

# MOSEN®

# Electronic Drum User Manual



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(Supervised Production)

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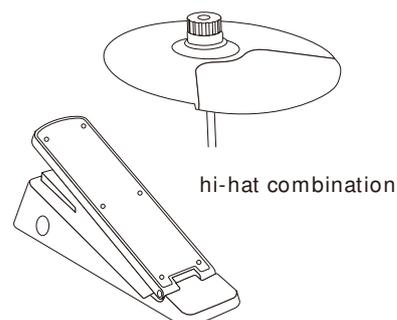
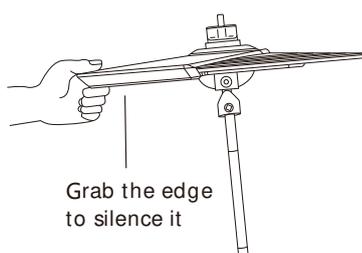
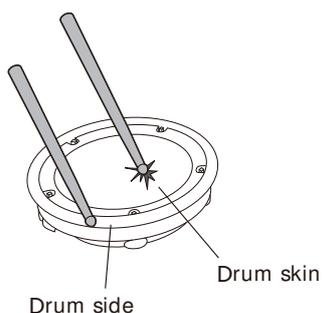
## Function introduction

Thank you for choosing our electronic drum set. This product is finely crafted and technologically advanced, making it the perfect companion to start your musical journey.

•Be sure to read this manual carefully before using this instrument.



- Maximum polyphony of 32 notes, with 6 layers of velocity sensitivity
- Support for cymbal choke
- 25 drum kits, with 195 drum sounds
- 10 built-in songs
- Adjustable sensitivity for each drum pad
- Tempo control: 30-280 BPM
- Metronome
- Additional features: Parameter memory, reset function
- LED display
- Connections: USB MIDI, headphone jack, line-in, line-out
- Ability to create and edit custom drum kits



### Notice

- This product is an electronic musical instrument. A slight humming noise from the speakers or headphones when powered on is normal. To avoid interference, please keep the device away from "radios, televisions, antenna receivers, routers, refrigerators, televisions, electric motors, and any other sources of radio frequency interference."



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# Intallation Guide

01

## Check the Included Items

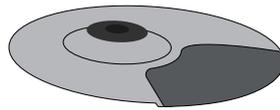
- Upon opening the package, please immediately check to ensure all items are included. If anything is missing, contact your dealer.



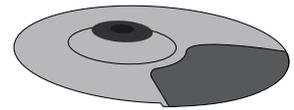
Control module



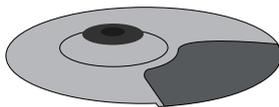
Control module stand



Hi-hat



Crash cymbal



Ride cymbal



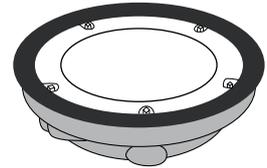
Cymbal support rod  
(2 pieces)



