on the PAN adjustment	L64--M0--R63(Left-Middle-Right)	--
4	VEL CUR	The cursor is on the VEL CUR selection	4 response curves	--
5	PITCH	The cursor is on the pitch selection	-24 ~ 0 ~ +24 49-level rough adjustment	--
6	TUNING	The cursor is on the tuning selection	+0~+10 11 levels of fine adjustment	--
7	MIDI OUT	The cursor is on the MIDI OUT setting	MIDI code output NOTE value 0-127	--
8	REV TYPE	The cursor is on the REV TYPE selection	4- effect type	--
9	REV LEV	The cursor is on the REV LEV selection	0-63 64 level effect value	--
10	EFFECT	The cursor is on the EFFECT switch selection	Compression effect on/off	ON
11	HIGH EQ	The cursor is on the high frequency EQ adjustment	High frequency EQ gain -16~0~+16	--
12	LOW EQ	The cursor is on the low-frequency EQ adjustment	Low frequency EQ gain -16~0~+16	--
13	KIT VOL	The cursor is on the drum kit volume adjustment	0~63 64-level drum kit overall volume	--
14	ROOM	The cursor is on the room size	Room size 0-4	--

Items 1~7 are unique parameters for each pad and cymbal in the drum kit, items 8~14 are the common parameters of the drum kit.

## KIT SAVE

In the KIT SET setting menu interface, click the [SAVE] button to enter the drum kit setting save selection interface.



Interface description:

1. Interface name: KIT SAVE (drum set save selection interface)
2. The selected save type (cursor is optional)

USER KIT is saved in the user drum kit:



Click USER KIT to enter the user drum kit save option interface, you can choose to save to any user drum kit U1-U15, click [ + ], [ - ] to switch between different user drum kit file numbers for overwriting and saving, click [SAVE] button to save and exit to the system setting main menu; click the [RETURN] button to exit to the drum kit save selection interface without saving.

CURRENT KIT is saved in the current drum kit:



Click CURRENT KIT to enter the saving in the current drum kit confirmation interface, save the current drum kit parameters in the current drum kit, click the [SAVE] button to save and exit to the system setting main menu; click [RETURN] button to exit the drum kit save selection interface without saving.

#### Operation demonstration

Start condition: Power on and enter the drum kit selection interface, and the interface will display the drum kit selection interface.

Click the [UTILITY] button to enter the system setting main menu interface, the cursor is on the KIT SET option, click the [ + ] button to enter the drum kit setting interface, click [ ↑ ] [ ↓ ] to select the cursor to the voice, click [ - ], [ + ] key to select a voice, hit snare drum (SNARE) to audition the selected voice until you are satisfied.

Click [ ↑ ] [ ↓ ] key to select other parameters, and click continuously to select 1~14 parameters in the above table one by one.

Strike other drums, such as tom-tom 1 (TOM 1) , and temporarily store the previously set snare parameters (SNARE) and switch to tom-tom 1 (TOM1). The next setting is the tom-tom 1 (TOM1) parameter. Parameters 1~7 will vary with the drum pad, and parameters 8~14 do not change with the drum pad. They are the common parameters of the entire drum kit.

After adjusting all the parameters, click the [Save] button to enter the drum kit save selection interface, and click the [ ↑ ] [ ↓ ] button to select the user drum kit or save it in the current drum kit. Select the user drum kit, enter the user drum kit selection confirmation interface, select the saved user drum kit serial number, click the [Save] button, the set parameters will be saved to the corresponding user drum kit and exit and return to the system setting main menu interface; select Save in for the current drum kit, enter the save in the current drum kit confirmation interface, click the [Save] button, the set parameters will be saved to the corresponding user drum kit and exit and return to the system setting main menu interface.



In the drum kit setting interface, click the [Return] button, the parameters will not be saved and directly exit the drum kit setting state, that is, the power-off data will be restored to before the modification, and return to the main menu of system settings.

