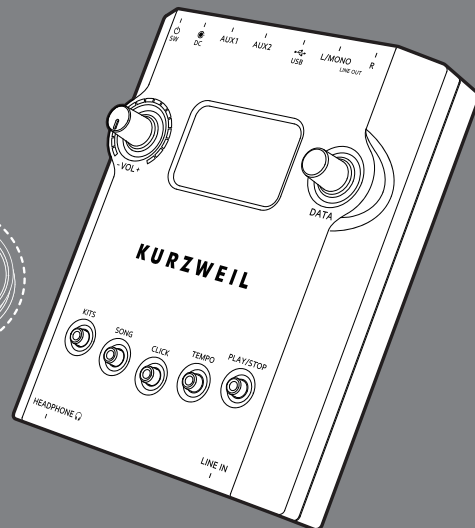
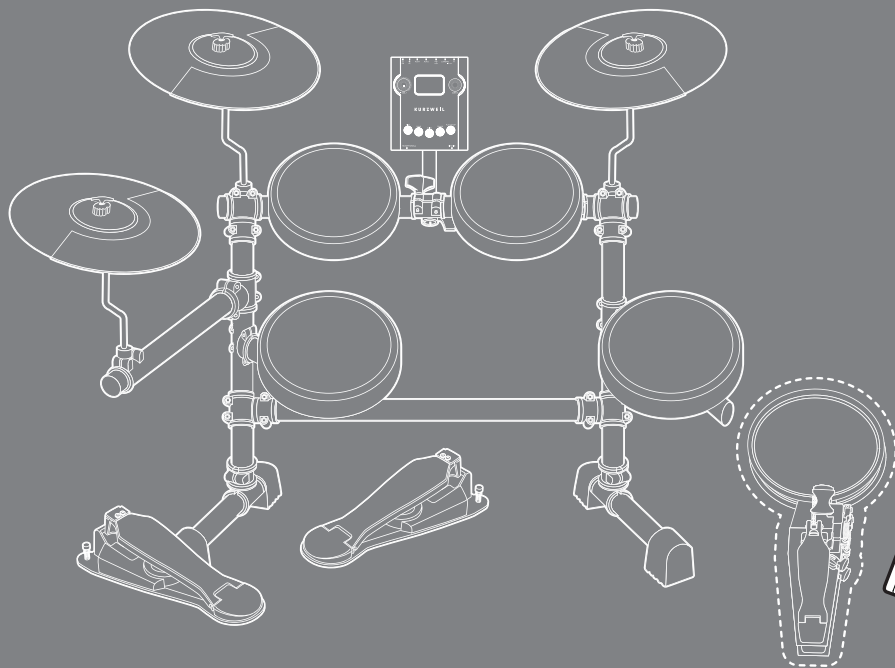


**KURZWEIL®**

Electronic Drum Set

***KD15***

User Manual



**HDC YOUNG CHANG**

**KURZWEIL®**

- Thank you for purchasing this product.
- In order to use correctly, please be sure to read this owner's manual carefully, before proceeding.
- Please be sure to store this manual in a safe place so that you can refer back to it again as needed.
- This owner's manual is included the Product Warranty.
- The design and specifications of this product may change at any time without prior notice for product improvement.



The lightning flash with the arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## IMPORTANT SAFETY & INSTALLATION INSTRUCTIONS