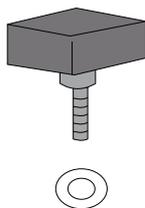
Cymbal support rod



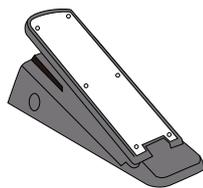
Tom-toms



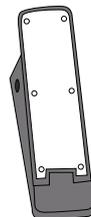
Snare drum



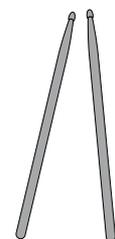
Plastic head fastening screws



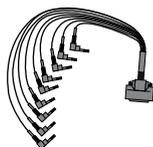
Hi-hat control pedal



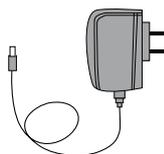
Bass drum control pedal



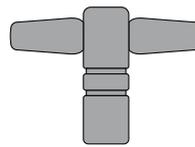
Drumsticks



Connection cables



Power adapter



Drum key



USB cable

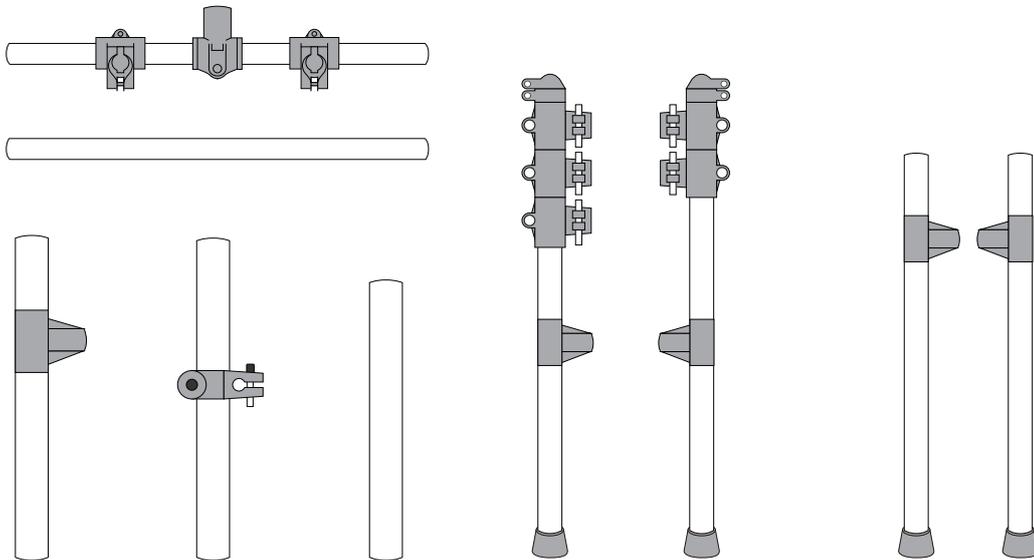


# Installation Guide

02

## Tubes

- The tubes are in a separate small package inside the box.

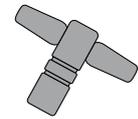


03

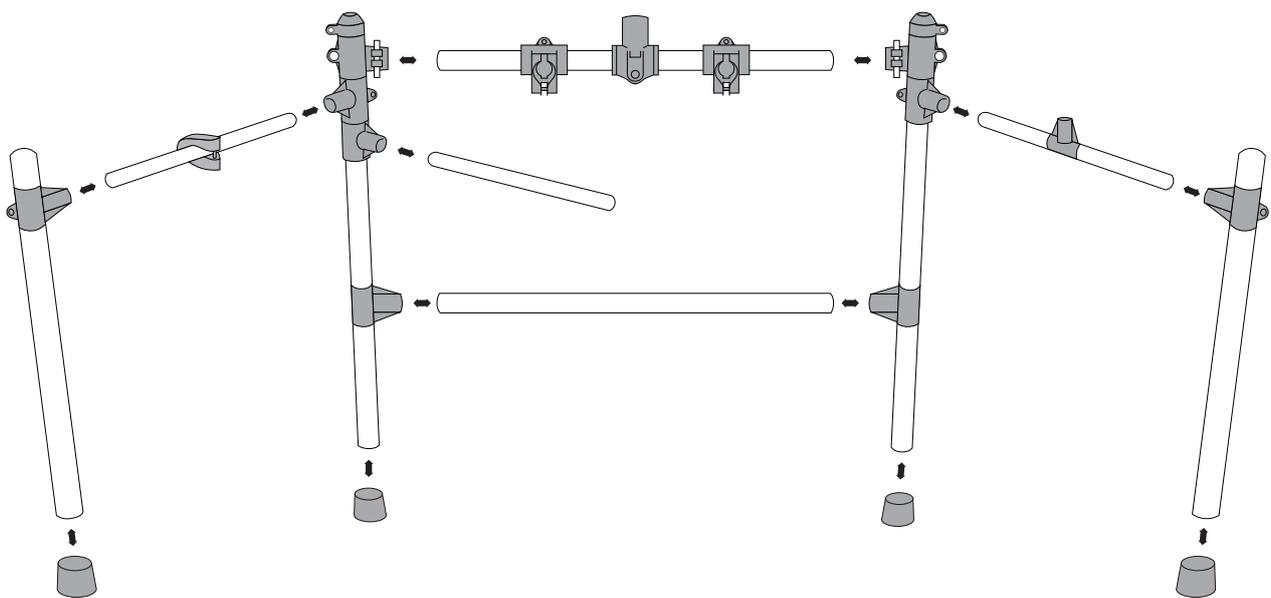
## Stand Installation

- The stands need to be assembled and the screws tightened to prevent them from falling off.

Insert the stands and drum pads into their respective positions and then tighten the screws.



Note: The tom and snare have different functions and need to be installed correctly !

