



Digital Percussion

# DD-75

Owner's Manual



Before using the instrument, be sure to read "PRECAUTIONS" on page 5–6.



## SPECIAL MESSAGE SECTION

This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha.

**WARNING:** Do not place this product in a position where anyone could walk on, trip over, or roll anything over power or connecting cords of any kind. The use of an extension cord is not recommended! If you must use an extension cord, the minimum wire size for a 25' cord (or less) is 18 AWG. NOTE: The smaller the AWG number, the larger the current handling capacity. For longer extension cords, consult a local electrician.

This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product.

### **SPECIFICATIONS SUBJECT TO CHANGE:**

The information contained in this manual is believed to be correct at the time of printing. However, Yamaha reserves the right to change or modify any of the specifications without notice or obligation to update existing units.

This product, either alone or in combination with an amplifier and headphones or speaker/s, may be capable of producing sound levels that could cause permanent hearing loss. DO NOT operate for long periods of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.

**IMPORTANT:** The louder the sound, the shorter the time period before damage occurs.

Some Yamaha products may have benches and / or accessory mounting fixtures that are either supplied with the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured **BEFORE** using.

Benches supplied by Yamaha are designed for seating only. No other uses are recommended.

### **NOTICE:**

Service charges incurred due to a lack of knowledge relating to how a function or effect works (when the unit is operating as designed) are not covered by the manufacturer's warranty, and are therefore the owners responsibility. Please study this manual carefully and consult your dealer before requesting service.

### **ENVIRONMENTAL ISSUES:**

Yamaha strives to produce products that are both user safe and environmentally friendly. We sincerely believe that our products and the production methods used to produce them, meet these goals. In keeping with both the letter and the spirit of the law, we want you to be aware of the following:

### **Battery Notice:**

This product **MAY** contain a small non-rechargeable battery which (if applicable) is soldered in place. The average life span of this type of battery is approximately five years. When replacement becomes necessary, contact a qualified service representative to perform the replacement.

This product may also use "household" type batteries. Some of these may be rechargeable. Make sure that the battery being charged is a rechargeable type and that the charger is intended for the battery being charged.

When installing batteries, never mix old batteries with new ones, and never mix different types of batteries. Batteries **MUST** be installed correctly. Mismatches or incorrect installation may result in overheating and battery case rupture.

### **Warning:**

Do not attempt to disassemble, or incinerate any battery. Keep all batteries away from children. Dispose of used batteries promptly and as regulated by the laws in your area. Note: Check with any retailer of household type batteries in your area for battery disposal information.

### **Disposal Notice:**

Should this product become damaged beyond repair, or for some reason its useful life is considered to be at an end, please observe all local, state, and federal regulations that relate to the disposal of products that contain lead, batteries, plastics, etc. If your dealer is unable to assist you, please contact Yamaha directly.

### **NAME PLATE LOCATION:**

The name plate is located on the bottom of the product. The model number, serial number, power requirements, etc., are located on this plate. You should record the model number, serial number, and the date of purchase in the spaces provided below and retain this manual as a permanent record of your purchase.

Model

---

Serial No.

---

Purchase Date

---

## PLEASE KEEP THIS MANUAL

92-BP (bottom)

### FCC INFORMATION (U.S.A.)

**1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

**2. IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.

**3. NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee

that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries.

\* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.

(class B)

#### OBSERVERA!

Apparaten kopplas inte ur växelströmskällan (nätet) så länge som den är ansluten till vägguttaget, även om själva apparaten har stängts av.

**ADVARSEL:** Netspændingen til dette apparat er IKKE afbrudt, så længe netledningen sidder i en stikkontakt, som er tændt — også selvom der er slukket på apparatets afbryder.

**VAROITUS:** Laitteen toisiopiiriin kytketty käyttökytin ei irroita koko laitetta verkosta.

(standby)

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

**Model No.** \_\_\_\_\_

**Serial No.** \_\_\_\_\_

(bottom\_en\_01)

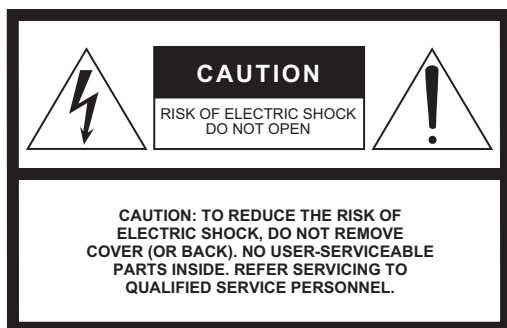
## For AC adaptor

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\_sengen\_C)

### CAN ICES-3 (B)/NMB-3(B)

(can\_b\_02)



### Explanation of Graphical Symbols



The lightning flash with 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 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 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.
- 9 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.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the 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.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 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.

(UL60065\_03)

# PRECAUTIONS

## PLEASE READ CAREFULLY BEFORE PROCEEDING

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

### For AC adaptor



#### WARNING

- This AC adaptor is designed for use with only Yamaha electronic instruments. Do not use for any other purpose.
- Indoor use only. Do not use in any wet environments.
- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.



#### CAUTION

- When setting up, make sure that the AC outlet is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch of the instrument and disconnect the AC adaptor from the outlet. When the AC adaptor is connected to the AC outlet, keep in mind that electricity is flowing at the minimum level, even if the power switch is turned off. When you are not using the instrument for a long time, make sure to unplug the power cord from the wall AC outlet.

### For DD-75



#### 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. These precautions include, but are not limited to, the following:

#### Power supply/AC adaptor

- 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.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 54) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

#### 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 Yamaha service personnel.

#### Water warning

- Do not expose the instrument to rain, use it near water or in damp or wet conditions, or 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 the instrument inspected by qualified Yamaha service personnel.
- 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.

#### Battery

- Follow the precautions below. Failure to do so might result in explosion, fire, overheating or battery fluid leakage.
  - Do not tamper with or disassemble batteries.
  - Do not dispose of batteries in fire.
  - Do not attempt to recharge batteries that are not designed to be charged.
  - Keep the batteries separate from metallic objects such as necklaces, hairpins, coins, and keys.
  - Use the specified battery type (page 54) only.
  - Use new batteries, all of which are the same type, same model, and made by the same manufacturer.
  - Always make sure all batteries are inserted in conformity with the +/- polarity markings.
  - When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument.
  - When using Ni-MH batteries, follow the instructions that came with the batteries. Use only the specified charger device when charging.
- Keep batteries away from small children who might accidentally swallow them.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

#### 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. (If you are using batteries, remove all batteries from the instrument.) Then have the device inspected by Yamaha service personnel.
  - 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.



## CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the instrument or other property. These precautions include, but are not limited to, the following:

### Power supply/AC adaptor

- 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.
- 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.
- Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.

### Location

- Do not place the instrument in an unstable position where it might accidentally fall over.
- Before moving the instrument, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.
- 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.

### 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 caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel. This could cause physical injury to you or others, damage to the instrument or other property, or operational failure.
- 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.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the instrument, or data that is lost or destroyed.

Always turn the power off when the instrument is not in use.

Even when the [  ] (Standby/On) switch is in standby status (display is off), electricity is still flowing to the instrument at the minimum level.

When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

Make sure to discard used batteries according to local regulations.

## NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

### ■ Handling

- 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. When you use the instrument along with an application on your iPad, iPhone or iPod touch, we recommend that you set "Airplane Mode" to "ON" on that device in order to avoid noise caused by communication.
- 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 discoloration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F)
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or pads.

### ■ Maintenance

- When cleaning the instrument, use a soft cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.

### ■ Other cautions

- The rubber parts of the pads include anti-deterioration agents and other components to help maintain long-term quality. Depending on the storage or operating environment, these components may appear on the surface as whitish dust (blooming), but this has no effect on product performance and functions, and the product can continue to be used with confidence. Also, stick marks may be present on the pads, but these are the result of product inspection. If you are bothered by blooming or stick marks, wipe the pads firmly with a dry, soft cloth or a soft cloth that has been moistened with water and thoroughly wrung out.

- The rubber parts of the pads may become discolored due to changes over time, but this has no effect on product performance and functions.

### ■ Saving data

- The saved data may be lost due to some failure, an operation mistake, etc. Save your important data onto an external device such as a computer (page 38).

## Information

### ■ About copyrights

- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles contents in which Yamaha owns copyrights or with respect to which Yamaha has license to use others' copyrights. Due to copyright laws and other relevant laws, you are NOT allowed to distribute media in which these contents are saved or recorded and remain virtually the same or very similar to those in the product.
  - \* The contents described above include a computer program, Accompaniment Style data, MIDI data, WAVE data, voice recording data, a score, score data, etc.
  - \* You are allowed to distribute medium in which your performance or music production using these contents is recorded, and the permission of Yamaha Corporation is not required in such cases.

### ■ About this manual

- The illustrations as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- iPhone, iPad, iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

**Thank you for purchasing this Yamaha Digital Percussion!**  
**We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument. We also recommend that you keep this manual in a safe and handy place for future reference.**

## About the Manuals

---

This instrument has the following documents and instructional materials.

### ■ Included Documents



#### **Owner's Manual (this book)**

This document explains how to use the instrument.

### ■ Online Materials (downloadable from the Internet)



#### **iPhone/iPad Connection Manual**

Explains how to connect the instrument to smart devices, such as iPhone, iPad, etc.



#### **Computer-related Operations**

Includes instructions on connecting this instrument to a computer, and operations related to transferring song data.



#### **MIDI Reference**

Contains MIDI-related information.

To obtain these manuals, access the Yamaha Downloads, and then the model name for searching the desired files.

**Yamaha Downloads**

<https://download.yamaha.com/>

## Included Accessories

---

- Owner's Manual (this book)
- Drum stick (1 pair)
- Foot Pedal 1 & 2
- AC adaptor\*
- Warranty\*
- Online Member Product Registration

\*: May not be included depending on your particular locale. Check with your Yamaha dealer.

# Main Features

## ■ Designed for comfortable playing

Each of the drum pads are angled and positioned on the panel for optimum playability and comfort. The pads and pedal 1 can be adjusted independently over four levels, allowing for expressive drumming—not only with the supplied sticks, but also for playing with your hands, by simply setting it to Hand Percussion mode (page 18).

## ■ Realistic drum sound – Stereo Sampling

You can choose and play with 570 Voices, which provide for a variety of percussion sounds, from realistic drum sounds (created with Stereo Sampling) to ethnic percussion sound of Japanese drum, Asia, Latin America and beyond.

## ■ 75 Drum kits

The instrument contains 75 drum kits of different genres for you to choose from. Moreover, the Voices can be assigned to each drum pads and pedals to create your own original drum kits.

## ■ 105 Songs

The instrument features 22 Songs including the Demos, and 83 Patterns that cover a wide variety of music genres. You can play along with the full playback, or mute tracks and play the missing parts.

## ■ AUX IN Jack

This jack is for connection to an external audio source, letting you play the instrument with music and accompaniment.

### Compatible Formats and Functions



#### GM System Level 1

“GM System Level 1” is an addition to the MIDI standard which ensures that any GM-compatible music data can be accurately played by any GM-compatible tone generator, regardless of manufacturer. The GM mark is affixed to all software and hardware products that support GM System Level.



#### XGlite

As its name implies, “XGlite” is a simplified version of Yamaha’s high-quality XG tone generation format. Naturally, you can play back any XG song data using an XGlite tone generator. However, keep in mind that some songs may play back differently compared to the original data, due to the reduced set of control parameters and effects.



# Contents

|                             |           |
|-----------------------------|-----------|
| PRECAUTIONS .....           | 5         |
| NOTICE .....                | 6         |
| Information .....           | 6         |
| About the Manuals .....     | 7         |
| Included Accessories .....  | 7         |
| <b>Main Features .....</b>  | <b>8</b>  |
| <b>Panel Controls .....</b> | <b>10</b> |

## Setting Up

|                                                    |           |
|----------------------------------------------------|-----------|
| <b>Setting Up .....</b>                            | <b>12</b> |
| Power Requirements .....                           | 12        |
| Connecting Pedals 1 and 2 .....                    | 13        |
| Turning the Power On/Off .....                     | 13        |
| Setting the Battery Type .....                     | 13        |
| Adjusting the Master Volume .....                  | 14        |
| Setting the Auto Power Off function .....          | 14        |
| Setting the Master EQ Type .....                   | 14        |
| Connecting Headphones or<br>External Speaker ..... | 14        |
| Using a Snare Drum Stand .....                     | 15        |

## Basic Operations

|                                                                                                  |           |
|--------------------------------------------------------------------------------------------------|-----------|
| <b>Playing the Demo Song .....</b>                                                               | <b>16</b> |
| <b>Play the Pads/Pedals .....</b>                                                                | <b>17</b> |
| Pad Names .....                                                                                  | 17        |
| Setting the Hand Percussion ON/OFF .....                                                         | 18        |
| Hand Percussion Lock .....                                                                       | 18        |
| Selecting and Playing a Drum Kit .....                                                           | 19        |
| Assigning Voices to Individual Pads and Pedals<br>and Saving to a Custom Kit (“C0 1”–“C 10”) ... | 20        |
| Setting the Reverb type .....                                                                    | 21        |
| Setting the Pad Sensitivity .....                                                                | 22        |
| Setting the Click ON/OFF .....                                                                   | 25        |
| Click Settings .....                                                                             | 25        |
| <b>Playing a Song .....</b>                                                                      | <b>28</b> |
| Selecting and Playing a Song .....                                                               | 28        |
| Tap Start .....                                                                                  | 29        |
| Pad Start .....                                                                                  | 30        |
| Setting the Auto Kit Select ON/OFF .....                                                         | 31        |
| Adjusting the Tempo .....                                                                        | 32        |

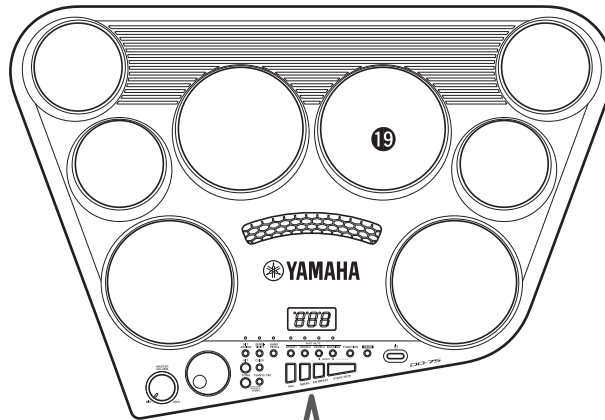
|                                                                      |           |
|----------------------------------------------------------------------|-----------|
| <b>Play along with a Song .....</b>                                  | <b>33</b> |
| Setting the Track ON/OFF .....                                       | 33        |
| Break .....                                                          | 33        |
| Using A-B Repeat .....                                               | 34        |
| <b>Recording a Song .....</b>                                        | <b>35</b> |
| Recording .....                                                      | 35        |
| Playing the recorded song .....                                      | 36        |
| Song Clear .....                                                     | 37        |
| <b>Connecting to External Devices ...</b>                            | <b>38</b> |
| Connecting to External MIDI Devices .....                            | 38        |
| Connecting to a Computer .....                                       | 38        |
| Playing an External Audio Device<br>with the Built-in Speakers ..... | 39        |

## Appendix

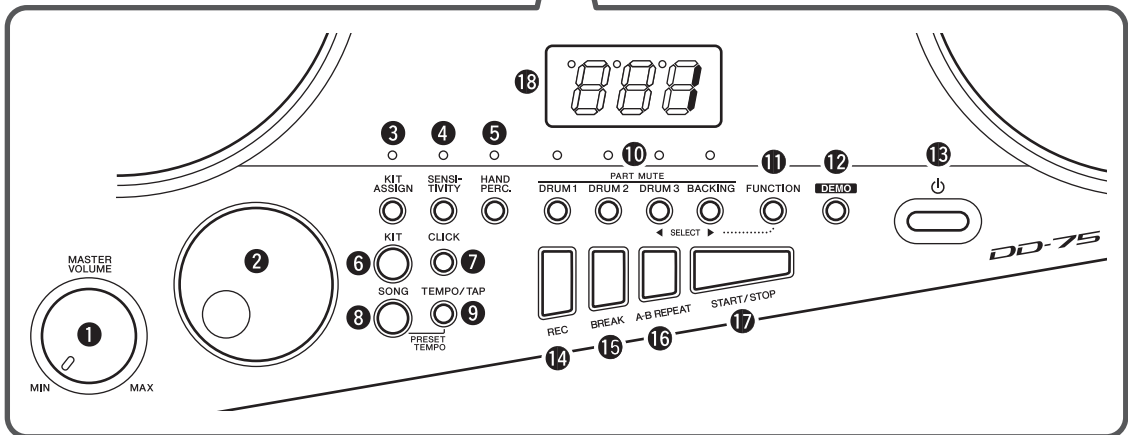
|                                        |           |
|----------------------------------------|-----------|
| <b>The Functions .....</b>             | <b>40</b> |
| <b>Backup and Initialization .....</b> | <b>41</b> |
| <b>Troubleshooting .....</b>           | <b>42</b> |
| <b>Drum Voice List .....</b>           | <b>43</b> |
| <b>Song List .....</b>                 | <b>47</b> |
| <b>Drum Kit List .....</b>             | <b>48</b> |
| <b>Drum Score .....</b>                | <b>52</b> |
| <b>Specifications .....</b>            | <b>54</b> |
| <b>Index .....</b>                     | <b>55</b> |

# Panel Controls

## Front Panel



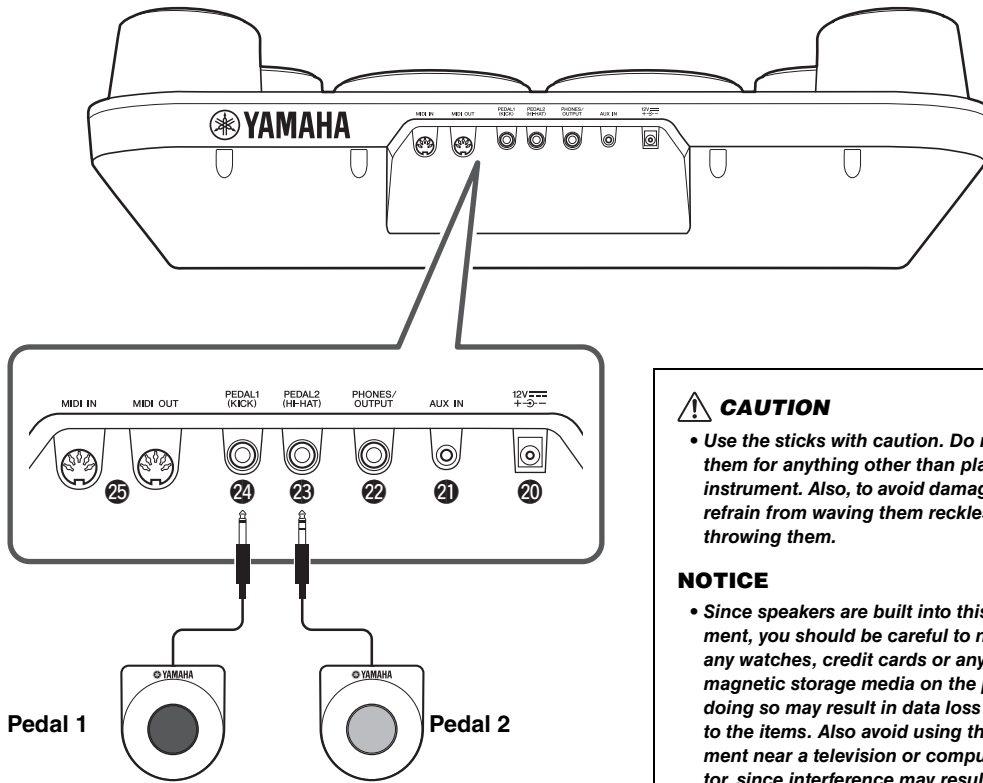
Indicates the song number when power is turned on.