### INSTRUCTIONS PERTAINING TO THE RISK OF FIRE ELECTRIC SHOCK , OR INJURY TO PERSONS

**WARNING:** When using electric products, basic precautions should always be followed, including the following:

1. Read all the Safety and Installation Instructions and Explanation of Graphic Symbols before using the product.
2. This product must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a power supply cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet which is properly installed and grounded in accordance with all local codes and ordinances.  
**DANGER:** Improper connection of the equipment-grounding conductor can result in an risk of electric shock. Do not modify the plug provided with the product - if it will not fit the outlet, have a proper outlet installed by a qualified electrician. Do not use an adaptor which defeats the function of the equipment-grounding conductor. If you are in doubt as to whether the product is properly grounded, check with a qualified serviceman or electrician.
3. Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
4. This product should only be used with a stand or cart that is recommended by the manufacturer.
5. This product, either alone or in combination with an amplifier and speakers or headphones, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
6. This product should be located so that its location or position does not interfere with its proper ventilation.
7. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
8. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
9. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.
10. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord, but grasp it by the plug.
11. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
12. The product should be serviced by qualified service personnel when :  
A. The power supply cord or the plug has been damaged;  
B. Objects have fallen, or liquid has been spilled into the product;  
C. The product has been exposed to rain;  
D. The product does not appear to be operating normally or exhibits a marked change in performance;  
E. The product has been dropped, or the enclosure damaged.
13. Do not attempt to service the product beyond that described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.
14. **WARNING:** Do not place objects on the product's power supply cord, or place the product in a position where anyone could trip over, walk on, or roll anything over cords of any type. Do not allow the product to rest on or be installed over cords of any type. Improper installations of this type create the possibility of a fire hazard and/or personal injury.

## RADIO AND TELEVISION INTERFERENCE

**WARNING:** Changes or modifications to the instrument not expressly approved by Young Chang could void your authority to operate the instrument.

**IMPORTANT:** When connecting this product to accessories and/or other equipment use only high quality shielded cables.

**NOTE:** This instrument 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 instrument 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 instrument does cause harmful interference to radio or television reception, which can be determined by turning the instrument 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 instrument and the receiver.
- Connect the instrument into an outlet on a circuit other than the one to which the receiver is connected.
- If necessary consult your dealer or an experienced radio/television technician for additional suggestions.

The normal function of this product may be disturbed by strong electro magnetic interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in another location.

### NOTICE

This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

### AVIS

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

**SAVE THESE INSTRUCTIONS**

# IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Allow adequate ventilation for the power adapter. Do not hide it under a carpet or behind a curtain or place it in an enclosed space where heat buildup can occur. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 9) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.



- 10) Only use attachments/ accessories specified by the manufacturer.
- 11) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 12) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**Warning :** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

To completely disconnect this equipment from the AC Mains, disconnect the power supply cord plug from the AC receptacle.



# Contents

## Before Using

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## Usage

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# Precautions

- PLEASE READ CAREFULLY BEFORE PROCEEDING.  
Please keep this manual in a safe place for future reference.

## ▶ Safety information

### WARNING

- Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. Supplier cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

### Power supply/AC power adaptor

- Use the specified adaptor only. Using the wrong adaptor can result in damage to the instrument or overheating. In this case, it causes serious damage to the product. Therefore it cannot be repaired free of charge.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.
- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Do not place the power cord in a place where people can step on or trip over them.
- Please plug in the power cord correctly. An unstable connection can cause a fire.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.
- Do not use multiple devices to a single multiple-connector. Doing so can cause overheating in the outlet.

### Do not open

- This instrument contains no user-serviceable parts. Do not open the instrument or attempt to disassemble or modify the internal components in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified service center.

### Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have it inspected by qualified service center.
- Never insert or remove an electric plug with wet hands.

### Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.
- Do not place the unit near heat sources such as heaters or radiators.

### If you notice any abnormality

- When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. Then have the device inspected by service center.
  - The power cord or plug becomes frayed or damaged.
  - It emits unusual smells or smoke.
  - Some object has been dropped into the instrument.
  - There is a sudden loss of sound during use of the instrument.

# Precautions

## ▶ Safety Information

### CAUTION

- Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. Supplier cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

### Power supply/AC power adaptor

- Use the specified adaptor only.
- When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.
- Do not connect the instrument to an electrical outlet using a multiple-connector. Doing so can result in lower sound quality, or possibly cause overheating in the outlet.

### Location

- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation.
- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise.
- Do not place the instrument in an unstable position where it might accidentally fall over. Protect the unit from strong impact. (Do not drop it!).
- Before moving the instrument, remove all connected cables, to prevent damage to the cables.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned

- off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Do not block any of the ventilation openings.