## SONG SET

Click the [UTILITY] button to enter the main menu of the MAIN SET system setting, the cursor is on the SONG SET, and click the [+] button to enter the song setting menu interface.



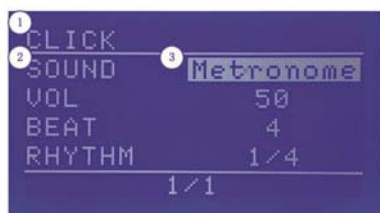
Interface description:

1. Interface name: SONGSET (song setting interface)
2. Play mode selection (cursor optional)

With the cursor on the song mode, click the [+], [-] buttons to switch the song playback mode, the song is played in a large loop (List Loop)/single loop (Single Loop)/single song playback ends and stops (End Stop) .

## CLICK SET

In the MAIN SET system setting main menu, select the CLICK SET metronome setting with the cursor, and click the [+] button to enter the metronome setting interface.



Interface description:

1. Interface name: CLICK (metronome setting interface)
2. Metronome options
3. Metronome parameters (cursor optional)

Adjust parameters: Metronome setting interface, click [↑], [↓] buttons to select options, click [-], [+] keys to adjust parameters.

Exit metronome setting interface 1: Metronome setting interface, click [Return] to return to the main menu of system settings, the data will not be saved, and the data will not be restored after power failure.

Exit metronome setting interface 2: Metronome setting interface, click [SAVE] to return to the main menu of system settings, the data will be saved, and the data will be restored after power failure.



Metronome parameters:

No.	Parameter	Instructions	Description
1	SOUND	Option display type	Metronome Voice Name
2	VOLUME	Option display volume	0-63 level metronome volume
3	BEAT	Options display 1~9	1-9 beats
4	RHYTHM	Options display 1/4, 1/8, 3/8, 1/16	Tempo Value

#### Operation demonstration

Click the [UTILITY] button to enter the system setting main menu, click the [↑], [↓] buttons to select the CLICK SET metronome setting option, and click the [+] button to enter the metronome setting interface.

Enter the metronome setting interface, click the [↑], [↓] button to select the metronome setting option, and click the [+], [-] button to adjust the parameters of the cursor selection.

Click [SAVE] button to save and return to the main menu of system settings.

## COACH SET

In the main menu of system setting, select COACH SET with the cursor, and click the [+] button to enter the COACH setting.



Interface description:

1. Interface name: COACH SET (COACH SET interface)
2. Scoring mode
3. Mode selection (cursor optional)
4. Drum pad options
5. Select trigger (cursor is optional)

Choose the two required practice modes: FOLLOWSONG and CHOOSEDUM, you can click [↑], [↓] to select the cursor, and click [+], [-] to adjust the parameters of the cursor option. Choose CHOOSEDUM to specify drum pad options, you can choose 3 or less drum pads for practice, NULL is an empty option, click [Return] to return to the main menu of system settings.

COACH setting parameters:

No.	Parameter	Indication	Description
1	MODE	Option mode type	Mode Name CHOOSDRUM: Choose the designated drum pad, cymbal and controller, and practice following the song. FOLLOWSONG: Practice all drum pads, cymbals and controllers, follow the song to practice.
2	DISPLAY1	Option drum pad option 1	Select trigger
3	DISPLAY2	Option drum pad option 2	Select trigger
4	DISPLAY3	Option drum pad option 3	Select trigger
5	MEAS	Practice total number of measures setting	4, 8, 16 measure selection

(Note: 1. The drum pad option is only valid in CHOOSDRUM mode.)

## TRIG SET

In the MAIN SET system setting main menu, the cursor is selected in TRIG SET, and click the [+] button to enter the TRIG SET trigger setting menu.