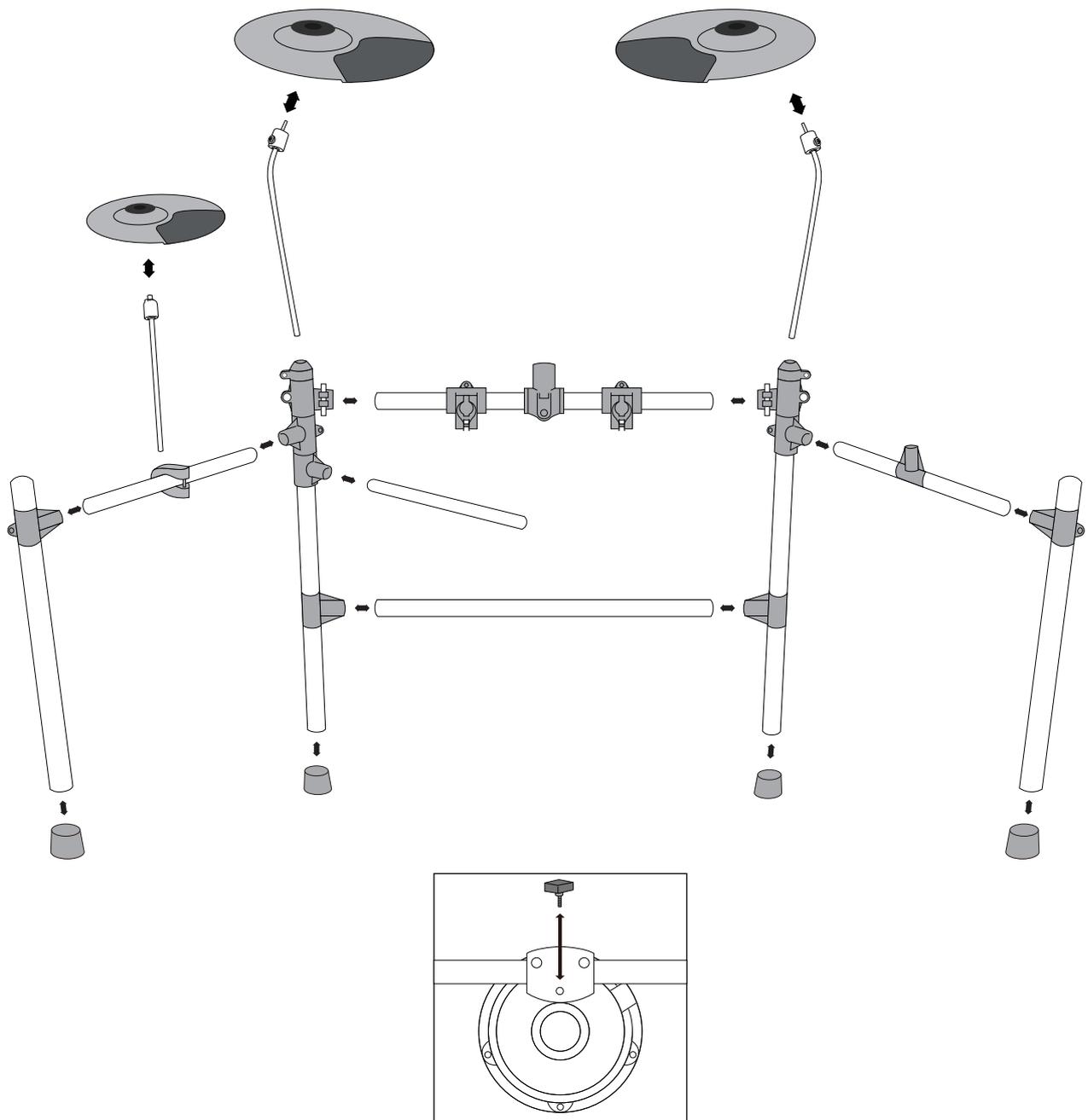




## 04

### Drum Pad Installation

- Handle with care to avoid pinching your fingers.



According to the diagram, insert the three tom-toms and one snare drum into the tubes and secure with the plastic tightening screws.



05

## Installing Cymbals, Control Module, Pedal Placement

- Proceed with caution to avoid pinching your fingers.