### Connections

- Before connecting the instrument to other electronic components, turn off the power for all components. Before turning the power on or off for all components, set all volume levels to minimum.
- Be sure to set the volumes of all components at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

### Handling and Maintenance

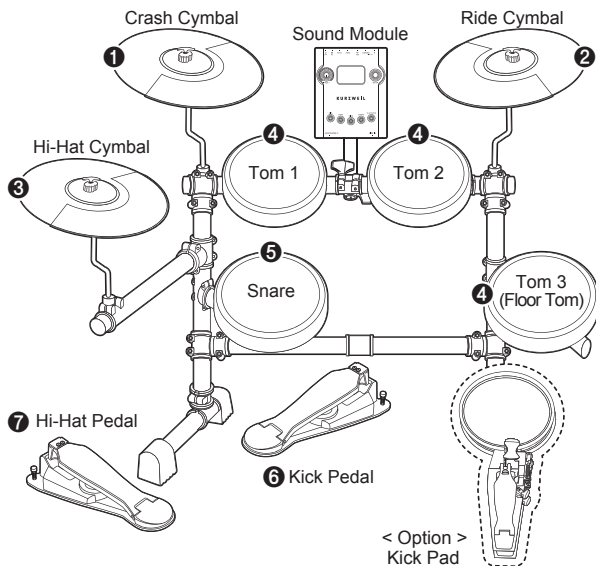
- When cleaning the instrument, use a soft, dry cloth. Do not use the paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the instrument.

### Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Do not rest your weight on, or place heavy objects on the instrument, and do not use excessive force on the buttons, switches or connectors.
- Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.

# Component Names & Functions

## ▶ Drum parts



- 1 Crash Cymbal** : The 10 inch cymbal that supports Edge, Bow playing sound and Choke function.
- 2 Ride Cymbal** : The 10 inch cymbal that supports Ride crash, Bell playing sound and Choke function.

**3 Hi-Hat Cymbal** : The 10 inch cymbal that changes playing sound according to the operation of the hi-hat controller.

- **Open Hi-Hat** : The foot is not released or stepped on the pedal.
- **Half Open Hi-Hat** : The pedal is in the middle position.
- **Close Hi-Hat** : When the pedal is fully depressed.
- **Foot Control Chick** : When you press the pedal, the Hi-Hat sound being played will be muted and played.

**4 Tom 1/2/3 and Tom 4 (if equipped)**: The 8-inch pad that supports Head playing sound.

**5 Snare** : The 8-inch mesh pad that supports three sounds as below.

- **Head** : Plays center of the mesh.
- **Side Stick** : Plays rim of the pad.
- **Rim Shot** : Simultaneously plays rims of the mesh and pad.

**6 Kick Pedal** : The kick pedal supports Bass playing sound. (Pad mode : The 8-inch mesh and foot pedal allow you to use the Hall sensor type pad mode, which can be expressed with a simple operation.)

### < Bass Drum Mode switching method >

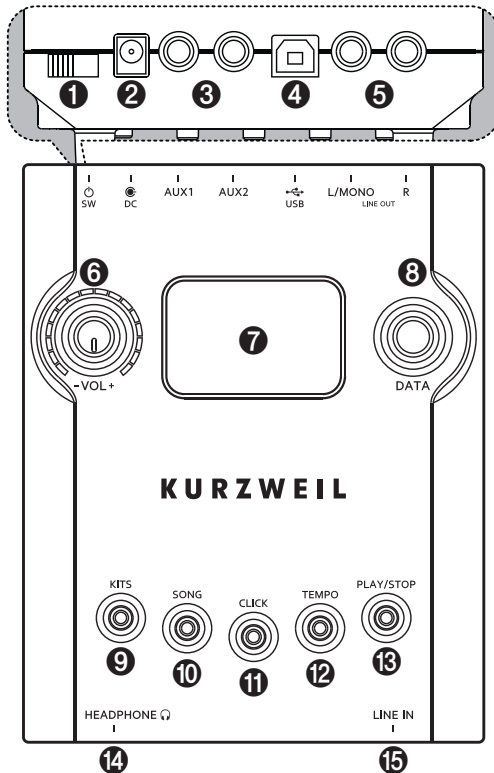
**KITS** button and turn on the Power > Version display > Displays the changed mode and drum number as below.