## Front Panel

|                                             |    |                                 |    |
|---------------------------------------------|----|---------------------------------|----|
| ① MASTER VOLUME control.....                | 14 | ⑪ FUNCTION button .....         | 40 |
| ② Dial .....                                | 13 | ⑫ DEMO button .....             | 16 |
| ③ KIT ASSIGN button.....                    | 20 | ⑬ [ ] (Standby/On) switch ..... | 13 |
| ④ SENSITIVITY button .....                  | 22 | ⑭ REC button .....              | 35 |
| ⑤ HAND PERC. button.....                    | 18 | ⑮ BREAK button .....            | 33 |
| ⑥ KIT button .....                          | 19 | ⑯ A-B REPEAT button .....       | 34 |
| ⑦ CLICK button .....                        | 25 | ⑰ START/STOP button.....        | 28 |
| ⑧ SONG button .....                         | 28 | ⑱ Display .....                 | 13 |
| ⑨ TEMPO/TAP button .....                    | 29 | ⑲ Drum pads (8).....            | 17 |
| ⑩ PART MUTE DRUM 1-3, BACKING buttons ..... | 33 |                                 |    |

Rear Panel



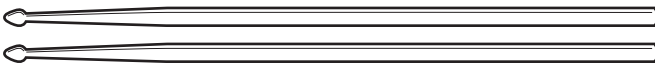
**CAUTION**

- Use the sticks with caution. Do not use them for anything other than playing the instrument. Also, to avoid damage or injury, refrain from waving them recklessly or throwing them.

**NOTICE**

- Since speakers are built into this instrument, you should be careful to never leave any watches, credit cards or any kind of magnetic storage media on the panel—doing so may result in data loss or damage to the items. Also avoid using this instrument near a television or computer monitor, since interference may result.

Drum Sticks



Rear Panel

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| ②① DC IN 12V (AC Adaptor) jack..... 12 | ②③ PEDAL 2 • HI-HAT jack..... 13  |
| ②① AUX IN jack ..... 39                | ②④ PEDAL 1 • KICK jack..... 13    |
| ②② PHONES/OUTPUT jack ..... 14         | ②⑤ MIDI IN/OUT terminals ..... 38 |

# Setting Up

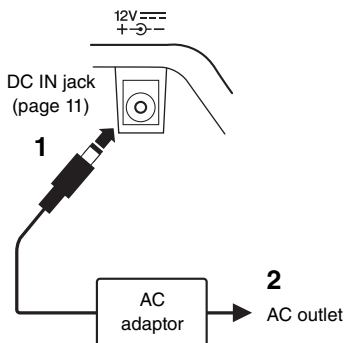
Be sure to do the following operations **BEFORE** turning on the power.

## Power Requirements

Although the instrument will run either from an AC adaptor or batteries, Yamaha recommends use of an AC adaptor whenever possible. An AC adaptor is more environmentally friendly than batteries and does not deplete resources.

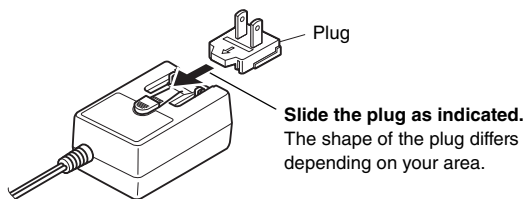
## Using an AC Adaptor

Make sure that the [ ] (Standby/On) switch is off, then connect the AC adaptor in the order shown in the illustration.



### WARNING

- Use only the specified AC adaptor (page 54). Using the wrong AC adaptor can result in damage to the instrument or overheating.
- When using the AC adaptor with a removable plug, make sure to keep the plug attached to the AC adaptor. Using the plug alone can cause electric shock or fire.
- Never touch the metallic section when attaching the plug. To avoid electric shock, short circuit or damage, also be careful that there is no dust between the AC adaptor and plug.



### CAUTION

- 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 the power off and disconnect the plug from the outlet.

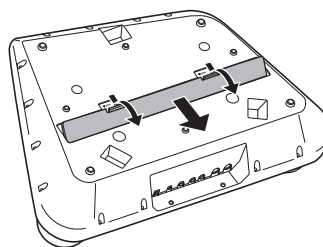
### NOTE

- Follow the order shown above in reverse when disconnecting the AC adaptor/power cord.

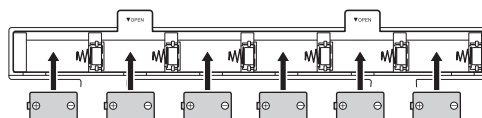
## Using Batteries

This instrument requires C size, Alkaline (LR14)/Manganese (R14) batteries, or rechargeable nickel-metal hydride batteries (rechargeable Ni-MH batteries). The Alkaline batteries or rechargeable Ni-MH batteries are recommended for this instrument, since other types may result in poorer battery performance.

- 1 Make sure that the power of the instrument is off.
- 2 Open the battery compartment cover located on the instrument's bottom panel.



- 3 Insert the six new batteries, being careful to follow the polarity markings on the inside of the compartment.



- 4 Replace the compartment cover, making sure that it locks firmly in place.

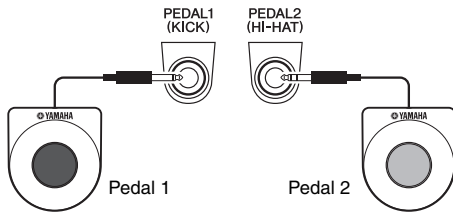
### NOTICE

- Connecting or disconnecting the power adaptor with batteries installed may turn the power off, resulting in loss of data being recorded or transferred at the time.
- Make sure to set the battery type correctly (page 13).
- When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries with new ones or already recharged ones.

### NOTE

- This instrument cannot charge the batteries. Use only an appropriate charger device when charging.
- Power will be automatically drawn from the AC adaptor if an AC adaptor is connected while batteries are installed in the instrument.

## Connecting Pedals 1 and 2



Connect the supplied Pedal 1 to the [PEDAL 1 (KICK)] jack and Pedal 2 to the [PEDAL 2 (HI-HAT)] jack.

### CAUTION

- Avoid getting caught in or tripping over the pedal cords; this may cause the instrument to fall and result in damage or injury.

### NOTICE

- Avoid using the pedals directly on a soft floor, since they may scratch the surface of the floor.

### NOTE

- Make sure that the pedal plugs are properly connected to the PEDAL jacks before turning on the power.
- Do not press the pedals while turning the power on. Doing this changes the recognized polarity of the pedal, resulting in reversed pedal operation.
- You can use an Electronic drum pad KP65 (sold separately) or an Electronic kick unit KU100 (sold separately) and hi-hat controller HH65 or HH40 (sold separately) plugging into the [PEDAL 1 (KICK)] jack and [PEDAL 2 (HI-HAT)].

## Turning the Power On/Off

- 1 Turn down the [MASTER VOLUME] dial to "MIN."



- 2 Press the [⏻] (Standby/On) switch to turn the power on.

The display lights up. Adjust the volume as desired while striking the pads.



When the power is turned on, Drum Kit number will appear after the "dd" item appears. Drum Kit number "1" is normally selected.

- 3 Press and hold the [⏻] (Standby/On) switch for about a second to turn the power off.

### CAUTION

- 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.

### NOTICE

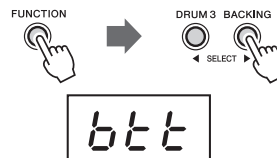
- Do not attempt any other operations, such as pressing buttons or the pedal. Doing so may cause the instrument to malfunction.
- Do not turn off the power while saving data (a "-" mark appears and moves from left to right on the display). Doing so can result in loss of data.

## Setting the Battery Type

Depending on the battery type to be used, you may need to change the battery type setting on this instrument. To change the setting, first turn on the power to the instrument, then choose the battery type you would like to use. Alkaline (and manganese) batteries are chosen by default.

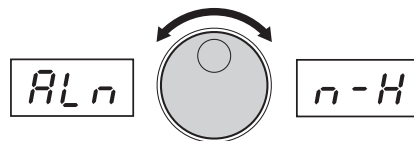
- 1 Press the [FUNCTION] button.

Press the [DRUM 3] or [FUNCTION] button a number of times until the "btt" item appears. The currently selected battery type appears next to the "btt" indication.



- 2 Change the battery type by turning the dial.

To select Ni-MH, turn the dial to the right (clockwise) until the "n-H" item appears, and to select Alkaline/Manganese, turn the dial to the left (counter-clockwise) until the "ALn" item appears.



- 3 Press the [FUNCTION] button to exit.

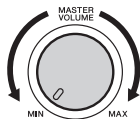


### NOTICE

- Failure to set the appropriate battery type may shorten the battery life. Make sure to set the battery type correctly.

## Adjusting the Master Volume

To adjust the volume of the entire pad/pedal sound, use the [MASTER VOLUME] dial while striking the pads or pressing the pedals.



### CAUTION

- Do not use the instrument for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss.

## Setting the Auto Power Off function

To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for a specified period of time. The amount of time that elapses before the power is automatically turned off is 30 minutes by default; however, you can change the setting as desired (page 40).

### Disabling Auto Power Off (simple method)

While holding down the [SONG] button, press the [⏻] (Standby/On) switch to turn the instrument on. The “P<sub>o</sub>F” item appears after the “d” to indicate the Auto Power Off function has been disabled.



## Setting the Master EQ Type

Master equalizer (EQ) settings give you the best possible sound when listening through different reproduction systems—the instrument’s internal speakers, headphones, or an external speaker system.

### 1 Enter the master EQ type setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “E 9L” item appears.

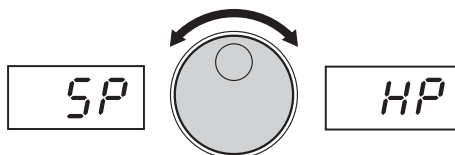
After a while, the current master EQ type appears next to the “E 9L” indication.



### 2 Select the desired master EQ type.

Turn the dial clockwise to set to “HP” (Headphone), and turn it counter-clockwise to set to “SP” (Speaker).

| Display         | Master EQ type                      |
|-----------------|-------------------------------------|
| HP              | for headphones or external speakers |
| SP<br>(Default) | for internal speakers               |

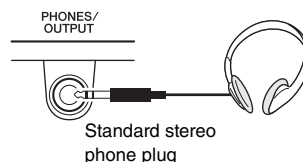


### 3 Press the [FUNCTION] button to exit from the Function mode.

FUNCTION



## Connecting Headphones or External Speaker



Connect a pair of headphones to the [PHONES/OUTPUT] jack. This jack also functions as an external output. By connecting to a computer, recorder, or other audio device, you can output the audio signal of this instrument to that external device. The speakers of this instrument are automatically shut off when a plug is inserted into this jack. You may also want to change the master EQ type setting to enjoy the optimum sound for either way of listening.

### CAUTION

- 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.
- Before connecting the instrument to other electronic components, turn off the power of all the components. Also, before turning any components on or off, make sure to set all volume levels to minimum. Otherwise, damage to the components or electrical shock may occur.

### NOTICE

- To avoid possible damage to the external device, first turn on the power to the instrument, then to the external device. When turning off the power, do so in reverse order: first turn off the power to the external device, then to the instrument.

## Using a Snare Drum Stand

This instrument can be installed on a snare drum stand (sold separately) for convenience and ease in playing.

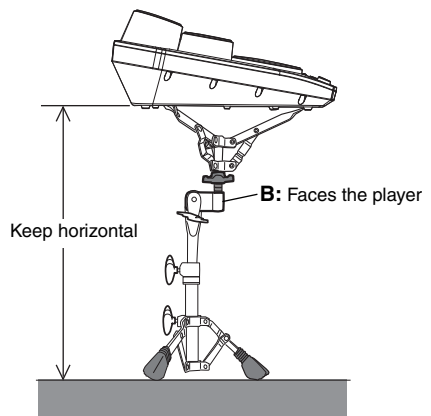
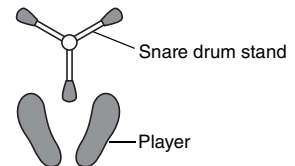
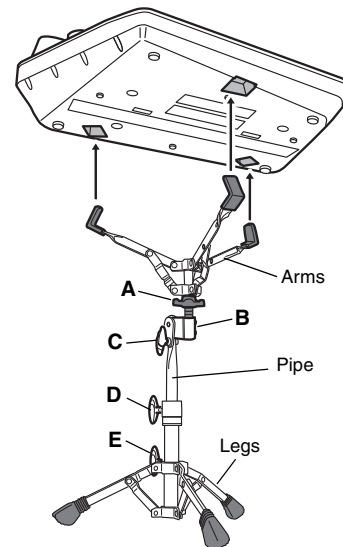
Snare drum stand (sold separately): SS662, SS740A

### ■ Setting Up

- Open the legs wide enough so that the snare drum stand is stable, but not so much that the pipe touches the floor. Tighten the wing nut **E**.
- As shown in the illustration, make sure to always position the snare drum stand so that one of the legs extends toward the player.
- Use wing nut **D** to adjust the height, and turn **B** so that it faces the player.
- Use wing nut **C** to adjust the angle of **B** so that the instrument is installed horizontally.
- Use rotary nut **A** to loosen the three arm basket to fit the three indentations on the bottom of the instrument.
- Make sure all the nuts are securely tightened.

### ■ To install the snare drum stand

Put the arm covers into the indentations on the bottom of the instrument, and tighten rotary nut **A** until the arms are secured. Make sure all the nuts are securely tightened.



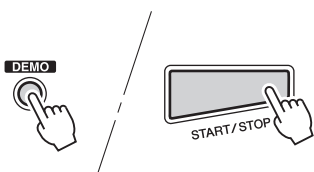
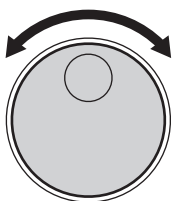
### ⚠ CAUTION

*Be sure to handle the snare drum stand with care. Follow the important precautions below. If not, the snare drum stand may overturn, causing the instrument to drop and damage, possibly resulting in personal injury.*

- *Always place the snare drum stand on a flat, stable surface.*
- *Do not apply excessive force to the instrument.*
- *Do not adjust the height of snare drum stand with the instrument installed.*
- *Remove the snare drum stand from the instrument before moving the instrument.*
- *Do not use the snare drum stand other than designated ones (page 54).*

# Playing the Demo Song

This instrument features several demonstration songs (“001”–“005”), specially created to show you the dynamic possibilities of the instrument.



## 1 Start the Demo Song.

Press the [DEMO] button and the demo song starts playing.

### NOTE

- With the Auto Kit Select feature turned on, the best suited Drum Kit for the song will automatically be selected. (See the “Setting the Auto Kit Select ON/OFF” on page 31.)

## 2 Select a Demo Song.

Use the dial to select a demo song (“001”–“005”).

## 3 Stop the Demo Song.

To stop playback, press the [DEMO] button again or press the [START/STOP] button.



# Play the Pads/Pedals

Strike the pad with the supplied drum sticks or your hands to play the drum voices. When playing the pads with your hands, turn the Hand Percussion feature on by pressing the [HAND PERC.] button (the lamp lights).

The sound volume of the pads responds to your playing; when you play soft the volume is soft, and when you play strongly the volume is loud.

## Pad Names

● Ex. shown, Drum Kit 1

A hi-hat sound is assigned to Pad 6 (Drum Kit 1). Striking Pad 6 while pressing Pedal 2 produces a closed hi-hat sound. Striking Pad 2 without pressing the pedal produces an open hi-hat sound. Pressing Pedal 2 produces a hi-hit pedal sound.

**Pad 5**  
211: Crash  
Cymbal Dark

**Pad 6**  
179: Hi-Hat  
Closed  
Bright

**Pad 2**  
102: Maple Tom 5

**Pad 3**  
103: Maple Tom 4

**Pad 7**  
210: Ride  
Cymbal Cup  
Warm

**Pad 8**  
208: Ride  
Cymbal  
Warm 1

**Pad 1**  
40: Maple Snare  
Open Rim

**Pad 4**  
105: Maple Tom 2



**Pedal 2**  
180: Hi-Hat Pedal Bright

Press Pedal 2 to control the Hi-hat.  
(This is in the case of Drum Kit 1; for other kits, this may control a different sound.)

**NOTE**

- When using Pedal 2, touch response does not function.



**Pedal 1**  
3: Maple Bass Drum 3

Pedal 1 features touch response; the volume responds to how hard you press the pedal.

**NOTE**

- If your pressing of the pedal is too slow or soft, there may be no sound.



## Setting the Hand Percussion ON/OFF

You can play the pads of the instrument either with the supplied sticks or with your hands. Press and set the following button when you play the instrument with your hands.



### 1 Press the [HAND PERC.] button.

When you press the [HAND PERC.] button, the button's lamp lights, and the pad sensitivity is automatically adjusted for optimum playing by hand. At the same time, an appropriate song (057) and drum kit (51) are automatically called up.

**NOTE**

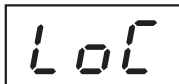
- Be sure to strike the pads only with your hands when HAND PERCUSSION is on.

## Hand Percussion Lock

If you perform on the instrument solely with your hands, we recommend that you use this operation to lock the Hand Percussion so that it is always on. This protects the instrument from being inadvertently changed during your performance.



Press and hold



### 1 Make sure that Hand Percussion is set to on (the lamp is lit).

### 2 Set the Hand Percussion Lock to ON.

Press and hold the [HAND PERC.] button until "LoL" appears on the display.

### 3 To turn off Hand Percussion Lock, press and hold the [HAND PERC.] button until the "LoL" is no longer shown on the display.

## Selecting and Playing a Drum Kit

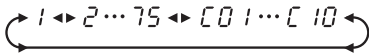
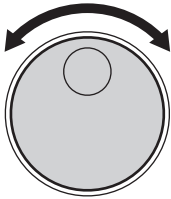
The instrument allows you to choose from 75 different Drum Kits, which are preset voice combinations set to the the eight pads and two pedals. (See “Drum Kit List” on page 48.)

The instrument also has ten Custom Drum Kits allowing you to assign the desired voices to the pads or pedals. (See “Assigning Voices to Individual Pads and Pedals and Saving to a Custom Kit (“[KIT] 1”–“[KIT] 10”)” on page 20.)



### 1 Press the [KIT] button.

When you press the [KIT] button, the currently selected Drum Kit number appears on the display.



### 2 Select a Drum Kit Number.

Turn the dial to select a Drum Kit number. Drum Kit numbers will increase as the dial is turned to the right (clockwise), and decrease as the dial is turned to the left (counter-clockwise).

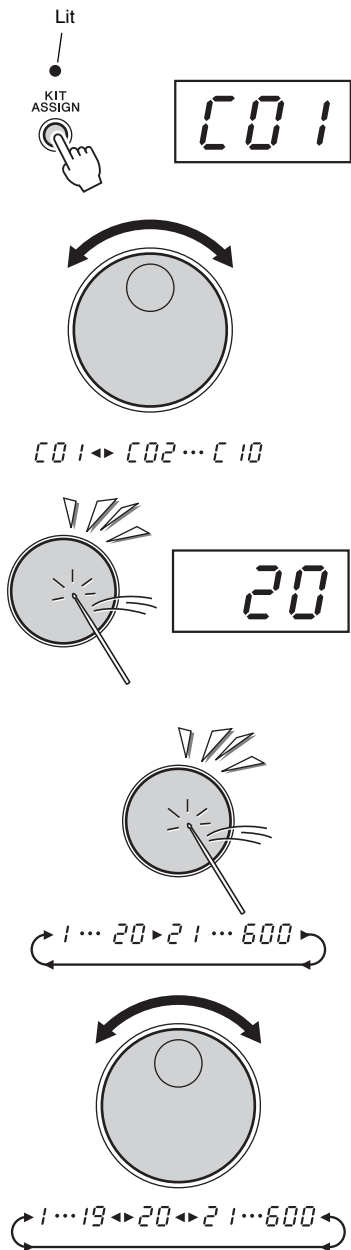
#### NOTE

- Drum Kit number “1” is normally selected when the power is turned on.
- Drum Kits “[KIT] 1”–“[KIT] 10” are Custom Kits.

\* Custom Kits are those that you’ve assigned the desired voices to each pad and pedal, then saved the entire assignments as a Kit. The initial settings of “[KIT] 1”–“[KIT] 10” are Drum Kit number 1. (See “Assigning Voices to Individual Pads and Pedals and Saving to a Custom Kit (“[KIT] 1”–“[KIT] 10”)” on page 20.)