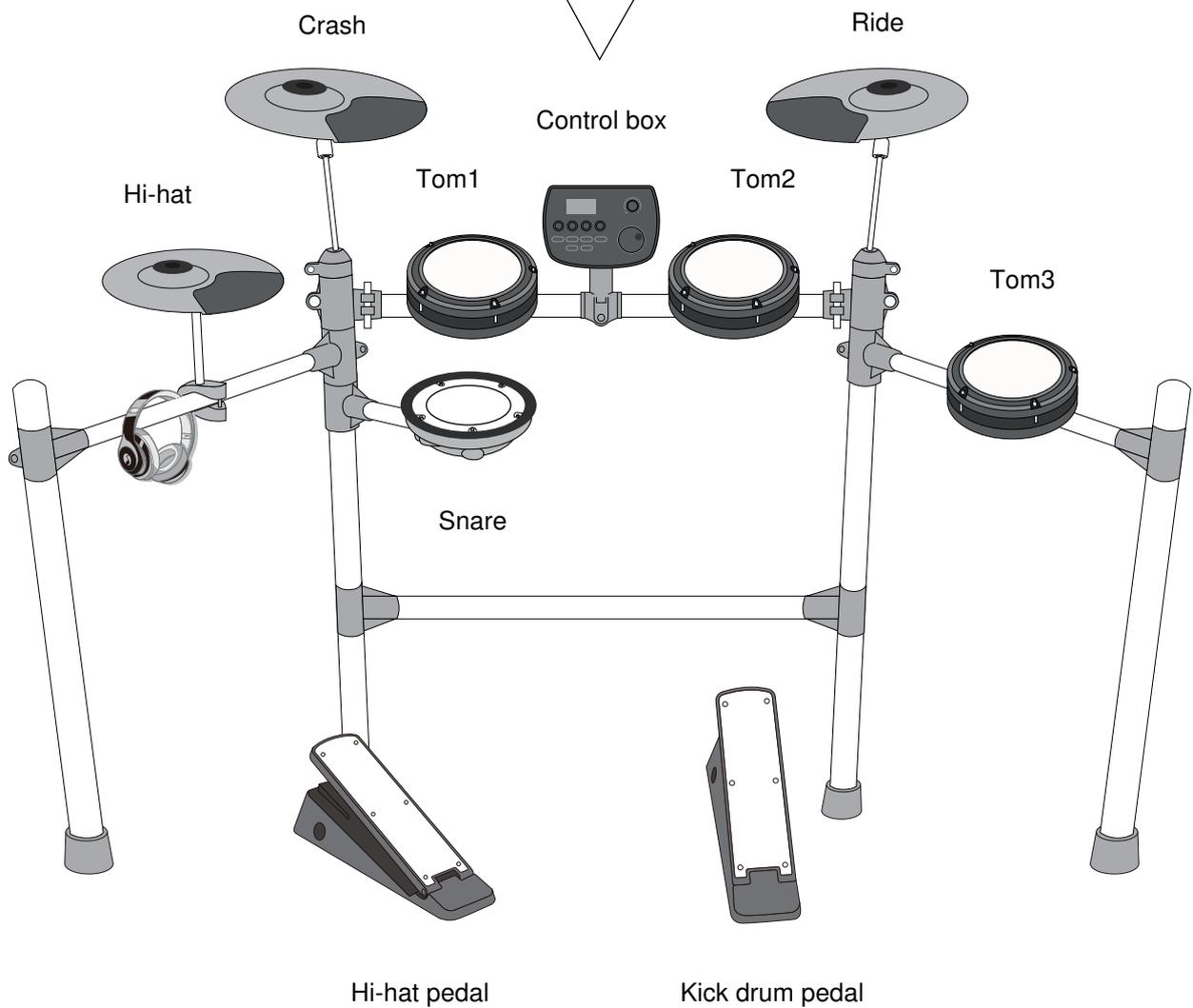
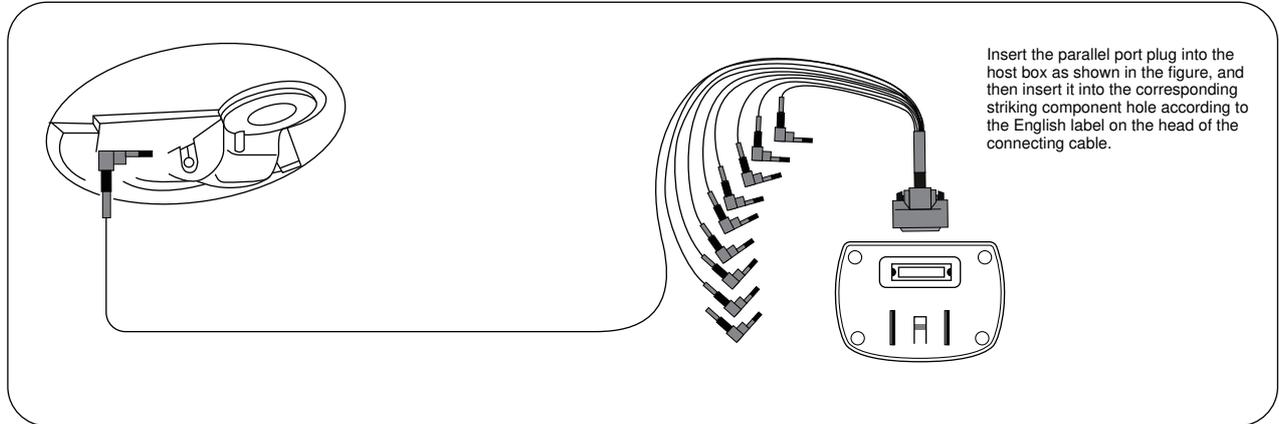




06

## Check the included items

- After opening the package, please immediately check to ensure all items are included. If anything is missing, contact your dealer.