- **Switch mode (b\_S)** : Use the dedicated switch pedal.
- **Pad mode (b\_P)** : Use the dedicated pad type foot pedal.

**7 Hi-Hat Pedal** : Controls the high-hat symbol. (Be sure to use a dedicated non-contact magnetic sensor pedal)

# Component Names & Functions

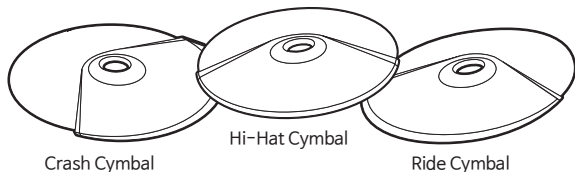
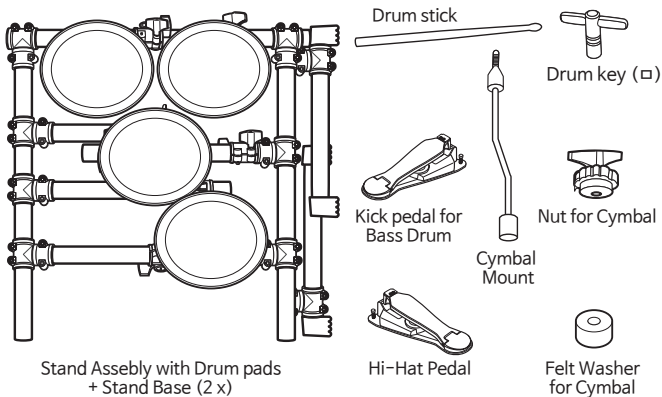
## ▶ Rear panel



- 1 POWER [ ⏻SW ] Switch :** Turns drum module on and off.
- 2 DC IN [ ⏻DC ] Jack :** Connects DC plug of AC adaptor.
- 3 AUX 1 (Crash Cymbal 2) / AUX 2 (Floor Tom) Ports :** Connects to output jack of the Crash Cymbal and Floor Tom via a 6.35mm TRS connector.
- 4 USB [ 🔄 ] Port :** Connects your PC or smartphone via USB MIDI cable.
- 5 LINE OUT (R, L/MONO) Ports :** Connects to external amplifier or audio system.
- 6 VOLUME Dial :** Adjust volume level.
- 7 Display Window :** Shows information of unit or playback status.
- 8 DATA Dial :** Changes/selects your item.
- 9 KITS Button :** Selects a drum kits.
- 10 SONG Button :** Selects a Song for your practice.
- 11 CLICK button :** Selects a built-in Metronome. (When the Rhythm mode, turns Metronome function on or off.)
- 12 TEMPO button :** Selects a Tempo.
- 13 PLAY/STOP button :** Starts or stops playback of the selected Rhythm, Metronome, or Practice Song.
- 14 HEADPHONE [ 🎧 ] port :** Connects plug of stereo headphones.
- 15 LINE IN port :** Connects external audio source (Smartphone, MP3 Player).