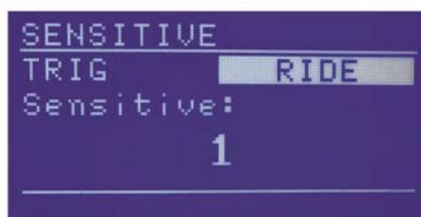


Interface description:

1. Interface name: (TRIG SET) trigger setting menu interface
2. Setting options (cursor optional)

### SENSITIVE Settings

SENSITIVE setting interface, you can set the sensitivity of each trigger channel.

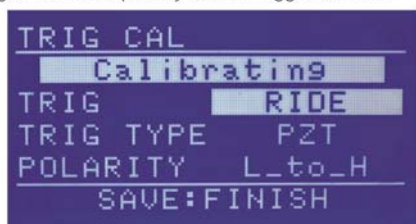


No.	Parameter	Indication	Descriptions
1	TRIG	Select the surface trigger channel	the trigger channel RIDE
2	Sensitive	Set the sensitivity of the selected trigger channel	1~10 10 levels of sensitivity adjustment. (The larger the value, the higher the sensitivity)

Note: The sensitivity adjustment of the switch type trigger channel is invalid.

#### TRIG CAL

TRIG CAL trigger calibration interface, you can calibrate each trigger channel, and you can modify the trigger mode and polarity of each trigger channel.



No.	Parameter	Indication	Descriptions
1	TRIG	Trigger channel to be calibrated	RIDE's surface trigger channel.
2	TRIG TYPE	Modify the trigger type of the channel	PZT-ceramic sheet resistance type SWITCH-switch type INFRARED-photoelectric sensor type
3	POLARITY	Modify the trigger polarity of the channel	L_to_H trigger polarity changes from low level to high level H_to_L trigger polarity changes from high level to low level

Calibration operation:

1. Select the trigger channel to be calibrated
2. Modify the trigger type and trigger polarity according to the characteristics of the current trigger channel.
3. Play according to the maximum intensity of normal performance. For example: select the current RIDE trigger channel, hit the RIDE cymbal 3 times with the intensity of normal performance, and hear the "ding-ding" sound effect.
4. Carry out the calibration of the next trigger channel according to the above operations in sequence.
5. After the calibration is completed, click the [SAVE] button to save the parameters.

## SYS SET

In the MAIN SET system setting main menu, click [↑], [↓] to select the SYS SET system setting option, and click [+] to enter the SYS SET system setting menu.



Interface description:

1. Interface name: (SYS SET) system setting menu interface
2. Setting options
3. Option parameters (cursor optional)

System setting menu, click [↑], [↓] buttons to select options; current options can be adjusted, click [-], [+] buttons to adjust parameters; current options can be entered, click [+] to enter cursor options that can be entered.

In the system setting state, click the [Return] button to exit the system setting menu and return to the system setting main menu.

System setting menu parameters:

No.	Parameter	Indication	Description	Default parameters
1	Local Switch	The cursor shows LOCALSWITH	Local Module Switch on/off	ON
2	GM Mode	The cursor shows GM ON	GM Mode on/off	ON
3	Automatic shutdown time	The cursor shows AUTO OFF	Auto power off function off/15/30 minutes	OFF
4	Reset	The cursor shows RESET FA SET	Enter the factory reset interface	IN
5	Software version number	The cursor shows VER	Software version number v X.X.X	--

The detailed description of the system setting parameters is as follows:

Local module switch. When you hit the drum pad, the module can send out MIDI codes and also sound itself. This setting can turn off the local module sound. For example: if the module is connected to a computer and the computer receives MIDI codes and pronounces them, then you can use the local switch to turn off the module to avoid interference caused by simultaneous sound of two devices.

GM mode. The 10-channel USB-MIDI IN of the module has two response modes. When GM is ON, the 10-channel responds according to the GM standard. When GM is OFF, the MIDI code received by the 10-channel is output to the panel drum kit.

Automatic shutdown time. The sound generator will automatically shut down without any operation (song playing, automatic shutdown is invalid when there is MIDI input). There are three automatic shutdown parameters, function off (display OFF), 15 minutes (display 15), and 30 minutes (display 30).