## Assigning Voices to Individual Pads and Pedals and Saving to a Custom Kit ("C01"–"C10")

Drum Kit Voices can be changed and saved as a Custom Kit "C01"–"C10." The instrument contains a total of 570 high quality drum sounds plus 30 drum phrases (see the "Drum Voice List" on page 43)—and you can assign these freely to each of the 8 drum pads and 2 pedals. To call up the saved Custom Kit, press the [KIT] button and use the dial to select a Custom Kit number.



- 1 Select a Drum Kit ("1"–"75") you desired to change, then press the [KIT ASSIGN] button.**

When you press the [KIT ASSIGN] button, the button's lamp lights, and "C01" appears on the display.

- 2 Turn the dial and select a Custom Kit "C01"–"C10" for saving.**

- 3 Select a pad or pedal to be assigned.**

Strike any pad one time (or press a pedal), and the voice number of currently assigned Drum Kit is shown in the display.

- 4 Select a Voice Number.**

You can select the voice by repeatedly striking the pad or repeatedly pressing the pedal (while listening to the voice), or by turning the dial.

- **Striking the pad or pressing the pedal to select a voice.**

Every time the pad is struck or a pedal is pressed, voice numbers will increase by a value of one (1). In this method, you can hear and select an assigned voice.

- **Using the dial to select a voice.**

Turn the dial to the right (clockwise), and voice numbers will increase. Turn the dial to the left (counter-clockwise), and voice numbers will decrease.

To cancel, simply press the [KIT] button. See the "Drum Voice List" on page 43.

Repeat the previous steps **3** and **4** for any or all of the pads and pedals.

Unlit



### 5 Save to a Custom kit.

Press the [KIT ASSIGN] button to save to a Custom Kit (the lamp turns off).

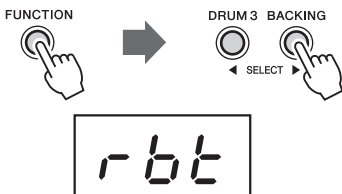
You can now play the voice you have assigned to the pad/pedal. To call up the saved Custom Kit, press the [KIT] button and use the dial to select a Custom Kit number.

**NOTE**

- The Reverb Type of the currently assigned Drum Kit will be carried over. To change the Reverb type, please refer to “Setting the Reverb type.”

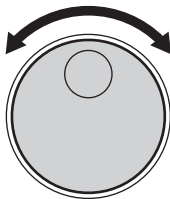
## Setting the Reverb type

This control adds reverberation to the sound by simulating the natural reverberation of a concert hall. The ideal Reverb type is automatically selected whenever you select a Kit, but you can change to any of the available Reverb types, if desired.



### 1 Enter the Reverb type setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “r b t” item appears. The currently selected Reverb type appears next to the “r b t” indication.



### 2 Change the reverb type by turning the dial.

| Display | Reverb Type |
|---------|-------------|
| oFF     | Off         |
| HR 1    | Hall 1      |
| HR 2    | Hall 2      |
| HR 3    | Hall 3      |
| ro 1    | Room 1      |

| Display | Reverb Type |
|---------|-------------|
| ro 2    | Room 2      |
| St 1    | Stage 1     |
| St 2    | Stage 2     |
| PL 1    | Plate 1     |
| PL 2    | Plate 2     |

FUNCTION



### 3 Press the [FUNCTION] button to exit from the Function mode.

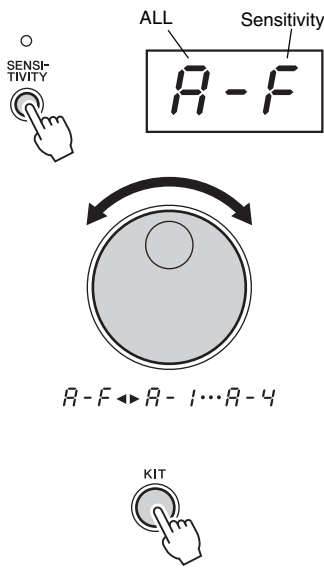
## Setting the Pad Sensitivity

The instrument allows you to custom-set the sensitivity of the pads and pedal 1 (excluding pedal 2).

- **Setting all pads and pedal to the same value** ..... page 22
- **Setting each pad and pedal to different values** ..... page 23

### ■ **Setting All Pads and Pedal to the Same Value**.....

The sensitivity value of pads and pedal can be set from F (Fix) and 1 to 4. The sensitivity value of pad 2 cannot be adjusted. The sensitivity increase according as the number. When you set to F, the sensitivity is stable, and is not affected by strength of your drumming. The default setting is 2.



#### **1 Press the [SENSITIVITY] button.**

When you press the [SENSITIVITY] button, the current sensitivity value appears in the display.

#### **2 Turn the dial and select a sensitivity value.**

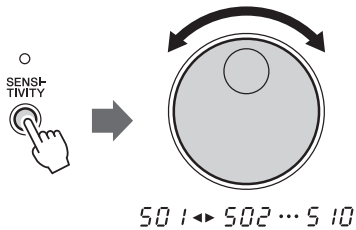
**NOTE**

- Default value is "R-2" (2).
- The settings "S0 1" to "S i0" let you set the sensitivity for each of the pads and pedal.

#### **3 Press the [KIT] button to exit from the Sensitivity setting mode.**

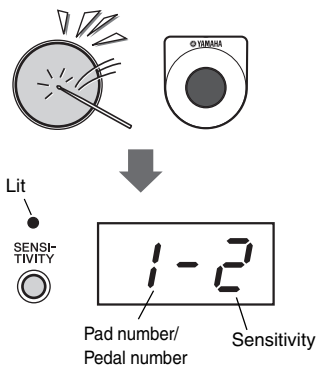
## ■ Setting each pad and pedal to different values.....

The instrument allows you to custom-set the sensitivity of the pads and pedal. The sensitivity value of pad 2 can not be adjusted.



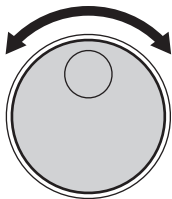
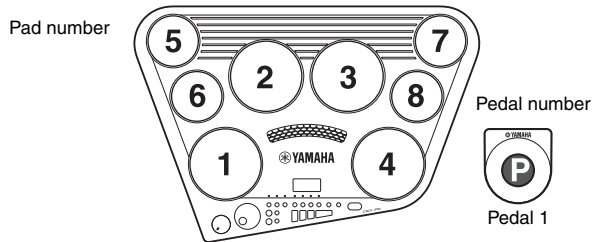
### 1 Press the [SENSITIVITY] button.

Turn the dial to select the destination to save from "50 1" to "5 10".



### 2 Strike a pad or press pedal 1.

To display the currently assigned sensitivity value for the pad or pedal 1. Make sure that the Pad number or Pedal number for which you wish to change the sensitivity value is shown on the display.



(Pad number/ Pedal number) - F ↔ (Pad number/ Pedal number) - 4

### 3 Turn the dial to change the value.

Value range is from F (Fix) and 1 to 4.  
To cancel the setting, press the [KIT] button.



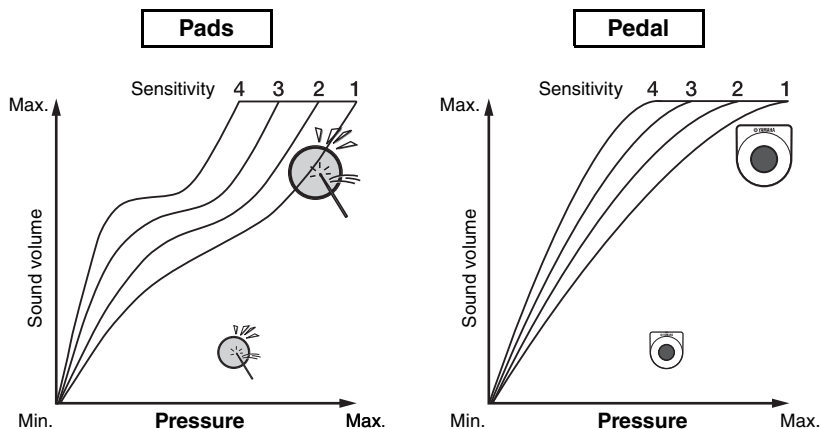
### 4 Press the [SENSITIVITY] button to save the setting.

### 5 Press the [KIT] button to exit from the Sensitivity setting mode.



### About the Sensitivity Setting

For beginning percussionists, we recommend setting the sensitivity level higher, in order to give a more consistent sound volume, even if the pads are hit weakly. For experienced percussionists, we recommend setting it to lower levels. The strength at which pads are hit is reflected directly, and more intense power is required to make a larger sound.



**NOTE**

- If the pedal sound volume is unstable, we recommend that you set the value to “P - F.”
- With an Electronic drum pad KP65 (sold separately) or Electronic kick unit KU100 (sold separately), the sound volume might seem low. Try increasing the volume setting sensitivity value.



### About the Pad Sound Mechanism

Each time you strike a pad, the sensor which is located at the bottom of the pad triggers an electronic signal and makes a drum sound.

If you strike a pad too strongly, nearby sensors may also respond to the hit and trigger unwanted sounds. This instrument is set to ignore weak signals from the pads in order to prevent inadvertent, unwanted sounds. However, this may result in problems when intentionally striking two pads simultaneously. If one pad is struck strongly and the other weakly, the pad struck weakly may not sound (even though you want it to).

To solve this, you can change the settings or alter your playing technique (as described below).

- **Striking two pads simultaneously results in one of the pads not sounding.**
  - Increase the pad sensitivity level. This may solve the problem if you strike one of the pads weakly.
  - Better yet, take care to strike both pads with equal force.
- **Striking one pad results in other pads also sounding, even though they were not struck.**
  - Lower the pad sensitivity level. With this setting, pads that are not struck are effectively kept from responding to strong hits on nearby pads.



## Setting the Click ON/OFF

The instrument includes a click sound with adjustable tempo and time signature.

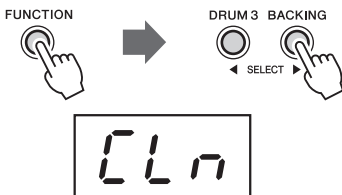


Press the [CLICK] button.  
The click sounds in rhythm at the current tempo.  
To turn the click off, press the button once again.

## Click Settings

### ■ Setting the numerator of the time signature .....

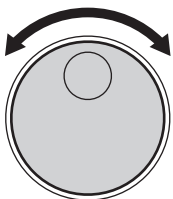
The range is 0 to 16. (The numerator is the top value; for example, in the time signature 6/8, “6” is the numerator.)



#### 1 Enter the numerator value setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “CLn” indication appears.

After a while, the current numerator value appears next to the “CLn” indication.



0 ◀▶ 1 ... 15 ▶▶ 16

#### 2 Set the numerator value of the time signature.

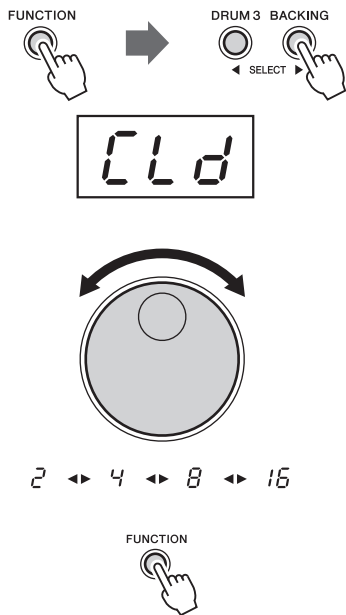
To raise the value, turn the dial to the right (clockwise), and to lower it, turn the dial to the left (counter-clockwise).



#### 3 Press the [FUNCTION] button to exit from the Function mode.

## ■ Setting the denominator of the time signature .....

Determines the basic note value for each measure; for example, in the time signature 6/8, “8” is the denominator, or basic note value.



### 1 Enter the denominator value setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “CLd” indication appears.

After a while, the current denominator value appears next to the “CLd” indication.

### 2 Set the denominator value of the time signature.

Set the denominator value to one of the values 2 (♩), 4 (♩), 8 (♩), 16 (♩) by using the dial.

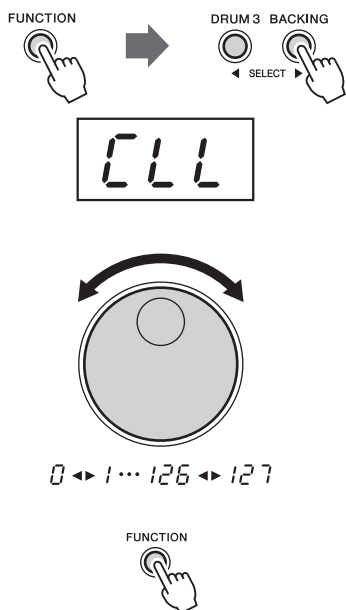
**NOTE**

- Default value is 4.

### 3 Press the [FUNCTION] button to exit from the Function mode.

## ■ Setting the click volume .....

Sets the click volume (range: 0–127).



### 1 Enter the click volume setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “CLL” indication appears.

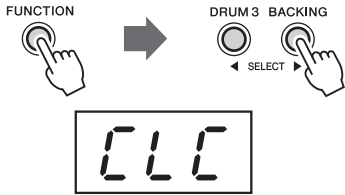
After a while, the current click volume will appear next to the “CLL” indication.

### 2 Set the click volume by using the dial.

### 3 Press the [FUNCTION] button to exit from the Function mode.

## ■ Setting the click voice .....

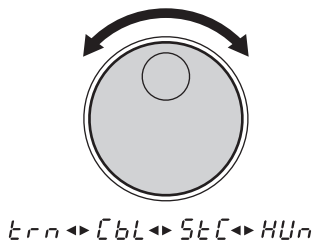
Set the click voice to Metronome, Cowbell, Stick or Human voice.



### 1 Enter the click voice setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of time until the “CLL” indication appears.

After a while, the current click voice appears next to the “CLL” indication.



### 2 Turn the dial and select a click voice.

| Item       | Click Voice                            |
|------------|----------------------------------------|
| <i>trn</i> | Metronome                              |
| <i>ClL</i> | Cowbell                                |
| <i>StC</i> | Stick (default)                        |
| <i>HUn</i> | Human voice (one, two, three, four...) |

### 3 Press the [FUNCTION] button to exit from the function mode.



Press the [CLICK] button to listen to the click voice.



# Playing a Song

This instrument features a wide variety of songs to choose and play: 105 songs, including 5 demos, 83 rhythm/fill-in patterns and 17 full songs. (See the “Song List” on page 47.)

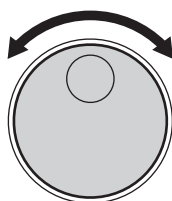
Selections “001”–“005” can also be used to playback songs you’ve recorded yourself and/or loaded from computer. Refer to the section “Transferring song files between the computer and instrument” on page 38 for details. Select one of the songs and listen to it.

## Selecting and Playing a Song



### 1 Press the [SONG] button.

When you press the [SONG] button, the current song number appears in the display.

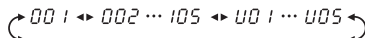


### 2 Select a Song Number.

Use the dial to select a song number. Song numbers will increase as the dial is turned to the right (clockwise), and decrease as the dial is turned to the left (counter-clockwise).

#### NOTE

- Song number “001” is automatically selected whenever the power is turned ON.
- With the Auto Kit Select feature turned on, selecting a song will also automatically select the best suited Drum Kit for that song. (See “Setting the Auto Kit Select ON/OFF” on page 31.)



“001”–“005” are User Songs which you’ve recorded yourself and/or loaded from computer.

Note that when you press [START/STOP] button, no sounds are played or LED lamps beneath the display remain unlit, if there is no data.

### 3 Press the [START/STOP] button.

When you press the [START/STOP] button, a one- or two-measure lead-in plays, and the song starts playing.

As the song is playing, the Song’s current measure will be shown in the display. Try playing the pads and pedals along with the song.

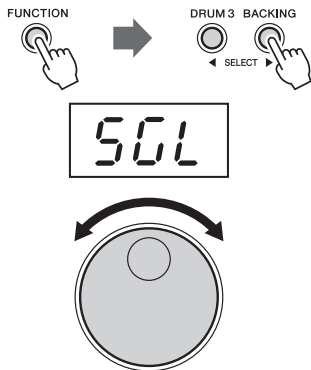
To stop playback of the song, press the [START/STOP] button once again.

#### NOTE

- Songs “001”–“005” have no lead-ins.
- You can also use the Tap Start function to start songs (page 29).



● **Song Volume**



The Song Volume can be used to adjust the balance between the song accompaniment and your own performance.

Enter the Function mode by pressing the [FUNCTION] button, then press the [DRUM 3] or [BACKING] button a number of times until the “VOL” item appears. The current Song volume value appears when it is released.

To raise the value, turn the dial to the right (clockwise), and to lower it, turn the dial to the left (counter-clockwise). Volume range is from 0 to 127.

Exit from the Function mode by pressing the [FUNCTION] button.

**NOTE**

- The balance between the song accompaniment and your own performance cannot be adjusted when you playback a demo song from the [DEMO] button.

● **About the Beat Indicator**

During song playback, the three beat lamps in the display will flash in a specific pattern to help you in keeping the beat.

For a song in 4/4 time at a tempo of 120 bpm (page 32):

| 1st beat | 2nd beat | 3rd beat | 4th beat |
|----------|----------|----------|----------|
|          |          |          |          |

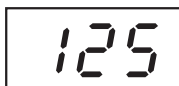
## Tap Start

The Tap Start function allows you to set the song’s overall tempo as well as start the accompaniment—simply by tapping out the rhythm.

The accompaniment will playback at the tempo with which the pads are struck or the pedals are pressed. The song tempo can be set anywhere from 32 to 320 beats per minute.



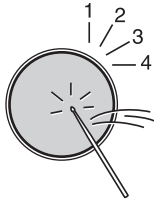
Tempo: 125



**1 Press the [TEMPO/TAP] button.**

While song playback is stopped, press the [TEMPO/TAP] button. All three of the beat lamps flash, indicating the instrument is set to Tap Start standby.

To cancel the Tap Start mode, simply press the [SONG] button once again.



## 2 Play an appropriate Tap Start.

In the case of a song in 4/4, strike any pad or press any pedal (or the [TEMPO/TAP] button) four times, at a constant tempo, and the accompaniment will start at the desired tempo.

**NOTE**

- The number of times needed to strike the pad will change according to the following time signatures; 5/4, 5 times; 4/4, 4 times; 3/4, 3 times; 6/8, 2 times.

## 3 Stop the Song playback.

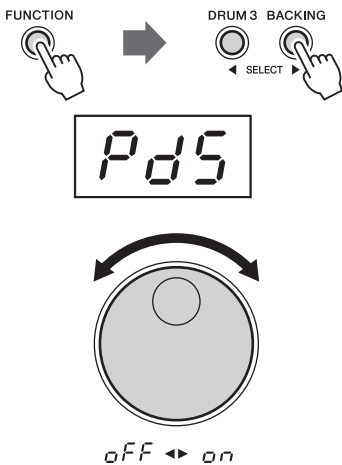
Press the [START/STOP] button and the song accompaniment will stop.

**NOTE**

- If External Clock is ON, Tap Start is not effective.
- External Clock On/Off can be set from the [FUNCTION] button (page 40).

# Pad Start

The Pad Start function allows you to start the song simply by striking a pad or pressing a pedal.



## 1 Enter the Pad Start setting function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the “PdS” item appears. After a while, the current On/Off status appears next to the “PdS” indication.

## 2 Turn Pad Start On/Off.

Turn the dial clockwise to set to ON, and turn it counter-clockwise to set it to OFF.

**NOTE**

- Default setting is OFF.

## 3 Press the [FUNCTION] button to exit from the Function mode.

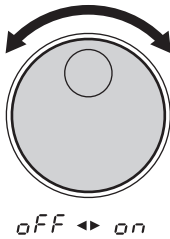
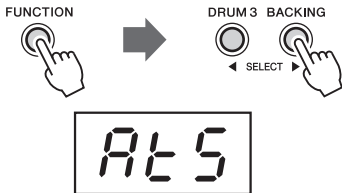
The dot flashes, indicating Pad Start is enabled.

**NOTE**

- When the Pad Start is set to ON, press the [START/STOP] button to stop the song.

## Setting the Auto Kit Select ON/OFF

With the Auto Kit Select feature turned on, the best suited Drum Kit for the song will automatically be selected. If Auto Kit Select is OFF, the Drum Kit does not change even if the song number is changed.