# Installing

## ▶ Checking the components



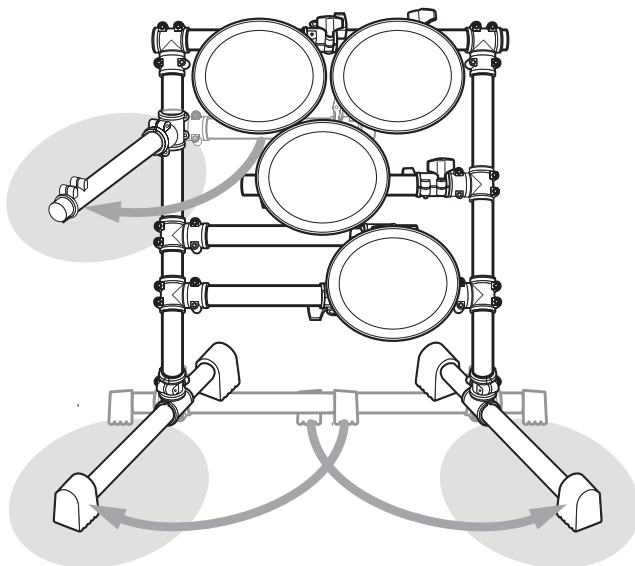
AC Adaptor



Connection Cable  
for Pads/Pedals

## ▶ Assembling

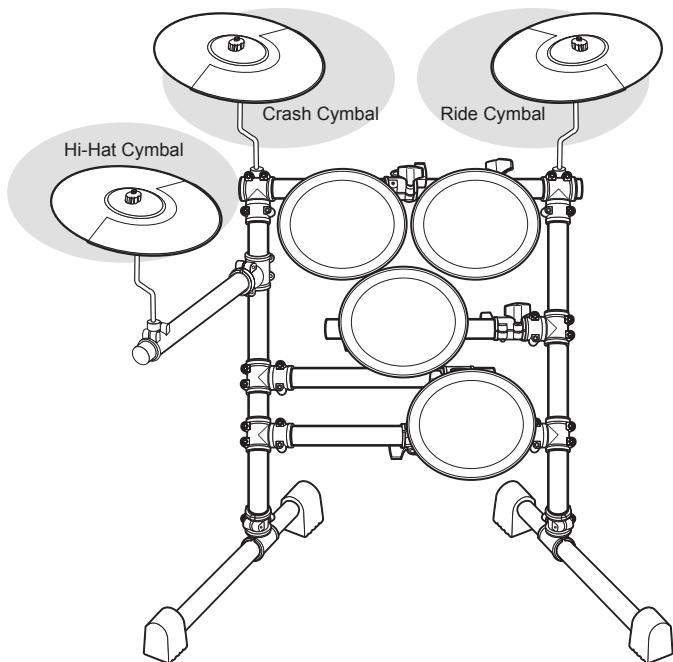
1. Assemble the stand base on the stand, and spread the appropriate angle between the symbol connecting rod and the stand base.