Software version number. The software version number is only provided for display and does not respond to other operations.

Reset. Restoring the factory settings will restore the drum pad calibration parameters and various setting parameters to the factory state, and the user drum kits and recording files will be deleted.



The operation of restoring factory settings: Click the [+] button to select restore settings, enter the restore interface, click the [+] button to confirm the restoration, the WITING... appears, and wait for the initialization to be completed; click the [Return] button to cancel and return to the system setting interface.

## Product specifications

KITS
Kit:27 preset kits +15 user kits
VOICE
333 high-quality PCM voice
SONG
Preset Song : 7
Preset can be saved : 24
Recording method: real-time recording
Maximum number of recordings : Two recording files, if there is no recording file, the song can save about 13000 notes.
SPEED
30~280
DISPLAY
64x128 LCD dot matrix screen with white characters on blue background
INTERFACE
Trigger input interface (DB25 type), External expansion trigger interface jacks (TOM4, CRASH2), 3.5mm headphone jack,
3.5mmAUX IN interface, USB-MIDI interface, MIDI OUT interface, Line output jacks (R,L/MONO)
CONTROL BUTTON
Power on/off, UTILITY, RIM, Return,+, -, /, V, KIT,CLICK, DRUM OFF, START/STOP, SAVE, SONG, VOICE, RECORD, TEMPO, WIRELESS, PATTERN, COACH
CONTROL KNOB
VOLUME
POWER SUPPLY
DC 9V, 500 mA
SIZE
WEIGHT

## MIDI Execution Table

### VOICE List

No.	Voice Name	Snares			
Kicks		38	Rock_S	76	Metal2_SR
1	Rock1_Kk	39	Studio_S	77	Metal3_SR
2	Rock2_Kk	40	Funk_S	78	Analog1_SR
3	Jazz1_Kk	41	Jazz1_S	79	Analog2_SR
4	Jazz2_Kk	42	Jazz2_S	Toms	
5	Jazz3_Kk	43	Soul1_S	80	Rock_T1
6	Jazz4_Kk	44	Soul2_S	81	Rock_T2
7	Metal1_Kk	45	Blues_S	82	Rock_T3
8	Metal2_Kk	46	Root_S	83	Rock_T4
9	Punch1_Kk	47	Brush_S	84	Rock_T5
10	Punch2_Kk	48	Room_S	85	Rock_T6
11	Room1_Kk	49	Metal1_S	86	Jazz1_T1
				87	Jazz1_T2

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12	Room2_Kk	50	Metal2_S	88	Jazz1_T3
13	Root1_Kk	51	808_1_S	89	Jazz1_T4
14	Root2_Kk	52	808_2_S	90	Jazz1_T5
15	Soul1_Kk	53	909_1_S	91	Jazz1_T6
16	Soul2_Kk	54	909_2_S	92	Jazz2_T1
17	Soul3_Kk	55	Analog1_S	93	Jazz2_T2
18	Brush1_Kk	56	Analog2_S	94	Jazz2_T3
19	Brush2_Kk	57	HipHop1_S	95	Jazz2_T4
20	808_1_Kk	58	HipHop2_S	96	Jazz2_T5
21	808_2_Kk	59	HipHop3_S	97	Jazz2_T6
22	808_3_Kk	60	Industry1_S	98	Soul_T1
23	808_4_Kk	61	Industry2_S	99	Soul_T2
24	909_1_Kk	62	BeatBox1_S	100	Soul_T3
25	909_2_Kk	63	BeatBox2_S	101	Soul_T4
26	909_3_Kk	64	BeatBox3_S	102	Soul_T5
27	909_4_Kk	65	RimShot	103	Soul_T6
28	Analog1_Kk	66	Rock_SR	104	Brush_T1
29	Analog2_Kk	67	Studio_SR	105	Brush_T2
30	HipHop1_Kk	68	Funk_SR	106	Brush_T3
31	HipHop2_Kk	69	Jazz1_SR	107	Brush_T4
32	Industry1_Kk	70	Jazz2_SR	108	Brush_T5