FUNCTION



### 1 Enter the Auto Kit Select function.

Press the [FUNCTION] button once, then press the [DRUM 3] or [BACKING] button a number of times until the "ALS" item appears. After a while, the current On/Off status will appear next to the "ALS" indication.

### 2 Turn Auto Kit Select On/Off.

Turn the dial clockwise to set to ON, and turn it counter-clockwise to set it to OFF.



#### NOTE

- Default setting is ON.

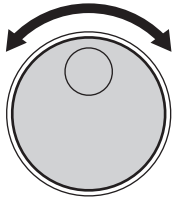
### 3 Press the [FUNCTION] button to exit from the Function mode.

## Adjusting the Tempo

The song tempo and Click tempo can be set by using the dial or the [TEMPO/TAP] button. The higher the tempo value, the faster the tempo.

### Tempo value range

- dial : 11–320 beats per minute
- [TEMPO/TAP] button : 32–320 beats per minute



11 ◀ 12 ... 3 19 ▶ 320



### 1 Press the [TEMPO/TAP] button.

The current tempo value (11–320) appears in the display.

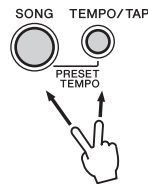
### 2 Set the Tempo.

When you use the dial to select the TEMPO, turn the dial to the right (clockwise) to increase the Tempo value, and turn it to the left (counter-clockwise) to decrease the value.

When you use the [TEMPO/TAP] button to change the TEMPO in the case of a song in 4/4, press the [TEMPO/TAP] button four times, and the accompaniment will start at the desired tempo.

**NOTE**

- To reset the tempo to the original preset setting, simultaneously press both the [SONG] and [TEMPO/TAP] buttons.



**NOTE**

- The tempo value cannot be changed during demo playback, recording, or when external clock is set to on.



# Play along with a Song

Use the pads and pedals to play along with the song accompaniment.

**NOTE**

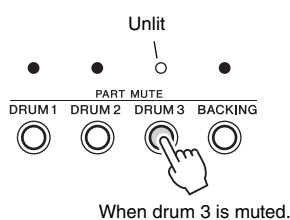
- The instrument can play a total of 32 notes simultaneously. That includes notes produced by song accompaniment, pads, foot pedals, and note data received through the [MIDI IN] jack.

## Setting the Track ON/OFF

The instrument's song accompaniment consists of 4 tracks: Drum tracks 1, 2, and 3, and the Backing track.

|                |             |
|----------------|-------------|
| <b>DRUM 1</b>  | Bass Drum*  |
| <b>DRUM 2</b>  | Snare Drum* |
| <b>DRUM 3</b>  | Cymbal*     |
| <b>BACKING</b> | Backing     |

\* Includes sounds other than bass drum, snare drum, or cymbal, depending on the selected song.



Pressing a Track button ([DRUM 1], [DRUM 2], [DRUM 3], [BACKING]) will mute (turn off the sound) the corresponding track and its indicator lamp will turn off.

Muting DRUM 1, DRUM 2 and DRUM 3 tracks allows you to play along with the song and practice the missing part.

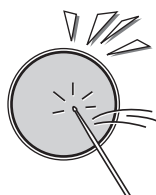
## Break

With the Break function, you can liven up songs by adding your own solos or fills, whenever you want. Striking a pad while in the Break mode, the song's accompaniment will be muted until the end of the measure you have finished your fill or solo.



### 1 During song playback or while song playback is stopped, press the [BREAK] button.

The three beat lamps in the display flash, indicating the instrument is in Break standby mode. To cancel the Break mode, simply press the [BREAK] button once again.



### 2 Play the Break.

Strike any pad or pedal during song playback, and the accompaniment will mute until the end of the measure you played in. You can play a drum fill or drum solo during this break. The instrument plays back the song from the next measure when the Break measure is completed.



### 3 Exit the Break mode.

To exit the Break mode, press the [BREAK] button.  
The Break mode is also exited when the song is stopped.

**NOTE**

- The Break does not function if DEMO is started.

## Using A-B Repeat

If you want to practice a particular section of a song, you can specify that section's "A" (start repeat) and "B" (end repeat) points. The accompaniment will continuously repeat between points "A" and "B" allowing you to practice between those points for as long as you like.



### 1 Set the "A" (start repeat) point.

When the song playback has reached the start of the section you want to practice, press the [A-B REPEAT] button and the "A" repeat point is set. An "A" will appear in the display.

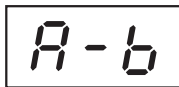


### 2 Set the "B" (end repeat) point.

When the song playback has reached the end point of the section you want to practice, press the [A-B REPEAT] button once again to set the "B" point ("b" appears in the display). A one-measure count-in plays ("A - b" appears in the display), then the specified section plays back repeatedly. The current measure number will appear in the display during repeat playback.

**NOTE**

- The A-B Repeat start and end points can only be set in measure steps.



### 3 Stop the A-B REPEAT.

Press the [START/STOP] button and the song accompaniment will stop.  
Press the [START/STOP] button once again and the accompaniment will again repeat between the set points.

**NOTE**

- Repeat is canceled when a different song is selected.

#### ● Exit the Repeat

To exit the A-B Repeat function, press the [A-B REPEAT] button during playback, and the A-B Repeat mode will be canceled (the A-B Repeat points will also be canceled) and normal playback of the accompaniment will continue.

When the song is stopped, pressing the [A-B REPEAT] button cancels the A-B Repeat points.



# Recording a Song

The User Songs feature (song numbers “U0 1”–“U0 5”) allows you to record and play-back five original songs. The data capacity is approximately 7,000 notes per song. The recording will automatically stop when it reaches the capacity.

## Data that can be recorded in the User Song Mode

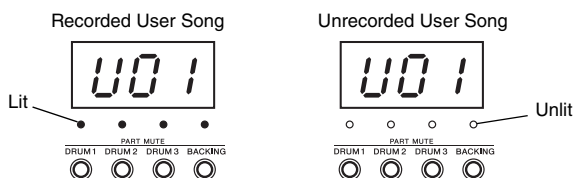
- Drum pad and pedal played data
- Song data (the number cannot be changed while in the RECORD Mode)
- Track On/Off settings
- Tempo setting (the tempo cannot be changed while in the RECORD mode)
- Song Volume setting

## Recording

### 1 Prepare to Record.



Select a desired song (“U0 1”–“U0 5”), drum kit and tempo setting. Select one of the User Songs (“U0 1”–“U0 5”) when you want to record your performance from scratch, without using a preset song. When you select a previously recorded User Song, all the track indicator lamps will light up. When you select an unrecorded User Song, all the track indicator lamps will light off.



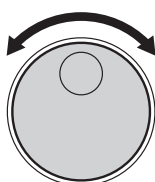
#### NOTICE

- Note that if you select a User Song which has been recorded or contains data, it will be overwritten with your newly recorded data.



### 2 Press the [RECORD] button to enter the recording mode.

The dots flash, indicating recording is set to standby. When you select a preset song or a recorded User Song, the track indicator lamps of DRUM 1/DRUM 2/DRUM 3 will light off.



U0 1 → U0 2 ... U0 5

### 3 Turn the dial and select a User song “U0 1”–“U0 5” for saving.

Go to step 4 if you have selected a User Song at step 1. To cancel the recording, press the [REC] button.



#### 4 Start recording.

Press the [START/STOP] button or simply play your performance to start recording.



#### 5 Stop Recording.

To stop recording, press the [START/STOP] button.

**NOTE**

- If the memory becomes full while recording is in progress, a "FUL" indication appears in the display and recording will automatically stop.

**NOTICE**

- While the data is being recorded (a "-" mark appears and moves from left to right on the display), never interrupt the power supply (e.g., remove the batteries or unplug the AC adaptor). Doing so can result in a loss of data.

### Playing the recorded song

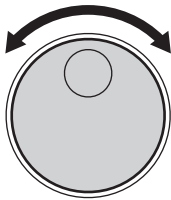
The recorded User Songs ("U01"-"U05") can be played back in the same manner as any song (song numbers "001"-"100").



The user songs ("U01"-"U05") are located to next to the number "105" (before "001").

## Song Clear

The Song clear operation completely erases all recorded data on all tracks of a selected user song.



U01 ◀▶ U02 ... U05

Unlit



BACKING



Press twice

### 1 Press the [REC] button.

### 2 Turn the dial to select the desired song (“U01”–“U05”) to be cleared.

To cancel the Clear operation, press the [REC] button again.

### 3 Press the [BACKING] button to mute the track.

### 4 Press the [START/STOP] button two times in quick succession.

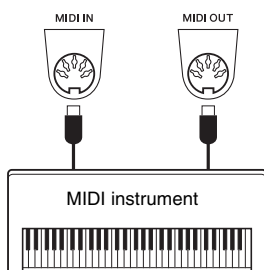
The Clear operation will be executed.

#### NOTICE

- While the data is being cleared (a “–” mark appears and moves from left to right on the display), never interrupt the power supply (e.g., by removing the batteries or unplugging the AC adaptor). Doing so can result in loss of data.

# Connecting to External Devices

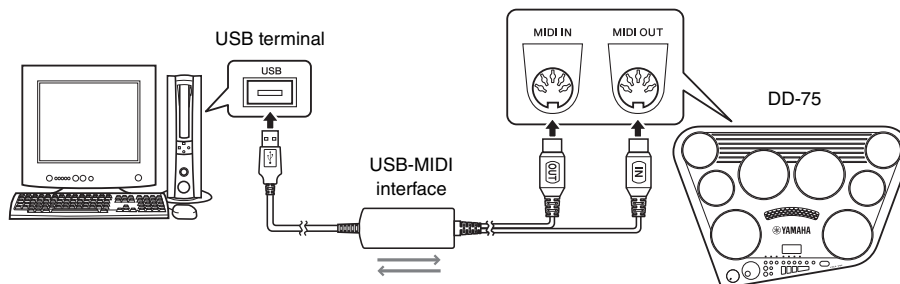
## Connecting to External MIDI Devices



Use the [MIDI] terminals and standard MIDI cables to connect external MIDI devices (keyboard, sequencer, etc.). The MIDI related settings can be configured using the corresponding Function parameter. For details, refer to the “MIDI Reference.”

## Connecting to a Computer

By connecting this instrument to other MIDI devices or a computer via commercially available USB-MIDI interface, the performance data of the instrument can be used on those other MIDI devices or computer, and also the performance data from other MIDI devices and computer can be received and sounded with this instrument.

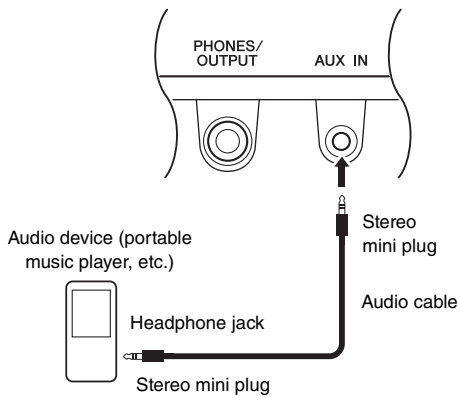


### ■ Transferring song files between the computer and instrument .....

You can transmit song files from your computer to this instrument's flash memory. Since the area in flash memory is shared between User songs (“U01”–“U05”) and loaded songs, you may need to erase some User songs to load the data. Files of SMF format 0 that you've loaded to the instrument can be played. For details about how to transmit the data using the Musicsoft Downloader application, refer to the Online help topic “Transferring Data Between the Computer and Instrument (for unprotected data)” of the Musicsoft Downloader.

- **Data that can be loaded to the instrument from a computer**
  - Songs: 5 Songs max (“U01”–“U05”)
  - Data: 7,000 notes per song
  - Song data Format: SMF Format 0 (Extension: mid)
- **Data that can be transferred to a computer from the instrument**
  - User songs (“U01”(SONG001.mid)–“U05”(SONG005.mid))

## Playing an External Audio Device with the Built-in Speakers



By connecting an audio device such as a portable music player to the instrument's [AUX IN] jack, you can output the sound of the audio device through the built-in speakers of this instrument. This lets you play the instrument along with the playback of your audio player.

### NOTICE

- *To avoid damage to the devices, first turn on the power to the external device, and then to the instrument. When turning off the power, first turn off the power to the instrument, and then to the external device.*

# The Functions

The “Functions” provide access to a range of detailed instrument parameters. Find the desired item in this Function List.

- 1 Press the [FUNCTION] button.
- 2 Press the [DRUM 3] or [BACKING] button a number of times until desired item appears.
- 3 Use the dial to set.
- 4 Press the [FUNCTION] button to exit from the mode.

| Display       | Function                        | Range/Settings                                                                                                                                                                                                                                                   | Default Value                     | Description                                                                                                                               | Page                             |
|---------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <b>Click</b>  |                                 |                                                                                                                                                                                                                                                                  |                                   |                                                                                                                                           |                                  |
| <i>CLn</i>    | Time Signature Numerator        | 0–16                                                                                                                                                                                                                                                             | *                                 | Determines the numerator for the time signature of the Click.                                                                             | 25                               |
| <i>CLd</i>    | Time Signature Denominator      | 2/4/8/16                                                                                                                                                                                                                                                         | *                                 | Determines the basic note value for each measure.                                                                                         | 26                               |
| <i>CLL</i>    | Click Volume                    | 0–127                                                                                                                                                                                                                                                            | 100                               | Determines the volume of the Click.                                                                                                       | 26                               |
| <i>CLC</i>    | Click Voice                     | Metronome ( <i>trn</i> )/<br>Cowbell ( <i>Cl</i> )/<br>Stick ( <i>St</i> )/<br>Human voice ( <i>Hun</i> )                                                                                                                                                        | Stick ( <i>St</i> )               | Determines the Click sound.                                                                                                               | 27                               |
| <b>Kit</b>    |                                 |                                                                                                                                                                                                                                                                  |                                   |                                                                                                                                           |                                  |
| <i>rbt</i>    | Reverb Type                     | Off ( <i>OFF</i> )/<br>Hall 1 ( <i>HA1</i> )/<br>Hall 2 ( <i>HA2</i> )/<br>Hall 3 ( <i>HA3</i> )/<br>Room 1 ( <i>ro1</i> )/<br>Room 2 ( <i>ro2</i> )/<br>Stage 1 ( <i>St1</i> )/<br>Stage 2 ( <i>St2</i> )/<br>Plate 1 ( <i>Pl1</i> )/<br>Plate 2 ( <i>Pl2</i> ) | *                                 | Selects a Reverb type.                                                                                                                    | 21                               |
| <i>ATS</i>    | Auto Kit Select                 | ON ( <i>on</i> )<br>OFF ( <i>OFF</i> )                                                                                                                                                                                                                           | ON ( <i>on</i> )                  | Determines whether the Auto Kit Select function is on or off.                                                                             | 31                               |
| <b>Song</b>   |                                 |                                                                                                                                                                                                                                                                  |                                   |                                                                                                                                           |                                  |
| <i>SVL</i>    | Song Volume                     | 0–127                                                                                                                                                                                                                                                            | 100                               | Determines the volume of Songs.                                                                                                           | 29                               |
| <i>PdS</i>    | Pad Start                       | ON ( <i>on</i> )<br>OFF ( <i>OFF</i> )                                                                                                                                                                                                                           | OFF ( <i>OFF</i> )                | Determines whether the Pad Start function is on or off.                                                                                   | 30                               |
| <b>MIDI</b>   |                                 |                                                                                                                                                                                                                                                                  |                                   |                                                                                                                                           |                                  |
| <i>LC</i>     | Local Control                   | ON ( <i>on</i> )<br>OFF ( <i>OFF</i> )                                                                                                                                                                                                                           | ON ( <i>on</i> )                  | Determines whether the instrument's pads and pedals controls the internal tone generator (ON) or not (OFF).                               | Refer to “MIDI Reference Manual” |
| <i>ECL</i>    | External Clock                  | ON ( <i>on</i> )<br>OFF ( <i>OFF</i> )                                                                                                                                                                                                                           | OFF ( <i>OFF</i> )                | Determines whether the instrument synchronizes to the internal clock (OFF) or an external clock (ON).                                     |                                  |
| <i>ANS</i>    | MIDI Note Number Auto Selection | ON ( <i>on</i> )<br>OFF ( <i>OFF</i> )                                                                                                                                                                                                                           | ON ( <i>on</i> )                  | Determines whether to assign MIDI note number automatically (ON) or manually (OFF).                                                       |                                  |
| <i>not</i>    | MIDI Note Number                | -C2–G8 (0–127)                                                                                                                                                                                                                                                   | -                                 | Assigns MIDI note numbers for each pads and pedals.                                                                                       |                                  |
| <b>Others</b> |                                 |                                                                                                                                                                                                                                                                  |                                   |                                                                                                                                           |                                  |
| <i>EQE</i>    | Master EQ Type                  | Speaker ( <i>SP</i> )/<br>Headphone ( <i>HP</i> )                                                                                                                                                                                                                | Speaker ( <i>SP</i> )             | Determines whether the sound is heard through internal speakers ( <i>SP</i> ), or headphones or an external speaker system ( <i>HP</i> ). | 14                               |
| <i>APt</i>    | Auto Power Off Time             | OFF/5/10/15/30/60/120 (min.)                                                                                                                                                                                                                                     | 30 (min.)                         | Specifies the time that will elapse before the instrument's power is automatically turned off.                                            | 14                               |
| <i>bEt</i>    | Battery Type                    | Alkaline-manganese ( <i>RLn</i> )/Nickel hydride ( <i>n-H</i> )                                                                                                                                                                                                  | Alkaline-manganese ( <i>RLn</i> ) | Selects the type of batteries you have installed to this instrument.                                                                      | 13                               |

\* The appropriate value is automatically set for each song or kit.



# Backup and Initialization

## Backup

Some internal parameters will be backed up to internal memory even if the power is turned off. You can initialize all internal memory to the default settings or initialize the memory with the exception of the Songs.

### Following parameters remain in memory

- User Songs (including songs loaded from computer)
- Custom Kit “ $\text{C 0 1}$ ”–“ $\text{C 1 0}$ ”
- Pad/Pedal Sensitivity\*
- Click Volume
- Click Voice
- Auto Kit Select ON/OFF
- Song Volume
- Pad Start ON/OFF
- MIDI Note Number Auto Selection ON/OFF
- MIDI Note Number
- Master EQ Type
- Auto Power Off Time
- Battery Type

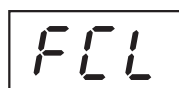
\* Value selected when the power is turned off and values assigned to Custom Kit “ $\text{S 0 1}$ ”–“ $\text{S 1 0}$ ”

## Initialization

This function erases all backup data in the instrument’s flash memory and restores the initial default settings. The following initialization procedures are provided.

### ■ Initial Clear

To clear all data backed up to the internal flash memory (described above), turn the power on by pressing the [  $\text{⏻}$  ] (Standby/On) switch while holding the [ DEMO ] button. The backed up data will be erased and the default values restored.



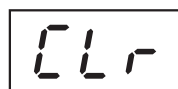
“FCL” appears, followed by song number “00 1”

### NOTICE

- When you execute the Initial Clear operation, all backup data will be cleared. You can save the data of the five built-in User Songs to a computer by using Musicsoft Downloader.

### ■ Back Up Clear

To clear all backed up data that has been memorized to the internal flash memory (with the exception of song data), turn the power on by pressing the [  $\text{⏻}$  ] (Standby/On) switch while holding the [ FUNCTION ] button.