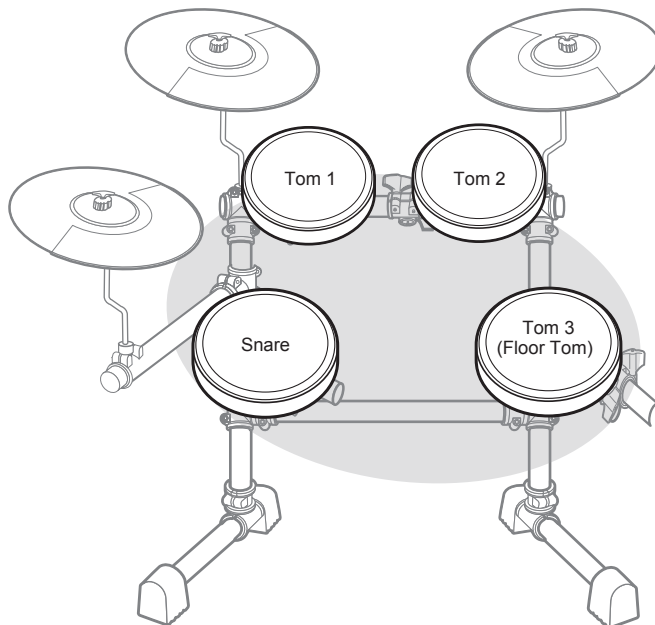
# Installing

## ▶ Assembling

2. Attach the three cymbals to the stand using the stopper.



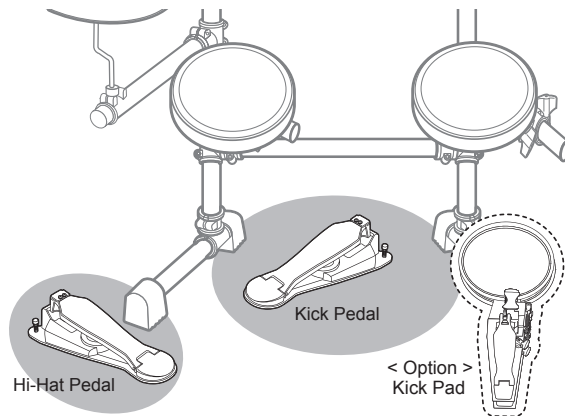
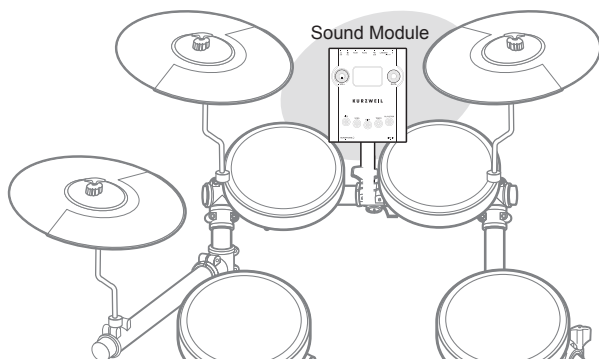
3. Expand Tom1/ Tom2 / Tom3 and adjust to the proper position.



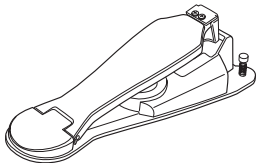
# Installing

## ▶ Assembling

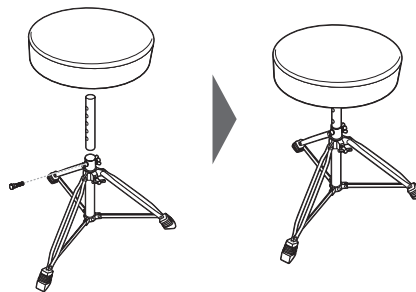
4. Attach the Sound Modulæ to the stand.