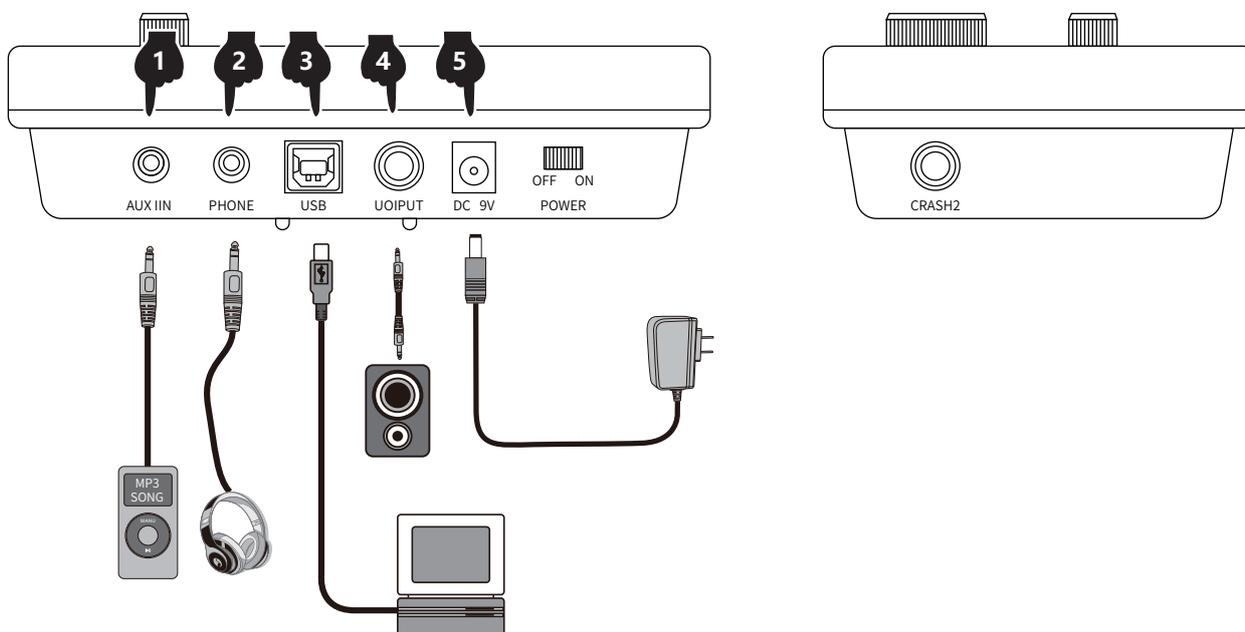




# Control Module Port Diagram

07

## Control Module Port Diagram



### 1 Audio Input Port

The audio input port allows the connection of external audio sources to the drum control module for playback, such as MP3 players, smartphones, and other line-level audio signals. (Figure 1)

### 2 Headphone Port

Connecting headphones allows you to monitor the nuances of your playing without disturbing others when not connected to external speakers. (Figure 2)

### 3 USB MIDI Port

The electronic drum's MIDI USB interface can be used to interact with other musical devices equipped with MIDI.

1. It enables learning, performing, composing, and storing functionalities through pre-installed software on computers or tablets. (Figure 3)
2. When connected to a computer or tablet, the device's audio output needs to be connected to the drum control module's audio input port to synchronize the sound effects. (Figure 3)

### 4 Audio Output Port

The audio output port can be connected to powered speakers (specific drum amplifiers recommended) and large sound systems. (Figure 4)

### 5 Power Cord Connection

1. Connect the power cord as shown, with one end plugged into the drum control module's power port and the other end into a 100-240V household electrical outlet. (Figure 5)
2. When the product is not in use for an extended period, please unplug the power cord and store it properly.



## Operation Guide

### 1 KIT: Drum Kit Mode

Upon powering on, the device defaults to Drum Kit Mode, indicated by a constantly lit key indicator showing "001," which represents Drum Kit 1. There are a total of 25 drum kits, with 1~20 being preset drum kits and U01~U05 being user drum kits. Drum kits can be adjusted using the number wheel or the [-] or [+] keys.

### 2 TRIGGER

Users can adjust the trigger parameters according to personal needs. There are three types of parameters: threshold, sensitivity, and crosstalk control, which can be switched through by pressing the [TRIGGER] key.

- A. Threshold is displayed as " Txx," with a range of 1~10.
- B. Sensitivity is displayed as " Sxx," with a range of 1~15.
- C. Crosstalk control is displayed as " Cxx," with a range of 0~9.

Can be adjusted via the numerical wheel



### 3 Plus and Minus Keys

Users can select their drum kit and return to the KIT page. Pressing both the plus and minus keys for 3 seconds resets to factory settings.