“CLR” appears, followed by song number “00 1”

# Troubleshooting

| Problem                                                                                                                                                                                                                                            | Cause/Solution                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power suddenly and unexpectedly turns off.                                                                                                                                                                                                         | This is normal and the Auto Power Off function may have been activated (page 14). If desired, disable the Auto Power Off function.                                                                                                                                                                                                               |
| When the instrument is turned on, power is turned off suddenly and unexpectedly.                                                                                                                                                                   | The protection circuit has been activated due to over current. This may occur when an AC adaptor other than the one specified is used, or an AC adaptor is damaged. Use the specified adaptor (page 54) only. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel. |
| A buzz or click occurs momentarily when the instrument is turned ON or OFF                                                                                                                                                                         | This is a normal power surge noise that occurs when the POWER switch is operated.                                                                                                                                                                                                                                                                |
| The LED display is completely dark.<br>When the pads are struck (or pedals are pressed), the display is dark and returns to “!”<br>The Custom Kit voice assignments or sensitivity settings of each pads and pedals have disappeared or defaulted. | The batteries are low and should be replaced with a complete set of six new batteries immediately. Ideally, an optional AC adaptor should be used to power the instrument.                                                                                                                                                                       |
| When using a mobile phone, noise is produced.                                                                                                                                                                                                      | Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.                                                                                                                                                                       |
| Noise is heard from the instrument’s speakers or headphones when using the instrument with the application on iPhone/iPad.                                                                                                                         | When you use the instrument along with the application on your iPhone/iPad, we recommend that you set “Airplane Mode” to “ON” on your iPhone/iPad in order to avoid noise caused by communication.                                                                                                                                               |
| No sound comes from the instrument.                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• The volume is set too low. Adjust the volume (page 29).</li> <li>• A plug is inserted into the [PHONES/OUTPUT] jack and should be taken out (page 14).</li> <li>• The LOCAL ON/OFF is set to OFF. Set the LOCAL ON/OFF to ON (page 40).</li> </ul>                                                      |
| Suddenly “FULL” appears and recording is stopped.                                                                                                                                                                                                  | The amount of recorded data has exceeded the limit of 7,000 notes per song.                                                                                                                                                                                                                                                                      |
| Song is automatically started when pad is struck (or pedal is pressed).                                                                                                                                                                            | Pad Start is set to ON. Set Pad Start to OFF (page 30).                                                                                                                                                                                                                                                                                          |

# Drum Voice List

## ● Panel Voice List

| Voice No. | Voice name               | Voice No. | Voice name                 | Voice No. | Voice name       |
|-----------|--------------------------|-----------|----------------------------|-----------|------------------|
| 1         | Maple Bass Drum 1        | 56        | Snare Tight                | 111       | Oak Tom 2        |
| 2         | Maple Bass Drum 2        | 57        | Open Rim Shot              | 112       | Oak Tom 1        |
| 3         | Maple Bass Drum 3        | 58        | Snare Soft 2               | 113       | Tom Hard Rock 6  |
| 4         | Oak Bass Drum            | 59        | Snare 2                    | 114       | Tom Hard Rock 5  |
| 5         | Bass Drum Hard Rock 1    | 60        | Snare Tight 2              | 115       | Tom Hard Rock 4  |
| 6         | Bass Drum Hard Rock 2    | 61        | Open Rim Shot 2            | 116       | Tom Hard Rock 3  |
| 7         | Bass Drum Hard Rock 3    | 62        | Snare Room L               | 117       | Tom Hard Rock 2  |
| ♦ 8       | Bass Drum Ambient+       | 63        | Snare Room H               | 118       | Tom Hard Rock 1  |
| ♦ 9       | Bass Drum Open Power     | 64        | Snare Noisy                | ♦119      | Tom Power 6      |
| ♦10       | Bass Drum Close Power    | 65        | Snare Rock                 | ♦120      | Tom Power 5      |
| 11        | Bass Drum Soft           | 66        | Snare Rock Rim             | ♦121      | Tom Power 4      |
| 12        | Bass Drum Hard           | 67        | Snare Snappy Electronic    | ♦122      | Tom Power 3      |
| 13        | Bass Drum                | 68        | Snare Noisy 2              | ♦123      | Tom Power 2      |
| 14        | Bass Drum 2              | 69        | Snare Analog 1             | ♦124      | Tom Power 1      |
| 15        | Bass Drum H              | 70        | Snare Techno               | 125       | High Tom         |
| 16        | Bass Drum Rock           | 71        | Snare Clap                 | 126       | Mid Tom H        |
| 17        | Bass Drum Gate           | 72        | Snare Dry                  | 127       | Mid Tom L        |
| 18        | Bass Drum Analog L       | 73        | Rim Gate                   | 128       | Low Tom          |
| 19        | Bass Drum Analog H       | 74        | Snare Jazz L               | 129       | Floor Tom H      |
| 20        | Kick Techno Q            | 75        | Snare Jazz M               | 130       | Floor Tom L      |
| 21        | Kick Techno L            | 76        | Band Snare 1               | 131       | Tom Room 6       |
| 22        | Kick Techno              | 77        | Band Snare 2               | 132       | Tom Room 5       |
| 23        | Bass Drum Jazz           | 78        | Orchestra Snare Left Hand  | 133       | Tom Room 4       |
| 24        | Bass Drum Soft L         | 79        | Orchestra Snare Right Hand | 134       | Tom Room 3       |
| 25        | Kick T8 1                | 80        | Brush Tap                  | 135       | Tom Room 2       |
| 26        | Kick T8 2                | 81        | Brush Slap                 | 136       | Tom Room 1       |
| 27        | Kick T8 3                | 82        | Snare T8 1                 | 137       | Tom Rock 6       |
| 28        | Kick T8 4                | 83        | Snare T8 2                 | 138       | Tom Rock 5       |
| 29        | Kick Tek Power           | 84        | Snare T8 3                 | 139       | Tom Rock 4       |
| 30        | Kick Zap Hard            | 85        | Snare T8 4                 | 140       | Tom Rock 3       |
| 31        | T8 Kick Bass             | 86        | Snare T8 5                 | 141       | Tom Rock 2       |
| 32        | Kick Blip                | 87        | Snare T8 6                 | 142       | Tom Rock 1       |
| 33        | Kick Fx Hammer           | 88        | Snare T8 7                 | 143       | Tom Electronic 6 |
| 34        | Bass Drum Vox 1          | 89        | Snare Garage L             | 144       | Tom Electronic 5 |
| 35        | Bass Drum Vox 2          | 90        | Snare Hammer               | 145       | Tom Electronic 4 |
| 36        | Kick Slimy               | 91        | Snare Clap Analog          | 146       | Tom Electronic 3 |
| 37        | Gran Cassa               | 92        | Snare T8 Rim               | 147       | Tom Electronic 2 |
| 38        | Gran Cassa Mute          | 93        | Snare Analog CR            | 148       | Tom Electronic 1 |
| 39        | Maple Snare Head         | 94        | Snare Hip 1                | 149       | Tom Analog 6     |
| 40        | Maple Snare Open Rim     | 95        | Snare Hip 2                | 150       | Tom Analog 5     |
| 41        | Maple Side Stick         | 96        | Snare Hip Gate             | 151       | Tom Analog 4     |
| 42        | Oak Snare Head           | 97        | Snare Break 1              | 152       | Tom Analog 3     |
| 43        | Oak Snare Open Rim       | 98        | Snare Fx 1                 | 153       | Tom Analog 2     |
| 44        | Oak Side Stick           | 99        | Snare Vox                  | 154       | Tom Analog 1     |
| 45        | Snare Head Hard Rock     | 100       | Snare Open Rim Vox         | 155       | Tom Jazz 6       |
| 46        | Snare Open Rim Hard Rock | 101       | Maple Tom 6                | 156       | Tom Jazz 5       |
| 47        | Side Stick Hard Rock     | 102       | Maple Tom 5                | 157       | Tom Jazz 4       |
| ♦48       | Snare Soft Power         | 103       | Maple Tom 4                | 158       | Tom Jazz 3       |
| ♦49       | Snare Power              | 104       | Maple Tom 3                | 159       | Tom Jazz 2       |
| ♦50       | Snare Rough              | 105       | Maple Tom 2                | 160       | Tom Jazz 1       |
| ♦51       | Open Rim Shot Power      | 106       | Maple Tom 1                | 161       | Tom Brush 6      |
| ♦52       | Snare Power 2            | 107       | Oak Tom 6                  | 162       | Tom Brush 5      |
| ♦53       | Snare Rough 2            | 108       | Oak Tom 5                  | 163       | Tom Brush 4      |
| 54        | Snare Soft               | 109       | Oak Tom 4                  | 164       | Tom Brush 3      |
| 55        | Snare                    | 110       | Oak Tom 3                  | 165       | Tom Brush 2      |

| Voice No. | Voice name             | Voice No. | Voice name            | Voice No. | Voice name              |
|-----------|------------------------|-----------|-----------------------|-----------|-------------------------|
| 166       | Tom Brush 1            | ♦222      | Crash Cymbal Power 1  | 278       | Timpani F#2             |
| 167       | Tom T8 7               | ♦223      | Crash Cymbal Power 2  | 279       | Timpani G2              |
| 168       | Tom T8 6               | ♦224      | Ride Cymbal Power 1   | 280       | Timpani G#2             |
| 169       | Tom T8 4               | ♦225      | Ride Cymbal Power 2   | 281       | Conga H Open            |
| 170       | Tom T8 3               | ♦226      | Ride Cymbal Cup Power | 282       | Conga H Mute            |
| 171       | Tom T8 2               | ♦227      | Chinese Cymbal Power  | 283       | Conga H Slap Open       |
| 172       | Tom T8 1               | ♦228      | Splash Cymbal Power   | 284       | Conga H Slap            |
| 173       | Tom Vox 6              | 229       | Crash Cymbal 1        | 285       | Conga H Slap Mute       |
| 174       | Tom Vox 5              | 230       | Crash Cymbal 2        | 286       | Conga H Tip             |
| 175       | Tom Vox 4              | 231       | Ride Cymbal 1         | 287       | Conga H Heel            |
| 176       | Tom Vox 3              | 232       | Ride Cymbal 2         | 288       | Conga L Open            |
| 177       | Tom Vox 2              | 233       | Ride Cymbal Cup       | 289       | Conga L Mute            |
| 178       | Tom Vox 1              | 234       | Chinese Cymbal        | 290       | Conga L Slap Open       |
| *179      | Hi-Hat Closed Bright   | 235       | Splash Cymbal         | 291       | Conga L Slap            |
| *180      | Hi-Hat Pedal Bright    | 236       | Cymbal Analog         | 292       | Conga L Tip             |
| *181      | Hi-Hat Open Bright     | 237       | Hand Cymbal 1         | 293       | Conga L Heel            |
| *182      | Hi-Hat Closed Dark     | 238       | Hand Cymbal 1 Short   | 294       | Conga L Slide           |
| *183      | Hi-Hat Pedal Dark      | 239       | Hand Cymbal 2         | 295       | Conga Open              |
| *184      | Hi-Hat Open Dark       | 240       | Hand Cymbal 2 Short   | 296       | Conga Mute              |
| *185      | Hi-Hat Closed Dark 2   | 241       | Crash Cymbal T8       | 297       | Conga Slap              |
| *186      | Hi-Hat Pedal Dark 2    | 242       | Crash Cymbal Vox 1    | 298       | Conga Tip               |
| *187      | Hi-Hat Open Dark 2     | 243       | Ride Cymbal Vox       | 299       | Conga Heel              |
| **188     | Hi-Hat Closed Power    | 244       | Ride Cymbal Cup Vox   | 300       | Conga Open-Slap         |
| **189     | Hi-Hat Pedal Power     | 245       | Crash Cymbal Vox 2    | 301       | Conga 2 H Open          |
| **190     | Hi-Hat Open Power      | ♦246      | Side Stick Power      | 302       | Conga 2 H Mute          |
| **191     | Hi-Hat Closed Power 2  | 247       | Side Stick            | 303       | Conga 2 H Slap          |
| *192      | Hi-Hat Closed          | 248       | Side Stick Analog     | 304       | Conga 2 H Tip           |
| *193      | Hi-Hat Pedal           | 249       | Hand Clap             | 305       | Conga 2 H Heel          |
| *194      | Hi-Hat Open            | 250       | Hand Clap 2           | 306       | Conga 2 H Open-Slap     |
| *195      | Hi-Hat Closed Analog 1 | 251       | Clap T9               | 307       | Conga 2 L Slap          |
| *196      | Hi-Hat Closed Analog 2 | 252       | Khaligi Clap 1        | 308       | Conga 2 L Open          |
| *197      | Hi-Hat Open Analog     | 253       | Hand Clap Vox         | 309       | Conga 2 L Mute          |
| *198      | Hi-Hat Closed Analog 3 | 254       | Sticks                | 310       | Conga 2 L Tip           |
| *199      | Hi-Hat Closed Analog 4 | 255       | Castanet              | 311       | Conga 2 L Heel          |
| *200      | Hi-Hat Open Analog 2   | 256       | Tambourine 2          | 312       | Conga T8 1              |
| *201      | Hi-Hat Closed T8       | 257       | Tambourine            | 313       | Conga T8 2              |
| *202      | Hi-Hat Pedal T8        | 258       | Finger Snap           | 314       | Conga T8 3              |
| *203      | Hi-Hat Open T8         | 259       | Vibraslap             | 315       | Bongo H Open 1 Finger   |
| *204      | Hi-Hat Closed Vox      | 260       | Metronome Click       | 316       | Bongo H Open 3 Fingers  |
| *205      | Hi-Hat Pedal Vox       | 261       | Metronome Bell        | 317       | Bongo H Rim             |
| *206      | Hi-Hat Open Vox        | 262       | Timpani D1            | 318       | Bongo H Slap            |
| 207       | Crash Cymbal Warm      | 263       | Timpani D#1           | 319       | Bongo H Tip             |
| 208       | Ride Cymbal Warm 1     | 264       | Timpani E1            | 320       | Bongo H Heel            |
| 209       | Ride Cymbal Warm 2     | 265       | Timpani F1            | 321       | Bongo L Open 1 Finger   |
| 210       | Ride Cymbal Cup Warm   | 266       | Timpani F#1           | 322       | Bongo L Open 3 Fingers  |
| 211       | Crash Cymbal Dark      | 267       | Timpani G1            | 323       | Bongo L Rim             |
| 212       | Chinese Cymbal 2       | 268       | Timpani G#1           | 324       | Bongo L Slap            |
| 213       | Splash Cymbal 2        | 269       | Timpani A1            | 325       | Bongo L Tip             |
| 214       | Crash Cymbal Bright    | 270       | Timpani A#1           | 326       | Bongo L Heel            |
| 215       | Ride Cymbal Bright     | 271       | Timpani B1            | 327       | Bongo 2 H Mute          |
| 216       | Ride Cymbal Cup Bright | 272       | Timpani C2            | 328       | Bongo 2 L Open 1 Finger |
| 217       | Crash Cymbal Dark 2    | 273       | Timpani C#2           | 329       | Quinto Slap             |
| 218       | Crash Cymbal Warm 2    | 274       | Timpani D2            | 330       | Quinto Open             |
| 219       | Ride Cymbal Warm 3     | 275       | Timpani D#2           | 331       | Quinto Mute             |
| 220       | Ride Cymbal Cup Warm 2 | 276       | Timpani E2            | 332       | Quinto Heel             |
| 221       | Crash Cymbal Dark 3    | 277       | Timpani F2            | 333       | Quinto Tip              |

| Voice No. | Voice name             | Voice No. | Voice name                        | Voice No. | Voice name         |
|-----------|------------------------|-----------|-----------------------------------|-----------|--------------------|
| 334       | Quinto Open-Slap       | 390       | Tamborim 1 Mute                   | 445       | Daholla Tak 1      |
| 335       | Tumba Open             | 391       | Zabumba Open Right Hand           | 446       | Daholla Dom        |
| 336       | Tumba Mute             | 392       | Zabumba Mute Right Hand           | 447       | Daholla Tak 2      |
| 337       | Tumba Slap             | 393       | Zabumba Stick Left Hand           | 448       | Katem Tak Doff     |
| 338       | Timbale H Open         | 394       | Timbau Open                       | 449       | Katem Dom          |
| 339       | Timbale L Open         | 395       | Timbau Mute                       | 450       | Katem Sak 1        |
| 340       | Paila H                | 396       | Whistle Short                     | 451       | Katem Tak 1        |
| 341       | Paila L                | 397       | Whistle Long                      | 452       | Katem Sak 2        |
| 342       | Timbale 2 H Rim        | 398       | Tan Tan 1 Closed Right Hand       | 453       | Katem Tak 2        |
| 343       | Timbale 2 L Rim        | 399       | Tan Tan 1 Open Right Hand         | 454       | Zarb Back mf       |
| 344       | Timbale H Rim          | 400       | Tan Tan 1 Slap Right Hand         | 455       | Zarb Tom f         |
| 345       | Timbale L Rim          | 401       | Tan Tan 1 Body Left Hand          | 456       | Zarb Eshareh       |
| 346       | Timbale 2 H            | 402       | Pandeiro L Thumb Closed           | 457       | Zarb Whipping      |
| 347       | Timbale 2 L            | 403       | Pandeiro L Thumb Open             | 458       | Tombak Tom f       |
| 348       | Cowbell Top            | 404       | Pandeiro L Toe Rim                | 459       | Tombak Back f      |
| 349       | Cowbell 2              | 405       | Pandeiro L Heel                   | 460       | Tombak Snap f      |
| 350       | Cowbell T8             | 406       | Pandeiro L Slap                   | 461       | Neghareh Tom f     |
| 351       | Mambo Cowbell          | 407       | Pandeiro Open                     | 462       | Neghareh Back f    |
| 352       | Agogo H                | 408       | Pandeiro Tip                      | 463       | Neghareh Pelang f  |
| 353       | Agogo L                | 409       | Pandeiro Slap                     | 464       | Riq Snouj 2        |
| 354       | Cabasa                 | 410       | Repique Anel Thumb Rim Left Hand  | 465       | Riq Snouj 1        |
| 355       | Maracas                | 411       | Repique Anel Thumb Rim Right Hand | 466       | Riq Sak            |
| 356       | Guiro Short            | 412       | Repique Anel Mute                 | 467       | Riq Snouj 3        |
| 357       | Guiro Long             | 413       | Repique Anel Open                 | 468       | Riq Snouj 4        |
| 358       | Metal Guiro Short      | 414       | Repique de Mao Slap               | 469       | Riq Tak 1          |
| 359       | Metal Guiro Long       | 415       | Repique de Mao Thmb Rim           | 470       | Riq Brass 1        |
| 360       | Claves                 | 416       | Repique de Mao Open               | 471       | Riq Tak 2          |
| 361       | African Claves         | 417       | Caixa Open Rim                    | 472       | Riq Brass 2        |
| 362       | Wood Block H           | 418       | Caxixi Shake                      | 473       | Riq Dom            |
| 363       | Wood Block L           | 419       | Cabasa Roll                       | 474       | Sagat 1            |
| 364       | Cuica Mute             | 420       | Caixa                             | 475       | Sagat 2            |
| 365       | Cuica Open             | 421       | Chajchas                          | 476       | Sagat 3            |
| 366       | Cuica H Short          | 422       | Agogo Bell 1                      | 477       | Baya ge            |
| 367       | Cuica M Short          | 423       | Agogo Bell 2                      | 478       | Baya ke            |
| 368       | Cuica L Short          | 424       | Agogo Click 1                     | 479       | Baya ghe           |
| 369       | Triangle Mute          | 425       | Agogo Click 2                     | 480       | Baya ka            |
| 370       | Triangle Open          | 426       | Ganza                             | 481       | Tabla na           |
| 371       | Shaker                 | 427       | Reco-Reco                         | 482       | Tabla tin          |
| 372       | Jingle Bells           | 428       | Darbuka Open                      | 483       | Tablabaya dha      |
| 373       | Wind Chime             | 429       | Darbuka Mute                      | 484       | Chipri             |
| 374       | Cajon 2 L              | 430       | Darbuka Slap                      | 485       | Khanjira Open      |
| 375       | Cajon 2 Mute           | 431       | Tablah Tak 3                      | 486       | Khanjira Slap      |
| 376       | Cajon 2 Slap           | 432       | Tablah Tak 1                      | 487       | Khanjira Mute      |
| 377       | Surdo 2 Mute           | 433       | Tablah Tak 4                      | 488       | Khanjira Bend Up   |
| 378       | Surdo 2 Open           | 434       | Tablah Tak 2                      | 489       | Khanjira Bend Down |
| 379       | Surdo 2 Stop           | 435       | Tablah Sak 2                      | 490       | Hatheli Long       |
| 380       | Surdo 2 Side Stick     | 436       | Tablah Sak 1                      | 491       | Hatheli Short      |
| 381       | Surdo 1 Mute           | 437       | Tablah Dom 1                      | 492       | Manjira Open       |
| 382       | Surdo 1 Open           | 438       | Tablah Tak Finger 4               | 493       | Manjira Closed     |
| 383       | Surdo 1 Stop           | 439       | Tablah Tak Trill 1                | 494       | Jhanji Open        |
| 384       | Tamborim 2 Rim         | 440       | Tablah Tak Finger 3               | 495       | Jhanji Closed      |
| 385       | Tamborim 2 Open        | 441       | Tablah Tak Trill 2                | 496       | Mondira Open       |
| 386       | Tamborim 2 Finger Back | 442       | Tablah Prok                       | 497       | Mondira Closed     |
| 387       | Tamborim 3 Down        | 443       | Daholla Sak 2                     | 498       | Dafli Open         |
| 388       | Tamborim 3 Up          | 444       | Daholla Sak 1                     | 499       | Dafli Rim          |
| 389       | Tamborim 1 Open        |           |                                   | 500       | Dhol 1 Open        |