5. Attach the Kick pedal to the Bass Drum and place the pedal for Hi-Hat Controller in the proper position.



5. If equipped, attach the additional part such as the drum chair.

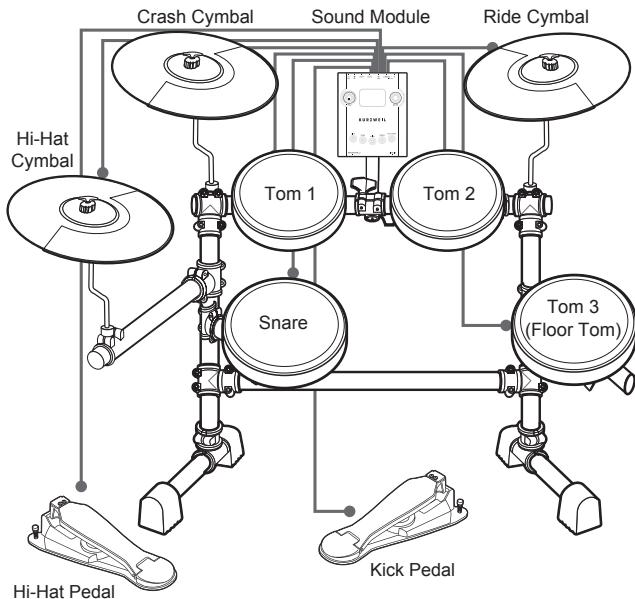




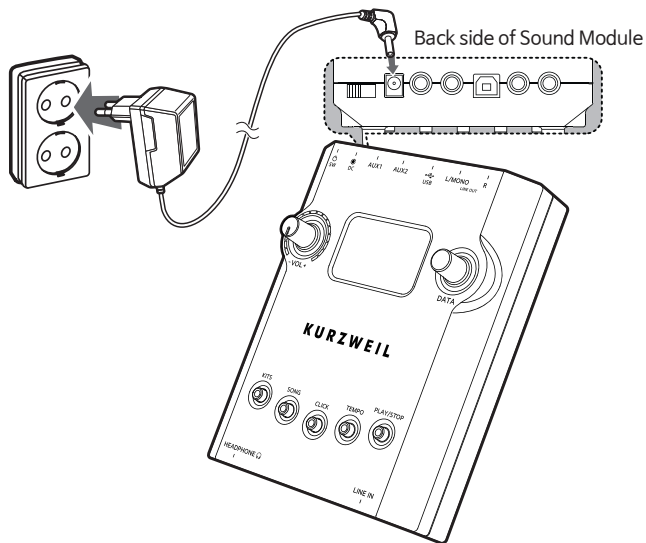
# Installing

## ▶ Assembling

7. Connect the all pads, Cymbal and Controller to the Sound Module by using the Connection cable.



8. Connect the power th the Sound Module using the AC Adapter.

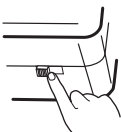


# Getting started

## ▶ Turning the unit on/off



1. Insert the power adaptor's **DC plug** into the **DC IN** [ ] port on the rear panel.



2. Slide to the left the **POWER** [ ] switch on the control panel to turn the power on.

U12 > 201

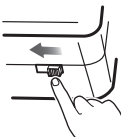
- When power is turned on, the display will show model name and system version and then launch a basic drum kit.



3. During the basic drum kit displayed, turn the **DATA** dial to select the desired drum kit.

211

- This system provides 31 preset drum kits. (See next page "Drum Kits List")



4. Slide to the right the **POWER** [ ] switch on the control panel to turn the power off.

## ▶ Adjusting the volume



1. Turn the **MASTER** dial to adjust the volume level of the unit.

## ▶ Adjusting the tempo



1. When playing a rhythm or click, press the **TEMPO** button to show the current tempo.

100



2. Turn the **DATA** dial to adjust the desired tempo.

40 ..... 250

- You can adjust the tempo from 40 to 250.

# Drum kit

## ▶ Selecting a drum kit



1. Press the **KITS** button to show the current drum kits.

d.11



2. Turn the **DATA** dial to select desired drum kit.

d.01 ..... d.31

- The following drum kits are available on this system.

No.	Drum Kit Name
d.01	Pop1
d.02	Pop2
d.03	Studio1
d.04	Studio2
d.05	Studio3
d.06	Garage
d.07	Jazz
d.08	Indie
d.09	Hard Rock
d.10	Old Rock
d.11	Funky Jazz1
d.12	Funky Jazz2
d.13	Fusion

No.	Drum Kit Name
d.14	Dance
d.15	Electric
d.16	Modern
d.17	Latin
d.18	Alternate
d.19	Bubinga
d.20	Samba
d.21	Custom1
d.22	Custom2
d.23	Pop Live
d.24	Club Dance
d.25	Progress
d.26	GM Standard
d.27	GM Room Set
d.28	GM Power Set
d.29	GM Elec Set
d.30	Percurssion 1
d.31	Percurssion 2

# Drum kit

## ▶ Using the Metronome

CLICK



1. Press the **CLICK** button to display the current metronome setting, then the metronome operation starts.

2.01



2. Turn the **DATA** dial to select a Beat type.

2.01 ..... 2.40

- You can select the Beat type from c.01 to c.12. (See next page "Beat List")

TEMPO



3. Press the **TEMPO** button, then turn the **DATA** dial to select desired tempo.

40 ..... 250



# Practice mode

## ▶ Playing Song

SONG



1. Press the **SONG** button to show the current Song.

5.01



2. Turn the **DATA** dial to select the desired Song.

5.01 ..... 5.44

- This system provides 44 Songs. (See next page "Song List")

PLAY/STOP



3. Press the **PLAY/STOP** button or hit each pad/cymbal to start playback. The song will begin after the start guide signal.