### 4 Song

There are 10 songs, displayed as "Sxx," with a range of 1~10, indicated by a constantly lit key indicator.

### 5 Tempo

Pressing the [TEMPO] key enters the song tempo adjustment page, displaying "xxx" with a range of 30~280.

### 6 Click

Short press the [CLICK] key to play and stop the metronome. Press and hold the [CLICK] key for 3 seconds to enter the metronome time signature adjustment. "x-x" is displayed, such as "4-4", which has 4 beats and 8 beats, which is 1/ 4~9/4, 1/8~9/8.

Can be adjusted via the numerical wheel

### 7 Record

Pressing the [REC] key, indicated by a constantly lit key indicator, starts recording the drumming. The indicator flashes during recording. Pressing the [REC] key again stops the recording and the indicator turns off.

### 8 Playback Stop

In recording mode, controls the playback and stop of the recording. On other pages, controls the playback and stop of the song.

### 9 Voice

There are three parameters that can be adjusted: sound, volume, and pitch, indicated by a constantly lit key indicator.

- D. Sound is displayed as " xxx," with a range of 1~200.
- E. Volume is displayed as " Lxx," with a range of 0~32.
- F. Pitch is displayed as " Pxx," with a range of -8~8.
- G. Transposition is displayed as " txx," with a range of -6~6.

Can be adjusted via the numerical wheel

### 10 Creating User Drum Kit

Press the VOICE key, then hit a drum pad to change its sound. Use the VOICE key to navigate through sound, volume, pitch, and transposition settings. Adjust each with the encoder. Repeat for other pads as needed. To save, press the number wheel (confirm) key until U01 flashes. Rotate it to choose a drum kit number (U01-U05) and press again to save.



# Appendix

## Drum Sounds

<b>KICK</b>	<b>HIHAT</b>	78	MIDTOM02	117	RIDEBELL3	156	LONG GUIRO
1 KICK01	39 CLOSED HH01	79	MIDTOM03	118	E_CYMBAL1	157	CLAVE
2 KICK02	40 CLOSED HH02	80	MIDTOM04	119	E_CYMBAL2	158	HI WOODBLOCK
3 KICK03	41 CLOSED HH03	81	MIDTOM05	120	E_CYMBAL3	159	LO WOODBLOCK
4 KICK04	42 CLOSED HH04	82	MIDTOM06	121	E_CYMBAL4	160	METED CUICA
5 KICK05	43 CLOSED HH05	83	MIDTOM07	122	E_CYMBAL5	161	OPEN CUICA
6 KICK06	44 CLOSED HH06	84	MIDTOM08	123	E_CYMBAL6	162	MUTED TRINGLE
7 KICK07	45 CLOSED HH07	85	MIDTOM09			163	OPEN TRINGLE
8 KICK08	46 PEDAL HH01	86	MIDTOM10	<b>PERCUSSION</b>		164	SHKER1
9 KICK09	47 PEDAL HH02	87	MIDTOM11			165	SHKER2
10 KICK10	48 PEDAL HH03	88	LOTOM1	124	HI_Q	166	JINGLEBELL
11 KICK11	49 PEDAL HH04	89	LOTOM2	125	SPACEHIT	167	BELL TREE
12 KICK12	50 PEDAL HH05	90	LOTOM3	126	X-RAY	168	CASTANETS1
13 KICK13	51 PEDAL HH06	91	LOTOM4	127	SLAP	169	CASTANETS2
14 KICK14	52 PEDAL HH07	92	LOTOM5	128	PUSH	170	MUTED SURDO
15 KICK15	53 OPEN HH01	93	LOTOM6	129	PULL	171	OPEN SURDO
	54 OPEN HH02	94	E_TOM1	130	STICK	172	TALKING DRUM
<b>SNARE</b>	55 OPEN HH03	95	E_TOM2	131	SQCLCK	173	TABLA1
16 SNARE01	56 OPEN HH04	96	E_TOM3	132	CLICK	174	TABLA2
17 SNARE02	57 OPEN HH05	97	E_TOM4	133	BELL	175	SNAP
18 SNARE03	58 OPEN HH06		<b>CYMBAL</b>	134	CLAP	176	DJEMBE1
19 SNARE04	59 OPEN HH07			135	TAMBRINE	177	DJEMBE2
20 SNARE05	60 HALF HH01	98	CRASH01	136	COWBELL1	178	DJEMBE3
21 SNARE06	61 HALF HH02	99	CRASH02	137	COWBELL2	179	CAJON1
22 SNARE07	62 HALF HH03	100	CRASH03	138	COWBELL3	180	CAJON2
23 SNARE08	63 QUATER HH01	101	CRASH04	139	COWBELL4	181	CAJON3
24 SNARE09	64 QUATER HH02	102	CRASH05	140	VIBRASLAP	182	TIMPANI1
25 SNARE10	65 QUATER HH03	103	CRASH06	141	HIBONGO	183	TIMPANI2
26 SNARE11	66 E_HIHAT1	104	CRASH07	142	LOBANGO	184	LOW GONG
27 SNARE12	67 E_HIHAT2	105	CRASH08	143	MUTED CONGA	185	E_LCLICKH
28 SNARE13	68 E_HIHAT3	106	CRASH09	144	HI CONGA	186	E_LCLICKL
29 SNARE14	69 E_HIHAT4	107	CRASH10	145	LO CONGA1	187	TAIKO
30 SNARE15		108	CRASH11	146	LO CONGA2	188	BELL
31 SNARE16	<b>TOM</b>	109	CRASH12	147	HI TIMBALE	189	BAN
32 SNARE17	70 HITOM1	110	CRASH13	148	LO TIMBALE	190	SIGU
33 SNARE18	71 HITOM2	111	CRASH14	149	HI AGOGO	191	DONG1
34 SNARE19	72 HITOM3	112	RIDE1	150	LO AGOGO	192	DONG2
35 SIDESTICK1	73 HITOM4	113	RIDE2	151	CABASA	193	MID_GONG
36 SIDESTICK2	74 HITOM5	114	RIDE3	152	MARACS	194	PIATTI
37 E_SNARE1	75 HITOM6	115	RIDEBELL1	153	SHORT WHISTLE	195	SMALL_GONG1
38 E_SNARE2	76 HITOM7	116	RIDEBELL2	154	LOONG WHISTLE	196	SMALL_GONG2
	77 MIDTOM01			155	SHORT GUIRO	197	CN_GONG1
						198	CN_GONG2
						199	ESCRCH
						200	DOWN