| Voice No. | Voice name         | Voice No. | Voice name                  |
|-----------|--------------------|-----------|-----------------------------|
| 501       | Dhol 1 Slap        | 536       | Muyu M                      |
| 502       | Dhol 2 Open        | 537       | Djembe L                    |
| 503       | Dhol 2 Slap        | 538       | Djembe Mute                 |
| 504       | Dhol 2 Rim         | 539       | Djembe Slap                 |
| 505       | Dholak 1 Open      | 540       | Pot Drum Open               |
| 506       | Dholak 1 Mute      | 541       | Pot Drum Closed             |
| 507       | Dholak 1 Slap      | 542       | Talking Drum Open           |
| 508       | Dholak 2 Open      | 543       | Talking Drum Bend Up        |
| 509       | Dholak 2 Slide     | 544       | Talking Drum Slap           |
| 510       | Dholak 2 Rim 1     | 545       | Talking Drum Left Hand Open |
| 511       | Dholak 2 Rim 2     | 546       | Oodaiko                     |
| 512       | Dholki H Open      | 547       | Oodaiko Rim                 |
| 513       | Dholki H Mute      | 548       | Yaguradaiko                 |
| 514       | Dholki L Open      | 549       | Yaguradaiko Rim             |
| 515       | Dholki H Slap      | 550       | Atarigane                   |
| 516       | Dholki L Slide     | 551       | Shimedaiko                  |
| 517       | Mridangam na       | 552       | Tsudumi                     |
| 518       | Mridangam din      | 553       | Ainote                      |
| 519       | Mridangam ki       | 554       | Scratch H                   |
| 520       | Mridangam ta       | 555       | Scratch L                   |
| 521       | Mridangam Chapu    | 556       | Yo!                         |
| 522       | Mridangam L Closed | 557       | Go!                         |
| 523       | Mridangam L Open   | 558       | Get up!                     |
| 524       | Dandia Short       | 559       | Whoow!                      |
| 525       | Dandia Long        | 560       | Huaaah!                     |
| 526       | Bangu              | 561       | Uh!+Hit                     |
| 527       | Paigu M            | 562       | Footsteps                   |
| 528       | Dagu Heavy         | 563       | Frog                        |
| 529       | Zhongcha Open      | 564       | Rooster                     |
| 530       | Zhongcha Mute      | 565       | Dog                         |
| 531       | Luo Big            | 566       | Cat                         |
| 532       | Luo H              | 567       | Owl                         |
| 533       | Zhongluo Open      | 568       | Horse Neigh                 |
| 534       | Xiaoluo Open       | 569       | Cow                         |
| 535       | Xiaocha Mute       | 570       | Lion                        |

● **Phrase List/**

| Voice No. | Voice Name     |
|-----------|----------------|
| 571       | Rock 1         |
| 572       | Rock 2         |
| 573       | Rock 3         |
| 574       | Rock 4         |
| 575       | Rock'n Roll    |
| 576       | 16 beat        |
| 577       | Hard Shuffles  |
| 578       | Blues Shuffle  |
| 579       | Contemporary 1 |
| 580       | Contemporary 2 |
| 581       | Soul           |
| 582       | ClubMix        |
| 583       | House          |
| 584       | Jazz Funk      |
| 585       | Ballad         |
| 586       | R & B          |
| 587       | Motown         |
| 588       | Urban Funk     |
| 589       | Jazz           |
| 590       | Samba 1        |
| 591       | Samba 2        |
| 592       | Samba 3        |
| 593       | Arabic 1       |
| 594       | Arabic 2       |
| 595       | Indian 1       |
| 596       | Indian 2       |
| 597       | African        |
| 598       | Conga          |
| 599       | Bongo          |
| 600       | Timbal         |

◆ *The voice is recorded in stereo.*

\* *By assigning Closed and Open Hi-Hat voices to both the Pad and Foot Pedal 2, those voices can be controlled with the Foot Pedal 2 as follows:*

- *Strike the pad while pressing the Foot Pedal 2, the "Closed" Hi- Hat voice will sound.*
- *Strike the pad without pressing the Foot Pedal 2, the "Open" Hi- Hat voice will sound.*
- *Press the Foot Pedal 2 without striking the pad, the Hi-Hat "Pedal" voice will sound.*

**NOTE:**

- *Phrase data cannot be transmitted.*
- *The pan data for each voice is fixed and cannot be changed, regardless of the pad assignments. For example, if a voice containing a "left" pan setting is assigned to a right pad, the actual sound will come from the left.*

# Song List

| Song No.       | Song Name          |
|----------------|--------------------|
| <b>Demo</b>    |                    |
| 001            | Rockadelic         |
| 002            | 16 Beat Ballad     |
| 003            | Latin Pop          |
| 004            | DD Funk            |
| 005            | World Beat         |
| <b>Pattern</b> |                    |
| 006            | Hard Rock 1        |
| 007            | Hard Rock 2        |
| 008            | Hard Rock 3        |
| 009            | Hard Rock 4        |
| 010            | Hard Rock 5        |
| 011            | Heavy Metal 1      |
| 012            | Heavy Metal 2      |
| 013            | Heavy Metal 3      |
| 014            | Southern Rock      |
| 015            | Latin Rock         |
| 016            | Groovy Rock        |
| 017            | 8 Beat 1           |
| 018            | 8 Beat 2           |
| 019            | 8 Beat 3           |
| 020            | 8 Beat 4           |
| 021            | 8 Beat Pop         |
| 022            | 8 Beat Rock'n Roll |
| 023            | 16 Beat 1          |
| 024            | 16 Beat 2          |
| 025            | 16 Beat Dance      |
| 026            | 8 Beat Ballad 1    |
| 027            | 8 Beat Ballad 2    |
| 028            | 16 Beat Ballad 1   |
| 029            | 16 Beat Ballad 2   |
| 030            | 16 Beat Ballad 3   |
| 031            | 16 Beat Shuffle    |
| 032            | 6/8 Ballad         |
| 033            | 6/8 Slow Rock      |
| 034            | Pop Shuffle 1      |

| Song No. | Song Name           |
|----------|---------------------|
| 035      | Pop Shuffle 2       |
| 036      | Rock'n Roll Shuffle |
| 037      | Electro Dance       |
| 038      | Dance Soul          |
| 039      | Dance Beat          |
| 040      | Hip Hop Shuffle 1   |
| 041      | Hip Hop Shuffle 2   |
| 042      | Techno Pop          |
| 043      | Disco 1             |
| 044      | Disco 2             |
| 045      | 4 Beat              |
| 046      | Swing Jazz          |
| 047      | 5/4 Jazz            |
| 048      | 7/8 Jazz            |
| 049      | Funky NYC           |
| 050      | Soul                |
| 051      | Soul Funk           |
| 052      | Rock'n Roll         |
| 053      | 6/8 Blues           |
| 054      | Country             |
| 055      | Samba               |
| 056      | Bossa Nova          |
| 057      | Conga Bossa Nova    |
| 058      | Soul Bossa Nova     |
| 059      | Mambo               |
| 060      | Cha Cha Cha         |
| 061      | Rumba               |
| 062      | Salsa               |
| 063      | Beguine             |
| 064      | Reggae              |
| 065      | Waltz               |
| 066      | Jazz Waltz          |
| 067      | March               |
| 068      | 6/8 March           |
| 069      | Saeidy              |
| 070      | Maksoum             |

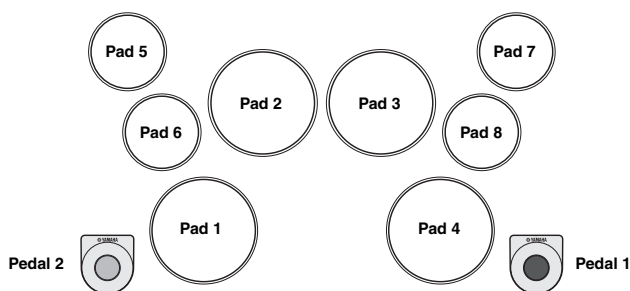
| Song No.    | Song Name       |
|-------------|-----------------|
| 071         | Baladi          |
| 072         | Laff            |
| 073         | Ayoub           |
| 074         | Brazilian Samba |
| 075         | Chorinho        |
| 076         | Partido Alto    |
| 077         | Forro           |
| 078         | Baiao           |
| 079         | Bhangra         |
| 080         | Bhajan          |
| 081         | Bollywood Mix   |
| 082         | Rajasthan       |
| 083         | Dandiya         |
| 084         | African         |
| 085         | Folklore        |
| 086         | Japanese 1      |
| 087         | Japanese 2      |
| 088         | Chinese         |
| <b>Song</b> |                 |
| 089         | Hard Rock       |
| 090         | 8 Beat Pop      |
| 091         | 8 Beat Rock     |
| 092         | 16 Beat Pop     |
| 093         | 16 Beat Ballad  |
| 094         | 6/8 Ballad      |
| 095         | Pop Rock        |
| 096         | Pop Shuffle     |
| 097         | Fusion Shuffle  |
| 098         | Rock'n Roll     |
| 099         | Club Mix        |
| 100         | Disco           |
| 101         | Jazz Funk       |
| 102         | Blues Shuffle   |
| 103         | Funk            |
| 104         | Bossa Nova      |
| 105         | Latin Fusion    |

**Demo:** These songs demonstrate the drum sounds and rhythms.

**Pattern:** These are special loop-repeating patterns for drum practice.

**Song:** These include drum and fill-in patterns. There is no loop playback.

# Drum Kit List



| Kit No. | Kit Name             | Voice No. | Pedal 1               | Voice No. | Pedal 2                | Voice No. | Pad 1                    | Voice No. | Pad 2            | Voice No. | Pad 3              |
|---------|----------------------|-----------|-----------------------|-----------|------------------------|-----------|--------------------------|-----------|------------------|-----------|--------------------|
| 1       | Maple Kit 1          | 3         | Maple Bass Drum 3     | 180       | Hi-Hat Pedal Bright    | 40        | Maple Snare Open Rim     | 102       | Maple Tom 5      | 103       | Maple Tom 4        |
| 2       | Maple Kit 2          | 3         | Maple Bass Drum 3     | 180       | Hi-Hat Pedal Bright    | 40        | Maple Snare Open Rim     | 102       | Maple Tom 5      | 103       | Maple Tom 4        |
| 3       | Maple Kit 3          | 3         | Maple Bass Drum 3     | 180       | Hi-Hat Pedal Bright    | 40        | Maple Snare Open Rim     | 102       | Maple Tom 5      | 208       | Ride Cymbal Warm 1 |
| 4       | Maple Kit 4          | 3         | Maple Bass Drum 3     | 180       | Hi-Hat Pedal Bright    | 39        | Maple Snare Head         | 103       | Maple Tom 4      | 105       | Maple Tom 2        |
| 5       | Oak Kit 1            | 4         | Oak Bass Drum         | 183       | Hi-Hat Pedal Dark      | 43        | Oak Snare Open Rim       | 108       | Oak Tom 5        | 109       | Oak Tom 4          |
| 6       | Oak Kit 2            | 4         | Oak Bass Drum         | 183       | Hi-Hat Pedal Dark      | 43        | Oak Snare Open Rim       | 108       | Oak Tom 5        | 109       | Oak Tom 4          |
| 7       | Oak Kit 3            | 4         | Oak Bass Drum         | 183       | Hi-Hat Pedal Dark      | 43        | Oak Snare Open Rim       | 108       | Oak Tom 5        | 215       | Ride Cymbal Bright |
| 8       | Oak Kit 4            | 4         | Oak Bass Drum         | 183       | Hi-Hat Pedal Dark      | 42        | Oak Snare Head           | 108       | Oak Tom 5        | 111       | Oak Tom 2          |
| 9       | Hard Rock Kit 1      | 7         | Bass Drum Hard Rock 3 | 186       | Hi-Hat Pedal Dark 2    | 46        | Snare Open Rim Hard Rock | 114       | Tom Hard Rock 5  | 115       | Tom Hard Rock 4    |
| 10      | Hard Rock Kit 2      | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 45        | Snare Head Hard Rock     | 115       | Tom Hard Rock 4  | 219       | Ride Cymbal Warm 3 |
| 11      | Hard Rock Kit 3      | 8         | Bass Drum Ambient+    | 189       | Hi-Hat Pedal Power     | 46        | Snare Open Rim Hard Rock | 114       | Tom Hard Rock 5  | 115       | Tom Hard Rock 4    |
| 12      | Hard Rock Kit 4      | 16        | Bass Drum Rock        | 193       | Hi-Hat Pedal           | 66        | Snare Rock Rim           | 137       | Tom Rock 6       | 139       | Tom Rock 4         |
| 13      | Hard Rock Kit 5      | 16        | Bass Drum Rock        | 193       | Hi-Hat Pedal           | 65        | Snare Rock               | 132       | Tom Room 5       | 134       | Tom Room 3         |
| 14      | Analog T8 Kit 1      | 28        | Kick T8 4             | 202       | Hi-Hat Pedal T8        | 87        | Snare T8 6               | 168       | Tom T8 6         | 170       | Tom T8 3           |
| 15      | Analog T8 Kit 2      | 36        | Kick Slimy            | 202       | Hi-Hat Pedal T8        | 91        | Snare Clap Analog        | 167       | Tom T8 7         | 169       | Tom T8 4           |
| 16      | Analog T8 Kit 3      | 25        | Kick T8 1             | 202       | Hi-Hat Pedal T8        | 84        | Snare T8 3               | 314       | Conga T8 3       | 313       | Conga T8 2         |
| 17      | Vox Kit              | 34        | Bass Drum Vox 1       | 205       | Hi-Hat Pedal Vox       | 100       | Snare Open Rim Vox       | 176       | Tom Vox 3        | 177       | Tom Vox 2          |
| 18      | Stereo Kit 1         | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 49        | Snare Power              | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 19      | Stereo Kit 2         | 9         | Bass Drum Open Power  | 189       | Hi-Hat Pedal Power     | 52        | Snare Power 2            | 120       | Tom Power 5      | 122       | Tom Power 3        |
| 20      | Stereo Kit 3         | 8         | Bass Drum Ambient+    | 189       | Hi-Hat Pedal Power     | 53        | Snare Rough 2            | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 21      | Stereo Kit 4         | 8         | Bass Drum Ambient+    | 189       | Hi-Hat Pedal Power     | 48        | Snare Soft Power         | 121       | Tom Power 4      | 123       | Tom Power 2        |
| 22      | Stereo Kit 5         | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 50        | Snare Rough              | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 23      | Stereo Ballad Kit    | 8         | Bass Drum Ambient+    | 189       | Hi-Hat Pedal Power     | 49        | Snare Power              | 120       | Tom Power 5      | 122       | Tom Power 3        |
| 24      | Ballad Kit 1         | 13        | Bass Drum             | 193       | Hi-Hat Pedal           | 55        | Snare                    | 127       | Mid Tom L        | 129       | Floor Tom H        |
| 25      | Ballad Kit 2         | 14        | Bass Drum 2           | 193       | Hi-Hat Pedal           | 58        | Snare Soft 2             | 127       | Mid Tom L        | 129       | Floor Tom H        |
| 26      | Analog Ballad Kit 1  | 19        | Bass Drum Analog H    | 196       | Hi-Hat Closed Analog 2 | 69        | Snare Analog 1           | 149       | Tom Analog 6     | 151       | Tom Analog 4       |
| 27      | Analog Ballad Kit 2  | 18        | Bass Drum Analog L    | 196       | Hi-Hat Closed Analog 2 | 69        | Snare Analog 1           | 149       | Tom Analog 6     | 151       | Tom Analog 4       |
| 28      | Stereo Shuffle Kit 1 | 9         | Bass Drum Open Power  | 189       | Hi-Hat Pedal Power     | 50        | Snare Rough              | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 29      | Stereo Shuffle Kit 2 | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 53        | Snare Rough 2            | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 30      | Stereo Shuffle Kit 3 | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 53        | Snare Rough 2            | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 31      | Stereo Slow Rock Kit | 10        | Bass Drum Close Power | 189       | Hi-Hat Pedal Power     | 48        | Snare Soft Power         | 119       | Tom Power 6      | 121       | Tom Power 4        |
| 32      | Electric Kit 1       | 17        | Bass Drum Gate        | 193       | Hi-Hat Pedal           | 68        | Snare Noisy 2            | 143       | Tom Electronic 6 | 145       | Tom Electronic 4   |
| 33      | Electric Kit 2       | 17        | Bass Drum Gate        | 193       | Hi-Hat Pedal           | 67        | Snare Snappy Electronic  | 143       | Tom Electronic 6 | 145       | Tom Electronic 4   |
| 34      | Dance Kit 1          | 21        | Kick Techno L         | 199       | Hi-Hat Closed Analog 4 | 71        | Snare Clap               | 149       | Tom Analog 6     | 151       | Tom Analog 4       |
| 35      | Dance Kit 2          | 22        | Kick Techno           | 199       | Hi-Hat Closed Analog 4 | 70        | Snare Techno             | 149       | Tom Analog 6     | 151       | Tom Analog 4       |