PLAY/STOP



4. To stop playback, press the **PLAY/STOP** button.






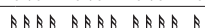
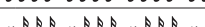
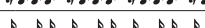
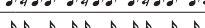
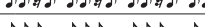
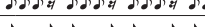
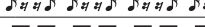
# Notes

## ▶ Song List

No.	Song Name
s.01	Acid Jazz
s.02	Ballade Beat
s.03	Bigband
s.04	Break Beat
s.05	Cha Cha
s.06	Cool Soul
s.07	Dancy Pop
s.08	Dixie
s.09	Easy Beat
s.10	Easy Rock
s.11	Easy Soul
s.12	Fast Funk
s.13	Folk
s.14	Funk Shuffle
s.15	Funk
s.16	Hard Rock
s.17	Hard Rock 2
s.18	Hip Hop
s.19	Jazz Dance
s.20	Mambo
s.21	Polka
s.22	Pop Rock

No.	Song Name
s.23	Pop Swing
s.24	Pop
s.25	Pop Disco
s.26	Pop Ballade
s.27	Pop Waltz
s.28	R & B Ballade
s.29	Real Soul
s.30	Reggae
s.31	Rock Beat
s.32	Rock Folk
s.33	Salsa
s.34	Samba
s.35	Shuffle
s.36	Slow Beat
s.37	Slow Pop
s.38	Soft Beat
s.39	Soul
s.40	Standard Pop
s.41	Swing
s.42	Techno
s.43	Techno Pop
s.44	Waltz

## ▶ Beat List

No.	Rhythm	Description
c.01	No.Quarter	
c.02	Eighth	
c.03	Eighth	
c.04	Eighth Triplet	
c.05	Eighth Triplet	
c.06	Sixteenth	
c.07	Sixteenth	
c.08	Sixteenth	
c.09	Sixteenth	
c.10	Sixteenth	
c.11	Sixteenth	
c.12	Sixteenth Triplet	

## Notes

## ▶ MIDI Implementation Chart

Function		Transmitted	Recognized	Remarks
Basic Channel	Default Changed	10	1 ~ 8 & 10 ~ 16	
	Default Messages Altered	x x x *****	x Mode 3 x *****	
Note Number	True voice	0 ~ 127 *****	0 ~ 127 0 ~ 127	
Velocity	Note ON	0 ~ 127	0 ~ 127	
	Note OFF	x	0 ~ 127	
After Touch	Key's	x	x	
	Channel's	x	x	
Pitch Bend		x		
Control Change	0	x	○	Bank Select
	1	x	○	Modulation
	4	x	○	Foot Control
	5	x	○	Portamento Time
	6	x	○	Data Entry
	7	x	○	Volume
	10	x	○	Pan
	11	x	○	Expression
	64	x	○	Sustain Pedal
	65	x	○	Portamento On/Off
	66	x	○	Sostenuto Pedal
	67	x	○	Soft Pedal
	71	x	○	Resonance
72	x	○	Release Time	
73	x	○	Attack Time	
74	x	○	Cut Off	
80	x	○	Reverb Program	
81	x	○	Chorus Program	
90	x	○	Reverb Level	
91	x	○	Chorus Level	
120	x	○	All Sound OFF	
121	x	○	Reset All Controller*1	
123	x	○	All Notes OFF*1	
Program Change		x	○	
System Exclusive		x	○	
System common	Song Position	x	x	
	Song Select Tune	x	x	
System Real Time	Clock	x	x	
	Commands	x	x	
Aux Messages	Local ON/OFF	x	x	
	All Notes OFF	x	x	
	Active Sense	○	x	
	Reset	x	x	

Mode 1 : Omni On, Poly Mode 2 : Omni On, Mono  
Mode 3 : Omni Off, Poly Mode 4 : Omni Off, Mono

O : Yes      X : No  
Notes \*1 Except 9, 10 Channel

# Notes

## ▶ Specifications

<b>Display</b>	3 x 7 LED Display
<b>Switch Controls</b>	KITS, SONG, CLICK, TEMPO, PLAY/STOP
<b>Volum Controls</b>	VOLUME, DATA
<b>Drum Kits</b>	31 Preset Kits
<b>Connections</b>	Headphone (3.5 mm Jack), Line In (3.5 mm Jack), AUX 1/2 Out (6.5 mm Jack), Line Out (L/Mono, R 6.35 mm Jack) , USB MIDI, Triger In (25 d-sub jack)
<b>Power Supply</b>	AC Adaptor (10 V / 500 mA)

**KURZWEIL®**

**HDC YOUNG CHANG** 196, Bongsu-daero, Seo-gu,  
Incheon, Korea