33	Industry2_Kk	71	Soul_SR	109	Brush_T6
34	Industry3_Kk	72	Blues_SR	110	808_T1
35	BeatBox1_Kk	73	Brush_SR	111	808_T2
36	BeatBox2_Kk	74	Room_SR	112	808_T3
37	BeatBox3_Kk	75	Metal1_SR	113	808_T4
114	808_T5	152	Brush2_CrE2	190	Soul2_HHP
115	808_T6	153	Analog_CrE1	191	Soul2_HHSp
116	909_T1	154	Analog_CrE2	192	Jazz1_HH1
117	909_T2	155	909_CrE1	193	Jazz1_HH2
118	909_T3	156	909_CrE2	194	Jazz1_HH3
119	909_T4	157	Lofi_CrE	195	Jazz1_HH4
120	909_T5	158	ChineseEdge	196	Jazz1_HHP
121	909_T6	159	Splash	197	Jazz1_HHSp
122	Rock1_TR1	160	Rock1_Rd	198	Jazz2_HH1
123	Rock1_TR2	161	Rock2_Rd	199	Jazz2_HH2
124	Jazz1_TR1	162	Jazz1_Rd	200	Jazz2_HH3
125	Jazz1_TR2	163	Jazz2_Rd	201	Jazz2_HH4
126	Soul_TR1	164	Brush1_Rd	202	Jazz2_HHP
127	Soul_TR2	165	Brush2_Rd	203	Jazz2_HHSp
128	Brush_TR1	166	Brush3_Rd	204	Brush1_HH1
129	Brush_TR2	167	Brush4_Rd	205	Brush1_HH2



130	Analog_TR1	168	Electronic1_Rd	206	Brush1_HH3
131	Analog_TR2	169	Electronic2_Rd	207	Brush1_HH4
Cymbals		170	Rock_RdB	208	Brush1_HHP
132	Rock1_Cr	171	Jazz_RdB	209	Brush1_HHSp
133	Rock2_Cr	172	Brush1_RdB	210	Brush2_HH1
134	Jazz1_Cr	173	Brush2_RdB	211	Brush2_HH2
135	Jazz2_Cr	174	Electronic_RdB	212	Brush2_HH3
136	Brush1_Cr	Hi-Hat		213	Brush2_HH4
137	Brush2_Cr	175	Rock1_HH1	214	Brush2_HHP
138	Brush3_Cr	176	Rock1_HH2	215	Brush2_HHSp
139	Brush4_Cr	177	Rock1_HH3	216	808_HH1
140	808_Cr1	178	Rock1_HH4	217	808_HH2
141	808_Cr2	179	Rock1_HHP	218	808_HH3
142	909_Cr1	180	Rock1_HHSp	219	808_HH4
143	909_Cr2	181	Soul1_HH1	220	808_HHP
144	Lofi_Cr	182	Soul1_HH2	221	808_HHSp
145	Chinese	183	Soul1_HH3	222	909_HH1
146	Rock1_CrE	184	Soul1_HH4	223	909_HH2
147	Rock2_CrE	185	Soul1_HHP	224	909_HH3
148	Soul1_CrE	186	Soul2_HH1	225	909_HH4
149	Soul2_CrE	187	Soul2_HH2	226	909_HHP