| Kit No. | Voice No. | Pad 4            | Voice No. | Pad 5                | Voice No. | Pad 6                  | Voice No. | Pad 7                  | Voice No. | Pad 8                  |
|---------|-----------|------------------|-----------|----------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|
| 1       | 105       | Maple Tom 2      | 211       | Crash Cymbal Dark    | 179       | Hi-Hat Closed Bright   | 210       | Ride Cymbal Cup Warm   | 208       | Ride Cymbal Warm 1     |
| 2       | 105       | Maple Tom 2      | 211       | Crash Cymbal Dark    | 179       | Hi-Hat Closed Bright   | 213       | Splash Cymbal 2        | 208       | Ride Cymbal Warm 1     |
| 3       | 105       | Maple Tom 2      | 211       | Crash Cymbal Dark    | 179       | Hi-Hat Closed Bright   | 212       | Chinese Cymbal 2       | 210       | Ride Cymbal Cup Warm   |
| 4       | 41        | Maple Side Stick | 211       | Crash Cymbal Dark    | 179       | Hi-Hat Closed Bright   | 210       | Ride Cymbal Cup Warm   | 208       | Ride Cymbal Warm 1     |
| 5       | 111       | Oak Tom 2        | 217       | Crash Cymbal Dark 2  | 182       | Hi-Hat Closed Dark     | 216       | Ride Cymbal Cup Bright | 215       | Ride Cymbal Bright     |
| 6       | 111       | Oak Tom 2        | 217       | Crash Cymbal Dark 2  | 182       | Hi-Hat Closed Dark     | 213       | Splash Cymbal 2        | 215       | Ride Cymbal Bright     |
| 7       | 111       | Oak Tom 2        | 217       | Crash Cymbal Dark 2  | 182       | Hi-Hat Closed Dark     | 212       | Chinese Cymbal 2       | 216       | Ride Cymbal Cup Bright |
| 8       | 44        | Oak Side Stick   | 217       | Crash Cymbal Dark 2  | 107       | Oak Tom 6              | 215       | Ride Cymbal Bright     | 182       | Hi-Hat Closed Dark     |
| 9       | 117       | Tom Hard Rock 2  | 221       | Crash Cymbal Dark 3  | 185       | Hi-Hat Closed Dark 2   | 220       | Ride Cymbal Cup Warm 2 | 219       | Ride Cymbal Warm 3     |
| 10      | 117       | Tom Hard Rock 2  | 222       | Crash Cymbal Power 1 | 185       | Hi-Hat Closed Dark 2   | 220       | Ride Cymbal Cup Warm 2 | 218       | Crash Cymbal Warm 2    |
| 11      | 117       | Tom Hard Rock 2  | 222       | Crash Cymbal Power 1 | 185       | Hi-Hat Closed Dark 2   | 234       | Chinese Cymbal         | 225       | Ride Cymbal Power 2    |
| 12      | 141       | Tom Rock 2       | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed          | 348       | Cowbell Top            | 231       | Ride Cymbal 1          |
| 13      | 136       | Tom Room 1       | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed          | 234       | Chinese Cymbal         | 231       | Ride Cymbal 1          |
| 14      | 172       | Tom T8 1         | 241       | Crash Cymbal T8      | 201       | Hi-Hat Closed T8       | 350       | Cowbell T8             | 251       | Clap T9                |
| 15      | 171       | Tom T8 2         | 241       | Crash Cymbal T8      | 201       | Hi-Hat Closed T8       | 92        | Snare T8 Rim           | 93        | Snare Analog CR        |
| 16      | 312       | Conga T8 1       | 241       | Crash Cymbal T8      | 201       | Hi-Hat Closed T8       | 92        | Snare T8 Rim           | 251       | Clap T9                |
| 17      | 178       | Tom Vox 1        | 242       | Crash Cymbal Vox 1   | 204       | Hi-Hat Closed Vox      | 244       | Ride Cymbal Cup Vox    | 245       | Crash Cymbal Vox 2     |
| 18      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power    | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 19      | 124       | Tom Power 1      | 222       | Crash Cymbal Power 1 | 191       | Hi-Hat Closed Power 2  | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 20      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 191       | Hi-Hat Closed Power 2  | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 21      | 246       | Side Stick Power | 228       | Splash Cymbal Power  | 256       | Tambourine 2           | 222       | Crash Cymbal Power 1   | 188       | Hi-Hat Closed Power    |
| 22      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power    | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 23      | 124       | Tom Power 1      | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power    | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 24      | 247       | Side Stick       | 230       | Crash Cymbal 2       | 192       | Hi-Hat Closed          | 233       | Ride Cymbal Cup        | 231       | Ride Cymbal 1          |
| 25      | 247       | Side Stick       | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed          | 257       | Tambourine             | 231       | Ride Cymbal 1          |
| 26      | 153       | Tom Analog 2     | 236       | Cymbal Analog        | 195       | Hi-Hat Closed Analog 1 | 360       | Claves                 | 232       | Ride Cymbal 2          |
| 27      | 153       | Tom Analog 2     | 236       | Cymbal Analog        | 195       | Hi-Hat Closed Analog 1 | 360       | Claves                 | 232       | Ride Cymbal 2          |
| 28      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power    | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 29      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 191       | Hi-Hat Closed Power 2  | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 30      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 191       | Hi-Hat Closed Power 2  | 256       | Tambourine 2           | 225       | Ride Cymbal Power 2    |
| 31      | 123       | Tom Power 2      | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power    | 228       | Splash Cymbal Power    | 225       | Ride Cymbal Power 2    |
| 32      | 147       | Tom Electronic 2 | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed          | 234       | Chinese Cymbal         | 231       | Ride Cymbal 1          |
| 33      | 147       | Tom Electronic 2 | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed          | 234       | Chinese Cymbal         | 231       | Ride Cymbal 1          |
| 34      | 153       | Tom Analog 2     | 236       | Cymbal Analog        | 198       | Hi-Hat Closed Analog 3 | 370       | Triangle Open          | 369       | Triangle Mute          |
| 35      | 153       | Tom Analog 2     | 236       | Cymbal Analog        | 198       | Hi-Hat Closed Analog 3 | 249       | Hand Clap              | 257       | Tambourine             |

Drum Kit List

| Kit No. | Kit Name            | Voice No. | Pedal 1                   | Voice No. | Pedal 2                     | Voice No. | Pad 1                   | Voice No. | Pad 2              | Voice No. | Pad 3                       |
|---------|---------------------|-----------|---------------------------|-----------|-----------------------------|-----------|-------------------------|-----------|--------------------|-----------|-----------------------------|
| 36      | Analog Kit          | 19        | Bass Drum Analog H        | 196       | Hi-Hat Closed Analog 2      | 69        | Snare Analog 1          | 249       | Hand Clap          | 151       | Tom Analog 4                |
| 37      | DJ Kit              | 20        | Kick Techno Q             | 199       | Hi-Hat Closed Analog 4      | 73        | Rim Gate                | 556       | Yo!                | 557       | Go!                         |
| 38      | Disco Kit 1         | 13        | Bass Drum                 | 193       | Hi-Hat Pedal                | 56        | Snare Tight             | 126       | Mid Tom H          | 128       | Low Tom                     |
| 39      | Disco Kit 2         | 21        | Kick Techno L             | 199       | Hi-Hat Closed Analog 4      | 70        | Snare Techno            | 249       | Hand Clap          | 151       | Tom Analog 4                |
| 40      | Jazz Kit            | 23        | Bass Drum Jazz            | 193       | Hi-Hat Pedal                | 74        | Snare Jazz L            | 155       | Tom Jazz 6         | 157       | Tom Jazz 4                  |
| 41      | Brush Kit           | 12        | Bass Drum Hard            | 193       | Hi-Hat Pedal                | 81        | Brush Slap              | 161       | Tom Brush 6        | 163       | Tom Brush 4                 |
| 42      | 5/4 Jazz Kit        | 11        | Bass Drum Soft            | 193       | Hi-Hat Pedal                | 58        | Snare Soft 2            | 125       | High Tom           | 127       | Mid Tom L                   |
| 43      | Dixieland Kit       | 12        | Bass Drum Hard            | 193       | Hi-Hat Pedal                | 58        | Snare Soft 2            | 80        | Brush Tap          | 81        | Brush Slap                  |
| 44      | Soul Kit            | 9         | Bass Drum Open Power      | 189       | Hi-Hat Pedal Power          | 53        | Snare Rough 2           | 120       | Tom Power 5        | 122       | Tom Power 3                 |
| 45      | R & R Kit           | 13        | Bass Drum                 | 193       | Hi-Hat Pedal                | 54        | Snare Soft              | 125       | High Tom           | 127       | Mid Tom L                   |
| 46      | 6/8 Blues Kit       | 8         | Bass Drum Ambient+        | 189       | Hi-Hat Pedal Power          | 48        | Snare Soft Power        | 120       | Tom Power 5        | 122       | Tom Power 3                 |
| 47      | Country Kit         | 13        | Bass Drum                 | 193       | Hi-Hat Pedal                | 62        | Snare Room L            | 133       | Tom Room 4         | 135       | Tom Room 2                  |
| 48      | Samba Kit           | 13        | Bass Drum                 | 355       | Maracas                     | 364       | Cuica Mute              | 352       | Agogo H            | 353       | Agogo L                     |
| 49      | Bossa Nova Kit 1    | 12        | Bass Drum Hard            | 193       | Hi-Hat Pedal                | 247       | Side Stick              | 162       | Tom Brush 5        | 164       | Tom Brush 3                 |
| 50      | Bossa Nova Kit 2    | 4         | Oak Bass Drum             | 183       | Hi-Hat Pedal Dark           | 42        | Oak Snare Head          | 108       | Oak Tom 5          | 111       | Oak Tom 2                   |
| 51      | Conga Kit           | 294       | Conga L Slide             | 348       | Cowbell Top                 | 285       | Conga H Slap Mute       | 281       | Conga H Open       | 288       | Conga L Open                |
| 52      | Conga & Bongo Kit 1 | 14        | Bass Drum 2               | 348       | Cowbell Top                 | 281       | Conga H Open            | 288       | Conga L Open       | 315       | Bongo H Open 1 Finger       |
| 53      | Conga & Bongo Kit 2 | 14        | Bass Drum 2               | 348       | Cowbell Top                 | 301       | Conga 2 H Open          | 308       | Conga 2 L Open     | 327       | Bongo 2 H Mute              |
| 54      | Salsa Kit           | 13        | Bass Drum                 | 362       | Wood Block H                | 322       | Bongo L Open 3 Fingers  | 339       | Timbale L Open     | 338       | Timbale H Open              |
| 55      | Beguine Kit         | 12        | Bass Drum Hard            | 193       | Hi-Hat Pedal                | 247       | Side Stick              | 126       | Mid Tom H          | 128       | Low Tom                     |
| 56      | Reggae Kit          | 8         | Bass Drum Ambient+        | 189       | Hi-Hat Pedal Power          | 50        | Snare Rough             | 339       | Timbale L Open     | 338       | Timbale H Open              |
| 57      | Waltz Kit           | 23        | Bass Drum Jazz            | 193       | Hi-Hat Pedal                | 80        | Brush Tap               | 81        | Brush Slap         | 162       | Tom Brush 5                 |
| 58      | March Kit           | 37        | Gran Cassa                | 193       | Hi-Hat Pedal                | 76        | Band Snare 1            | 362       | Wood Block H       | 363       | Wood Block L                |
| 59      | Timpani Kit         | 37        | Gran Cassa                | 193       | Hi-Hat Pedal                | 264       | Timpani E1              | 269       | Timpani A1         | 274       | Timpani D2                  |
| 60      | Arabic Kit 1        | 449       | Katem Dom                 | 451       | Katem Tak 1                 | 437       | Tablah Dom 1            | 436       | Tablah Sak 1       | 433       | Tablah Tak 4                |
| 61      | Arabic Kit 2        | 449       | Katem Dom                 | 451       | Katem Tak 1                 | 446       | Daholla Dom             | 444       | Daholla Sak 1      | 447       | Daholla Tak 2               |
| 62      | Arabic Kit 3        | 474       | Sagat 1                   | 476       | Sagat 3                     | 449       | Katem Dom               | 450       | Katem Sak 1        | 451       | Katem Tak 1                 |
| 63      | Brazil Kit 1        | 399       | Tan Tan 1 Open Right Hand | 398       | Tan Tan 1 Closed Right Hand | 402       | Pandeiro L Thumb Closed | 404       | Pandeiro L Toe Rim | 405       | Pandeiro L Heel             |
| 64      | Brazil Kit 2        | 378       | Surdo 2 Open              | 377       | Surdo 2 Mute                | 402       | Pandeiro L Thumb Closed | 404       | Pandeiro L Toe Rim | 405       | Pandeiro L Heel             |
| 65      | Brazil Kit 3        | 391       | Zabumba Open Right Hand   | 392       | Zabumba Mute Right Hand     | 402       | Pandeiro L Thumb Closed | 404       | Pandeiro L Toe Rim | 405       | Pandeiro L Heel             |
| 66      | Indian Kit 1        | 510       | Dholak 2 Rim 1            | 491       | Hatheli Short               | 479       | Baya ghe                | 477       | Baya ge            | 481       | Tabla na                    |
| 67      | Indian Kit 2        | 502       | Dhol 2 Open               | 504       | Dhol 2 Rim                  | 508       | Dholak 2 Open           | 510       | Dholak 2 Rim 1     | 511       | Dholak 2 Rim 2              |
| 68      | Indian Kit 3        | 498       | Dafli Open                | 499       | Dafli Rim                   | 502       | Dhol 2 Open             | 504       | Dhol 2 Rim         | 513       | Dholki H Mute               |
| 69      | Indian Kit 4        | 498       | Dafli Open                | 499       | Dafli Rim                   | 500       | Dhol 1 Open             | 501       | Dhol 1 Slap        | 503       | Dhol 2 Slap                 |
| 70      | African Kit         | 13        | Bass Drum                 | 354       | Cabasa                      | 539       | Djembe Slap             | 537       | Djembe L           | 545       | Talking Drum Left Hand Open |
| 71      | Folklore Kit        | 13        | Bass Drum                 | 372       | Jingle Bells                | 376       | Cajon 2 Slap            | 374       | Cajon 2 L          | 373       | Wind Chime                  |
| 72      | Japanese Kit        | 548       | Yaguradaiko               | 549       | Yaguradaiko Rim             | 546       | Oodaiko                 | 551       | Shimedaiko         | 550       | Atarigane                   |
| 73      | Chinese Kit         | 528       | Dagu Heavy                | 530       | Zhongcha Mute               | 527       | Paigu M                 | 526       | Bangu              | 535       | Xiaocha Mute                |
| 74      | SE Kit 1            | 562       | Footsteps                 | 562       | Footsteps                   | 564       | Rooster                 | 568       | Horse Neigh        | 569       | Cow                         |
| 75      | SE Kit 2            | 557       | Go!                       | 562       | Footsteps                   | 556       | Yo!                     | 560       | Huuuah!            | 561       | Uh!+Hit                     |

| Kit No. | Voice No. | Pad 4                   | Voice No. | Pad 5                | Voice No. | Pad 6                   | Voice No. | Pad 7             | Voice No. | Pad 8               |
|---------|-----------|-------------------------|-----------|----------------------|-----------|-------------------------|-----------|-------------------|-----------|---------------------|
| 36      | 153       | Tom Analog 2            | 236       | Cymbal Analog        | 195       | Hi-Hat Closed Analog 1  | 348       | Cowbell Top       | 257       | Tambourine          |
| 37      | 558       | Get up!                 | 236       | Cymbal Analog        | 198       | Hi-Hat Closed Analog 3  | 554       | Scratch H         | 555       | Scratch L           |
| 38      | 130       | Floor Tom L             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 235       | Splash Cymbal     | 231       | Ride Cymbal 1       |
| 39      | 153       | Tom Analog 2            | 236       | Cymbal Analog        | 198       | Hi-Hat Closed Analog 3  | 257       | Tambourine        | 230       | Crash Cymbal 2      |
| 40      | 159       | Tom Jazz 2              | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 233       | Ride Cymbal Cup   | 231       | Ride Cymbal 1       |
| 41      | 165       | Tom Brush 2             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 233       | Ride Cymbal Cup   | 232       | Ride Cymbal 2       |
| 42      | 129       | Floor Tom H             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 257       | Tambourine        | 231       | Ride Cymbal 1       |
| 43      | 130       | Floor Tom L             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 235       | Splash Cymbal     | 231       | Ride Cymbal 1       |
| 44      | 124       | Tom Power 1             | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power     | 249       | Hand Clap         | 225       | Ride Cymbal Power 2 |
| 45      | 129       | Floor Tom H             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 235       | Splash Cymbal     | 231       | Ride Cymbal 1       |
| 46      | 124       | Tom Power 1             | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power     | 249       | Hand Clap         | 225       | Ride Cymbal Power 2 |
| 47      | 247       | Side Stick              | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 235       | Splash Cymbal     | 231       | Ride Cymbal 1       |
| 48      | 365       | Cuica Open              | 390       | Tamborim 1 Mute      | 389       | Tamborim 1 Open         | 397       | Whistle Long      | 396       | Whistle Short       |
| 49      | 81        | Brush Slap              | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 373       | Wind Chime        | 231       | Ride Cymbal 1       |
| 50      | 247       | Side Stick              | 217       | Crash Cymbal Dark 2  | 182       | Hi-Hat Closed Dark      | 235       | Splash Cymbal     | 215       | Ride Cymbal Bright  |
| 51      | 289       | Conga L Mute            | 287       | Conga H Heel         | 286       | Conga H Tip             | 356       | Guiro Short       | 357       | Guiro Long          |
| 52      | 322       | Bongo L Open 3 Fingers  | 287       | Conga H Heel         | 285       | Conga H Slap Mute       | 356       | Guiro Short       | 357       | Guiro Long          |
| 53      | 328       | Bongo 2 L Open 1 Finger | 299       | Conga Heel           | 297       | Conga Slap              | 356       | Guiro Short       | 357       | Guiro Long          |
| 54      | 288       | Conga L Open            | 360       | Claves               | 315       | Bongo H Open 1 Finger   | 373       | Wind Chime        | 281       | Conga H Open        |
| 55      | 130       | Floor Tom L             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 231       | Ride Cymbal 1     | 360       | Claves              |
| 56      | 122       | Tom Power 3             | 222       | Crash Cymbal Power 1 | 188       | Hi-Hat Closed Power     | 230       | Crash Cymbal 2    | 231       | Ride Cymbal 1       |
| 57      | 165       | Tom Brush 2             | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 233       | Ride Cymbal Cup   | 232       | Ride Cymbal 2       |
| 58      | 77        | Band Snare 2            | 229       | Crash Cymbal 1       | 192       | Hi-Hat Closed           | 257       | Tambourine        | 231       | Ride Cymbal 1       |
| 59      | 279       | Timpani G2              | 222       | Crash Cymbal Power 1 | 192       | Hi-Hat Closed           | 373       | Wind Chime        | 231       | Ride Cymbal 1       |
| 60      | 432       | Tablah Tak 1            | 474       | Sagat 1              | 476       | Sagat 3                 | 471       | Riq Tak 2         | 473       | Riq Dom             |
| 61      | 445       | Daholla Tak 1           | 474       | Sagat 1              | 476       | Sagat 3                 | 471       | Riq Tak 2         | 473       | Riq Dom             |
| 62      | 453       | Katem Tak 2             | 471       | Riq Tak 2            | 473       | Riq Dom                 | 472       | Riq Brass 2       | 470       | Riq Brass 1         |
| 63      | 403       | Pandeiro L Thumb Open   | 414       | Repique de Mao Slap  | 415       | Repique de Mao Thmb Rim | 426       | Ganza             | 406       | Pandeiro L Slap     |
| 64      | 403       | Pandeiro L Thumb Open   | 422       | Agogo Bell 1         | 423       | Agogo Bell 2            | 366       | Cuica H Short     | 368       | Cuica L Short       |
| 65      | 403       | Pandeiro L Thumb Open   | 422       | Agogo Bell 1         | 424       | Agogo Click 1           | 426       | Ganza             | 406       | Pandeiro L Slap     |
| 66      | 482       | Tabla tin               | 480       | Baya ka              | 478       | Baya ke                 | 497       | Mondira Closed    | 496       | Mondira Open        |
| 67      | 509       | Dholak 2 Slide          | 513       | Dholki H Mute        | 515       | Dholki H Slap           | 495       | Jhanji Closed     | 494       | Jhanji Open         |
| 68      | 512       | Dholki H Open           | 510       | Dholak 2 Rim 1       | 511       | Dholak 2 Rim 2          | 490       | Hatheli Long      | 491       | Hatheli Short       |
| 69      | 504       | Dhol 2 Rim              | 524       | Dandia Short         | 525       | Dandia Long             | 490       | Hatheli Long      | 491       | Hatheli Short       |
| 70      | 543       | Talking Drum Bend Up    | 229       | Crash Cymbal 1       | 538       | Djembe Mute             | 544       | Talking Drum Slap | 542       | Talking Drum Open   |
| 71      | 258       | Finger Snap             | 371       | Shaker               | 375       | Cajon 2 Mute            | 256       | Tambourine 2      | 235       | Splash Cymbal       |
| 72      | 372       | Jingle Bells            | 552       | Tsudumi              | 547       | Oodaiko Rim             | 553       | Ainote            | 360       | Claves              |
| 73      | 531       | Luo Big                 | 533       | Zhongluo Open        | 529       | Zhongcha Open           | 532       | Luo H             | 534       | Xiaoluo Open        |
| 74      | 570       | Lion                    | 566       | Cat                  | 565       | Dog                     | 563       | Frog              | 567       | Owl                 |
| 75      | 559       | Whoow!                  | 249       | Hand Clap            | 558       | Get up!                 | 554       | Scratch H         | 555       | Scratch L           |

# Drum Score

There are many different types of drum score commercially available, but we've chosen the following common format for the examples below.

Hi-Hat Cymbal (H.H.)  
Ride Cymbal (RIDE)

Hi-Hat (H.H.)  
Open Close

Crash Cymbal

Snare Drum  
Snare Drum (Brush Slap)

High Tom  
Mid Tom  
Low Tom

Hi-Hat Cymbal (PEDAL)

Bass Drum

High Low

The following is an actual rhythm pattern using the notation.

## ■ 8 Beat (song No.021)

## ■ 16 Beat (song No.023)

■ **4 Beat** (song No.045)

In the notation above, eighth notes are to be played with a triplet feel (as shown in the notation below). For swing and shuffle rhythms, this straight notation is preferable to the triplet indication since it is easier to read.

■ **Shuffle** (song No.034)

Play the above pattern with a swing feel.