## Preset Drum Kits

01 Funk	04 Pop Rock	07 Standard	10 SpeedMetal	13 Modern
02 Original	05 Rock	08 Dancehall	11 Metal	14 Jazz
03 Metal	06 Songo	09 Seesion	12 ClassicDry	15 Blues

## User Custom Drum Kits

U01 U02 U03 U04 U05

## Demonstration Songs

001 POP	002 FUNK	003 ROCK	004 SAMBA	005 DANCE
006 DISCO	007 SWING	008 BALLADE	009 COUNTRY	010 WALTZ



## Product Maintenance

Proper maintenance and protection of this product play a crucial role in extending its lifespan and reducing malfunctions.

### 1 Avoid Heat ,Moisture,or Direct Sunlight

Do not expose the product excessively to direct sunlight, or place it near air conditioning units or in extremely hot locations.

### 2 Do not Use Near Television or Radios

This product may cause video or audio interference with televisions and radios. If this occurs, move the product away from the television or radio.

### 3 Do not Clean with Paint, Thinners, or Similar Chemicals

To clean surface stains on the product, use a soft, clean cloth lightly dampened with water or a specific cleaning solution.

### 4 Do not Shake or Subject to Impact

When moving the product, handle it with care. It is strictly forbidden to shake violently or collide with other objects, as this may damage the casing or internal electronic components.



## Safety Precautions

### POWER

Be sure to turn off the power when the product is not in use temporarily and unplug the power cord from the outlet when not in use for an extended period, storing it properly.



### Symbols

To ensure the safe and correct use of this product, to prevent injury to the user and others, as well as damage to property, this manual and the product itself are marked with a series of safety symbols. The various symbols and their meanings are as follows:

#### Warning

This symbol indicates that ignoring the content marked with this symbol and mishandling the product could lead to death or serious injury.

#### Caution

This symbol indicates that if this symbol is ignored and the product is operated incorrectly, there is a potential risk of personal injury or other financial damage.

### Symbol Examples



The triangular symbol indicates matters that the user should be aware of. (The example on the left is for electric shock hazard.)



The circle with a diagonal line through it indicates prohibited actions. The symbol inside or next to the circle indicates the specific prohibited action. (The example on the left is for no disassembly.)



The circle with a black background indicates actions that must be complied with. The symbol inside the circle indicates the specific action that must be followed. (The example on the left is for unplugging the power cord from the outlet.)



# Safety Precautions

## Warning

### Smoke, Odd Smell, Overheating

If the product produces smoke, emits an odd smell, or overheats, continuing to use it could lead to fire and electric shock. In such cases, immediately perform the following actions:

1. Turn off the power.
2. Unplug the power cord from the electrical outlet.
3. Contact your dealer.

### Power Cord

1. Improper use of the power cord can lead to fire and electric shock. The following precautions be observed:

- Use only the designated power cord specified for this product.
- Use only AC power sources with output voltages within the rated voltage range for household use.
- Do not overload wall outlets and extension cords.