150	Brush1_CrE1	188	Soul2_HH3	227	909_HHSp
151	Brush2_CrE1	189	Soul2_HH4	228	BeatBox_HH1

229	BeatBox_HH2	268	909_HHE3	306	Open Surdo
230	BeatBox_HH3	269	909_HHE4	Orchestras	
231	BeatBox_HH4	270	BeatBox_HHE1	307	Orchestra Hit A
232	BeatBox_HHP	271	BeatBox_HHE2	308	OrchestraHit_ARim
233	BeatBox_HHSp	272	BeatBox_HHE3	309	Orchestra Hit C
234	Rock1_HHE1	273	BeatBox_HHE4	310	OrchestraHit_CRim
235	Rock1_HHE2	Percussions		311	Orchestra Hit D
236	Rock1_HHE3	274	Tambourine	312	Orchestra Hit E
237	Rock1_HHE4	275	Cowbell	313	Orchestra Hit F
238	Soul1_HHE1	276	Rock Cowbell	314	Orchestra Hit G
239	Soul1_HHE2	277	808 Cowbell	315	Timpani E
240	Soul1_HHE3	278	Vibra Slap	316	Timpani_ERim
241	Soul1_HHE4	279	High Bongo	317	Timpani G
242	Soul2_HHE1	280	Low Bongo	318	Timpani_GRim
243	Soul2_HHE2	281	Mute High Conga	319	Timpani A
244	Soul2_HHE3	282	Open High Conga	320	Timpani C
245	Soul2_HHE4	283	Low Conga	321	Timpani D

246	Jazz1_HHE1	284	High Timbale	322	Timpani High E
247	Jazz1_HHE2	285	Low Timbale	Miscs	
248	Jazz1_HHE3	286	High Agogo	323	High Q
249	Jazz1_HHE4	287	Low Agogo	324	Slap
250	Jazz2_HHE1	288	Cabasa	325	Scratch Push
251	Jazz2_HHE2	289	Maracas	326	Scratch Pull
252	Jazz2_HHE3	290	Short Whistle	327	Sticks
253	Jazz2_HHE4	291	Long Whistle	328	Square Click
254	Brush1_HHE1	292	Short Guiro	329	Metro Click
255	Brush1_HHE2	293	Long Guiro	330	Metro Bell
256	Brush1_HHE3	294	Claves	331	Hand Clap 1
257	Brush1_HHE4	295	High Woodblock	332	Hand Clap 2
258	Brush2_HHE1	296	Low Woodblock	333	Hand Clap 3
259	Brush2_HHE2	297	Mute Cuica		
260	Brush2_HHE3	298	Open Cuica		
261	Brush2_HHE4	299	Mute Triangle		
262	808_HHE1	300	Open Triangle		
263	808_HHE2	301	Shaker		
264	808_HHE3	302	Jingle Bell		
265	808_HHE4	303	Bell Tree		
266	909_HHE1	304	Castanets		
267	909_HHE2	305	Mute Surdo		

## KIT List

No.	KIT Name	15	Jazz 2	30	User Kit 3
01	Standard	16	Soul	31	User Kit 4
02	Studio	17	Brush	32	User Kit 5
03	Funk 1	18	Orchestra	33	User Kit 6
04	Funk 2	19	House	34	User Kit 7
05	Fusion	20	808	35	User Kit 8
06	Blues	21	909	36	User Kit 9
07	Country	22	Latin	37	User Kit 10
08	Root	23	Analog	38	User Kit 11
09	Room	24	Industry	39	User Kit 12
10	Power	25	Beatbox	40	User Kit 13
11	Rock	26	HipHop	41	User Kit 14
12	Metal 1	27	TripHop	42	User Kit 15
13	Metal 2	28	User Kit 1		
14	Jazz 1	29	User Kit 2		

## SONG List

No.	Song Name	12	R&B	Song	
Pattern		13	Pop	1	Rock Song
1	Classic Rock	14	Power Pop	2	Funk Song
2	Slow Rock	15	Swing Pop	3	Blues Song
3	Brit Pop	16	Latin Pop	4	Jazz Song
4	Rock Ballad	17	Chacha	5	Pop Song
5	Funk 1	18	Bossa Nova	6	Disco Song
6	Funk 2	19	Reggae	7	Demo
7	Country 1	20	Punk	8	USER SONG 1
8	Country 2	21	Metal	9	USER SONG 2
9	Blues	22	Disco		
10	Jazz	23	Techno		
11	Soul	24	Drum n' Bass		

Firmware upgrade