2. Mishandling the power cord, causing it to become damaged or frayed, can lead to fire and electric shock. The following precautions must be observed:

- Do not place heavy objects on the power cord or subject it to heat.
- Do not attempt to modify the power cord or bend it excessively.
- Do not twist or pull the power cord.
- If the power cord or plug is damaged, replace it with one of the same type and specifications



3. Never touch the power cord or plug with wet hands, as this could lead to electric shock.



4. Use the power cord in places where it will not be splashed with water. Water can cause fire and electric shock.



5. Do not place vases or any other container filled with water on the product. Water can cause fire and electric shock



6. Do not allow minors to plug or unplug the power cord or touch the connection panel. Minors lack knowledge of electrical safety, which could lead to electric shock.



## Notice

Improper use of the power cord can result in fire and electric shock. The following precautions must be observed:

- Never place the power cord near stoves or other heat sources.
- When unplugging from the power outlet, do not pull on the power cord. Always grasp the plug itself.
- Ensure the power cord is fully inserted into the outlet.
- Before connecting or disconnecting the power cord, always make sure the power is turned off.
- During thunderstorms or when going on trips or leaving for an extended period, unplug the power cord from the wall outlet
- At least once a year, unplug the power cord from the wall outlet and clean the accumulated dust around the plug.



### Do Not Dispose of This Product in Fire

- Never place this product in fire. Doing so can cause the product to burn and its internal electronic components to explode, leading to fire and injury.



### Water and Foreign Objects

Water, other liquids, or foreign objects (such as metal pieces) entering the product can cause fire and electric shock. In such cases, immediately perform the following actions:

1. Turn off the power.
2. If using a power cord for power supply, unplug it from the wall outlet.
3. Contact your dealer.



### Disassembly and Modification

Do not disassemble or modify this product in any way. Doing so could lead to electric shock, burns, or other personal injuries. All internal inspections, adjustments, and maintenance should be referred to your dealer





# Safety Precautions

## Dropping or Impact

Using this product after it has been dropped or subjected to a strong impact poses a risk of fire and electric shock. In such cases, immediately perform the following actions:

1. Turn off the power.
2. If using a power cord for power supply, unplug it from the wall outlet.
3. Contact your dealer.



## Plastic Bags

Do not let anyone put the plastic bags used for packaging this product over their head or in their mouth, as it poses a risk of suffocation. Families with small children should pay particular attention to this.



## Maintain Distance from This Product and Its Stand

Climbing on the stand can cause it to tip over or get damaged, posing a risk. Families with small children should pay particular attention to this.



## Placement

Avoid placing this product on uneven surfaces or any other unstable locations. Doing so can cause the product to fall, posing a risk of injury.



## Moving the Product

Before moving this product, you must first unplug the power cord from the wall outlet and disconnect all other cables and connections. Failing to do so can result in damage to the cables, leading to fire and electric shock.



## Cleaning

Before cleaning this product, you must first unplug the power cord from the wall outlet to avoid the risk of fire and electric shock.



## Ports

Only specified devices and equipment should be connected to the ports of this product. Connecting unspecified devices or equipment can cause fire and electric shock.



## Location Selection

Avoid placing this product in locations that might lead to fire and electric shock, such as:

- Areas with high temperatures or excessive dust.
- Kitchens or other areas prone to oily smoke.
- Direct sunlight exposure or any other conditions that could cause the product to overheat.



## Volume

Do not listen to music at high volumes for long periods. This is especially important when using headphones. Excessive volume can damage your hearing.



## Heavy Objects

Do not place heavy objects on this product. Doing so can make the product top-heavy, causing it to tip over or objects to fall off, which could lead to injury.



## Proper Stand Assembly

Improper assembly of the stand can cause it to tip over, leading to the product falling and potential injury. Therefore, it is essential to assemble the stand following the instructions provided in the installation guide to ensure the product is securely mounted on its stand.





# Warranty Card

## Warranty Terms

1. Faults occurring under normal use of this product are eligible for free warranty service for \_\_\_\_ days from the date of purchase.
2. To receive warranty service during the warranty period, this warranty card and the purchase receipt must be presented at the time of repair.
3. The following conditions will not be covered by free warranty service:
  - A. Damage caused by improper use by the user.
  - B. Faults caused by irresistible factors such as fire, flooding, earthquakes, lightning strikes, etc.
  - C. Faults caused by unauthorized disassembly.
4. After the warranty period, our company will still provide repair services but will charge a cost-based fee.

**Repair point:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Contact number:** \_\_\_\_\_

## Maintenance records

Date	Maintenance records	Maintenance man