# Specifications

|                                                                                         |                            |                                                                                                                                                                                                                                                                                                                                                                     |                                                        |
|-----------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Product Name</b>                                                                     |                            | Digital Percussion                                                                                                                                                                                                                                                                                                                                                  |                                                        |
| <b>Size/Weight</b>                                                                      | Dimensions (W x D x H)     | 602mm x 411mm x 180mm<br>(23-11/16" x 16-3/16" x 7-1/16")                                                                                                                                                                                                                                                                                                           |                                                        |
|                                                                                         | Weight                     | 4.2kg (9 lb 4 oz) (not including batteries)                                                                                                                                                                                                                                                                                                                         |                                                        |
| <b>Pads/Pedals</b>                                                                      | Number of Pads             | 8                                                                                                                                                                                                                                                                                                                                                                   |                                                        |
|                                                                                         | Number of Pedals           | 2                                                                                                                                                                                                                                                                                                                                                                   |                                                        |
|                                                                                         | Hand Percussion Mode       | Yes                                                                                                                                                                                                                                                                                                                                                                 |                                                        |
|                                                                                         | Pad/Pedal Sensitivity      | Preset: 5 types (Fix, 1-4)<br>Custom Setting: 10                                                                                                                                                                                                                                                                                                                    |                                                        |
| <b>Display</b>                                                                          | Type                       | 7-Segment LED                                                                                                                                                                                                                                                                                                                                                       |                                                        |
| <b>Panel</b>                                                                            | Language                   | English                                                                                                                                                                                                                                                                                                                                                             |                                                        |
| <b>Voices</b>                                                                           | Tone Generation Technology |                                                                                                                                                                                                                                                                                                                                                                     | AWM Stereo Sampling                                    |
|                                                                                         | Polyphony                  |                                                                                                                                                                                                                                                                                                                                                                     | 32 (max.)                                              |
|                                                                                         | Compatibility              |                                                                                                                                                                                                                                                                                                                                                                     | GM, XGlite                                             |
|                                                                                         | Number of Voices           |                                                                                                                                                                                                                                                                                                                                                                     | 570 Voices + 30 Phrases                                |
|                                                                                         | Number of Drum Kits        | Preset Kit                                                                                                                                                                                                                                                                                                                                                          | 75                                                     |
| Custom Kit                                                                              |                            | 10                                                                                                                                                                                                                                                                                                                                                                  |                                                        |
| <b>Effects</b>                                                                          | Types                      | Reverb                                                                                                                                                                                                                                                                                                                                                              | 9 types                                                |
|                                                                                         |                            | Master EQ                                                                                                                                                                                                                                                                                                                                                           | 2 types                                                |
| <b>Song</b>                                                                             | Preset                     | Number of Preset Songs                                                                                                                                                                                                                                                                                                                                              | 105                                                    |
|                                                                                         |                            | Number of Songs                                                                                                                                                                                                                                                                                                                                                     | 5                                                      |
|                                                                                         | Recording                  | Number of Tracks                                                                                                                                                                                                                                                                                                                                                    | 4 (DRUM 1/DRUM 2/DRUM 3/BACKING)                       |
|                                                                                         |                            | Data Capacity                                                                                                                                                                                                                                                                                                                                                       | Approx. 7,000 notes per song                           |
|                                                                                         | Format                     | Playback                                                                                                                                                                                                                                                                                                                                                            | SMF (Format 0), (MIDI data only; audio not supported.) |
|                                                                                         |                            | Recording                                                                                                                                                                                                                                                                                                                                                           | SMF (Format 0), (MIDI data only; audio not supported.) |
|                                                                                         | Other Features             | Auto Kit Select                                                                                                                                                                                                                                                                                                                                                     | Yes                                                    |
|                                                                                         |                            | Tap Start                                                                                                                                                                                                                                                                                                                                                           | Yes                                                    |
| Break                                                                                   |                            | Yes                                                                                                                                                                                                                                                                                                                                                                 |                                                        |
| <b>Click</b>                                                                            | Tempo Range                | 11–320                                                                                                                                                                                                                                                                                                                                                              |                                                        |
|                                                                                         | Click Voice                | 4 types (Metronome/Cowbell/Stick/Human Voice)                                                                                                                                                                                                                                                                                                                       |                                                        |
| <b>Storage and Connectivity</b>                                                         | Storage                    | Internal Memory                                                                                                                                                                                                                                                                                                                                                     | Approx. 370KB                                          |
|                                                                                         | Connections                | DC IN                                                                                                                                                                                                                                                                                                                                                               | 12V                                                    |
|                                                                                         |                            | Headphones                                                                                                                                                                                                                                                                                                                                                          | Standard stereo phone jack                             |
|                                                                                         |                            | AUX IN                                                                                                                                                                                                                                                                                                                                                              | Stereo mini jack                                       |
|                                                                                         |                            | PEDAL                                                                                                                                                                                                                                                                                                                                                               | 1, 2                                                   |
|                                                                                         |                            | MIDI                                                                                                                                                                                                                                                                                                                                                                | IN, OUT                                                |
| <b>Amplifiers/ Speakers</b>                                                             | Amplifiers                 | 5W + 5W                                                                                                                                                                                                                                                                                                                                                             |                                                        |
|                                                                                         | Speakers                   | 8cm x 2                                                                                                                                                                                                                                                                                                                                                             |                                                        |
| <b>Power Supply</b>                                                                     | Adaptor                    | PA-150                                                                                                                                                                                                                                                                                                                                                              |                                                        |
|                                                                                         | Battery                    | Size C battery (alkaline dry cell/manganese-by-cell/<br>rechargeable Ni-MH battery) x 6                                                                                                                                                                                                                                                                             |                                                        |
|                                                                                         | Power Consumption          | 18W                                                                                                                                                                                                                                                                                                                                                                 |                                                        |
|                                                                                         | Auto Power Off             | Yes                                                                                                                                                                                                                                                                                                                                                                 |                                                        |
| <b>Included Accessories</b>                                                             |                            | <ul style="list-style-type: none"> <li>• Owner's Manual</li> <li>• AC adaptor x 1 (PA-150 or an equivalent recommended by Yamaha)*</li> <li>• Drum Sticks</li> <li>• Foot Pedal 1 &amp; 2</li> <li>• Online Member Product Registration x 1</li> </ul> <p>*: May not be included depending on your particular locale. Check with your Yamaha dealer.</p>            |                                                        |
| <b>Separately Sold Accessories<br/>(May not be available depending on your locale.)</b> |                            | <ul style="list-style-type: none"> <li>• AC adaptor: PA-150 or an equivalent recommended by Yamaha</li> <li>• Headphones: HPH-50/HPH-100/HPH-150</li> <li>• Wireless MIDI adaptor: MD-BT01</li> <li>• Hi-hat controller: HH40/HH65</li> <li>• Electronic kick unit: KU100</li> <li>• Electronic drum pad: KP65</li> <li>• Snare drum stand: SS662/SS740A</li> </ul> |                                                        |

\* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

# Index

|                                          |        |
|------------------------------------------|--------|
| <b>A</b>                                 |        |
| A-B Repeat .....                         | 34     |
| AC Adaptor .....                         | 12     |
| Auto Kit Select .....                    | 31     |
| Auto Power Off .....                     | 14     |
| <b>B</b>                                 |        |
| Backup .....                             | 41     |
| Battery .....                            | 12, 13 |
| Beat Indicator .....                     | 29     |
| Break .....                              | 33     |
| <b>C</b>                                 |        |
| Click .....                              | 25     |
| Click Voice .....                        | 27     |
| Click Volume .....                       | 26     |
| Compatible Formats and Functions .....   | 8      |
| Computer .....                           | 38     |
| Computer-related Operations .....        | 7      |
| Custom Kit .....                         | 20     |
| <b>D</b>                                 |        |
| Demo Song .....                          | 16     |
| Drum Kit .....                           | 19     |
| Drum Kit List .....                      | 48     |
| Drum Score .....                         | 52     |
| Drum Voice List .....                    | 43     |
| <b>E</b>                                 |        |
| External Audio Device .....              | 39     |
| <b>F</b>                                 |        |
| Function .....                           | 40     |
| <b>H</b>                                 |        |
| Hand Percussion .....                    | 18     |
| Headphone .....                          | 14     |
| <b>I</b>                                 |        |
| Initialization .....                     | 41     |
| iPhone/iPad Connection Manual .....      | 7      |
| <b>M</b>                                 |        |
| Master EQ Type .....                     | 14     |
| Master Volume .....                      | 14     |
| MIDI Device .....                        | 38     |
| MIDI Reference .....                     | 7, 38  |
| Musicsoft Downloader .....               | 38     |
| <b>O</b>                                 |        |
| Online Member Product Registration ..... | 7      |
| <b>P</b>                                 |        |
| Pad .....                                | 17     |
| Pad Start .....                          | 30     |
| Pedal .....                              | 13, 17 |
| <b>R</b>                                 |        |
| Recording .....                          | 35     |
| Reverb type .....                        | 21     |
| <b>S</b>                                 |        |
| Sensitivity .....                        | 22     |
| Song Clear .....                         | 37     |
| Song List .....                          | 47     |
| Song Volume .....                        | 29     |
| Specifications .....                     | 54     |
| <b>T</b>                                 |        |
| Tap Start .....                          | 29     |
| Tempo .....                              | 32     |
| Time Signature .....                     | 25     |
| Track .....                              | 33     |
| Troubleshooting .....                    | 42     |

### Information for users on collection and disposal of old equipment and used batteries:



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.  
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation.



By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.



For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

#### **For business users in the European Union:**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.



#### **Information on Disposal in other Countries outside the European Union:**

These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

#### **Note for the battery symbol (bottom two symbol examples):**

This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the EU Battery Directive for the chemical involved.

Cd

(weee\_battery\_eu\_en\_02)





## LIMITED 1-YEAR WARRANTY ON PORTABLE DIGITAL DRUMS

Thank you for selecting a Yamaha product. Yamaha products are designed and manufactured to provide a high level of defect-free performance. Yamaha Corporation of America ("Yamaha") is proud of the experience and craftsmanship that goes into each and every Yamaha product. Yamaha sells its products through a network of reputable, specially authorized dealers and is pleased to offer you, the Original Owner, the following Limited Warranty, which applies only to products that have been (1) directly purchased from Yamaha's authorized dealers in the fifty states of the USA and District of Columbia (the "Warranted Area") and (2) used exclusively in the Warranted Area. Yamaha suggests that you read the Limited Warranty thoroughly, and invites you to contact your authorized Yamaha dealer or Yamaha Customer Service if you have any questions.

**Coverage:** Yamaha will, at its option, repair or replace the product covered by this warranty if it becomes defective, malfunctions or otherwise fails to conform with this warranty under normal use and service during the term of this warranty, without charge for labor or materials. Repairs may be performed using new or refurbished parts that meet or exceed Yamaha specifications for new parts. If Yamaha elects to replace the product, the replacement may be a reconditioned unit. You will be responsible for any installation or removal charges and for any initial shipping charges if the product(s) must be shipped for warranty service. However, Yamaha will pay the return shipping charges to any destination within the USA if the repairs are covered by the warranty. This warranty does not cover (a) damage, deterioration or malfunction resulting from accident, negligence, misuse, abuse, improper installation or operation or failure to follow instructions according to the Owner's Manual for this product; any shipment of the product (claims must be presented to the carrier); repair or attempted repair by anyone other than Yamaha or an authorized Yamaha Service Center; (b) any unit which has been altered or on which the serial number has been defaced, modified or removed; (c) normal wear and any periodic maintenance; (d) deterioration due to perspiration, corrosive atmosphere or other external causes such as extremes in temperature or humidity; (e) damages attributable to power line surge or related electrical abnormalities, lightning damage or acts of God; or (f) RFI/EMI (Interference/noise) caused by improper grounding or the improper use of either certified or uncertified equipment, if applicable or (g) drum sticks. Any evidence of alteration, erasing or forgery of proof-of-purchase documents will cause this warranty to be void. This warranty covers only the Original Owner and is not transferable.

**In Order to Obtain Warranty Service:** Warranty service will only be provided for defective products within the Warranted Area. Contact your local authorized Yamaha dealer who will advise you of the procedures to be followed. If this is not successful, contact Yamaha at the address, telephone number or website shown below. Yamaha may request that you send the defective product to a local authorized Yamaha Servicer or authorize return of the defective product to Yamaha for repair. If you are uncertain as to whether a dealer has been authorized by Yamaha, please contact Yamaha's Service Department at the number shown below, or check Yamaha's website at [www.Yamaha.com](http://www.Yamaha.com). Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the product, as evidence of warranty coverage. Should any product submitted for warranty service be found ineligible therefore, an estimate of repair cost will be furnished and the repair will be accomplished only if requested by you and upon receipt of payment or acceptable arrangement for payment.

**Limitation of Implied Warranties and Exclusion of Damages:** ANY IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE APPLICABLE PERIOD OF TIME SET FORTH ABOVE. YAMAHA SHALL NOT BE RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE, DAMAGE TO ANY OTHER EQUIPMENT OR OTHER ITEMS AT THE SITE OF USE OR INTERRUPTION OF PERFORMANCES OR ANY CONSEQUENCES. YAMAHA'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO REPAIR OR REPLACEMENT OF THE PRODUCT, AT YAMAHA'S OPTION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only express warranty applicable to the product specified herein; Yamaha neither assumes nor authorizes anyone to assume for it any other express warranty.

If you have any questions about service received or if you need assistance in locating an authorized Yamaha Servicer, please contact:



CUSTOMER SERVICE  
Yamaha Corporation of America  
6600 Orangethorpe Avenue, Buena Park, California 90620-1373  
Telephone: 800-854-1569  
[www.yamaha.com](http://www.yamaha.com)

**Do not return any product to the above address without a written Return Authorization issued by YAMAHA.**

©2009 Yamaha Corporation of America. Effective: 11/01/09

# Important Notice: Guarantee Information for customers in European Economic Area (EEA) and Switzerland

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>English</b>    | <b>Important Notice: Guarantee Information for customers in EEA* and Switzerland</b><br>For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area                                                                           |
| <b>Deutsch</b>    | <b>Wichtiger Hinweis: Garantie-Information für Kunden in der EWR* und der Schweiz</b><br>Für nähere Garantie-Information über dieses Produkt von Yamaha, sowie über den Pan-EWR*- und Schweizer Garantieservice, besuchen Sie bitte entweder die folgende angegebene Internetadresse (eine druckfähige Version befindet sich auch auf unserer Webseite), oder wenden Sie sich an den für Ihr Land zuständigen Yamaha-Vertrieb. *EWR: Europäischer Wirtschaftsraum     |
| <b>Français</b>   | <b>Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse</b><br>Pour des informations détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE : Espace Economique Européen |
| <b>Nederlands</b> | <b>Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland</b><br>Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vindt een afprintbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte                                                    |
| <b>Español</b>    | <b>Aviso importante: Información sobre la garantía para los clientes del EEE* y Suiza</b><br>Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la versión del archivo para imprimir está disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país. * EEE: Espacio Económico Europeo                         |
| <b>Italiano</b>   | <b>Aviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera</b><br>Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattate l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea        |
| <b>Português</b>  | <b>Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça</b><br>Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representação da Yamaha no seu país. * AEE: Área Económica Europeia                                                        |
| <b>Ελληνικά</b>   | <b>Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Ελβετία</b><br>Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλη τη χώρα του ΕΟΧ* και την Ελβετία, επισκεψείτε την παρακάτω ιστοσελίδα (εγκυρίσιμη έκδοση είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθείας στην αντιπροσωπεία της Yamaha στην χώρα σας. * ΕΟΧ: Ευρωπαϊκό Οικονομικό Χώρο                                           |
| <b>Svenska</b>    | <b>Viktig: Garantierinformation för kunder i EES-området* och Schweiz</b><br>För detaljerad information om denna Yamaha-produkt samt garantier i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvärdig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. * EES: Europeiska Ekonomiska Samarbetsområdet                                                                                 |
| <b>Norsk</b>      | <b>Viktig merknad: Garantierinformasjon for kunder i EØS* og Sveits</b><br>Detaljert garantierinformasjon om dette Yamaha-produktet og garantier i hele EØS-området* og Sveits kan fås enten ved å besøke nettstedene nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte Yamahas-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet                                                                                     |
| <b>Dansk</b>      | <b>Vigtig oplysning: Garantiplysninger til kunder i EØO* og Schweiz</b><br>De kan finde detaljerede garantiplysninger om dette Yamaha-produkt og den fælles garantieserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØO: Det Europæiske Økonomiske Område                  |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suomi</b>          | <b>Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA) ja Sveitsin asiakkaille</b><br>Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettosoitteesta. (Tulostettava tiedosto saatavissa suositullamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan. *ETA: Euroopan talousalue                                                                                           |
| <b>Polski</b>         | <b>Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii</b><br>Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy          |
| <b>Česky</b>          | <b>Důležité oznámení: Zaruční informace pro zákazníky v EHS* a ve Švýcarsku</b><br>Podrobné zaruční informace o tomto produktu Yamaha a záruční servisů v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zastoupení firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor                                                                      |
| <b>Magyar</b>         | <b>Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára</b><br>A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra, kiterjedő garanciális szolgáltatás tekintetében keressék fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájl is látható), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviselői iróddal. * EGT: Európai Gazdasági Térség |
| <b>Eesti keel</b>     | <b>Oluline märkus: Garantiteave Euroopa Majanduspiirkonna (EMP) ja Šveitsi Klientidele</b><br>Täpsemat teavet saameks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saitil on saadaval printitav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond                                                        |
| <b>Latviešu</b>       | <b>Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē</b><br>Lai saņemtu detaļizētā garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzam apmeklētiet zīmaka norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazināties ar jūsu valstī apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona                                                      |
| <b>Lietuvių kalba</b> | <b>Dėmesio: informacija dėl garantijos priekšams EEE* ir Šveicarijoje</b><br>Jei reikia išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdinamas failas) arba kreipkitės į „Yamaha“ atstovybę savo šalyje. *EEE — Europos ekonominė erdvė                                                                                      |
| <b>Slovenčina</b>     | <b>Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku</b><br>Podrobné informácie o záruke týkajúcej sa tohto produktu od spoločnosti Yamaha a garancijného servisu v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor                                |
| <b>Slovensščina</b>   | <b>Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici</b><br>Za podrobnejše informacije o tem Yamahini izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (našiljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavništva v svoji državi. * EGP: Evropski gospodarski prostor                                                                    |
| <b>Български език</b> | <b>Важно съобщение: Информация за гаранцията за клиентите в ЕИП* и Швейцария</b><br>За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство                                       |
| <b>Limba română</b>   | <b>Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția</b><br>Pentru informații detaliate privind acest produs Yamaha și serviciul de garanție Pan-SEE* și Elveția, vizitați site-ul la adresa de mai jos (fișierul imprimabil este disponibil pe site-ul nostru) sau contactați biroul reprezentanței Yamaha din țara dumneavoastră. * SEE: Spațiul Economic European                                                      |

<http://europe.yamaha.com/warranty/>

For details of products, please contact your nearest Yamaha representative or the authorized distributor listed below.

## NORTH AMERICA

### CANADA

**Yamaha Canada Music Ltd.**  
135 Milner Avenue, Toronto, Ontario MIS 3R1,  
Canada  
Tel: +1-416-298-1311

### U.S.A.

**Yamaha Corporation of America**  
6600 Orangethorpe Avenue, Buena Park, CA 90620,  
U.S.A.  
Tel: +1-714-522-9011

## CENTRAL & SOUTH AMERICA

### MEXICO

**Yamaha de México, S.A. de C.V.**  
Av. Insurgentes Sur 1647 Piso 9, Col. San José  
Insurgentes, Delegación Benito Juárez, México,  
D.F., C.P. 03900, México  
Tel: +52-55-5804-0600

### BRAZIL

**Yamaha Musical do Brasil Ltda.**  
Rua Fidêncio Ramos, 302 – Cj 52 e 54 – Torre B –  
Vila Olímpia – CEP 04551-010 – São Paulo/SP,  
Brazil  
Tel: +55-11-3704-1377

### ARGENTINA

**Yamaha Music Latin America, S.A.,  
Sucursal Argentina**  
Olga Cossetini 1553, Piso 4 Norte,  
Madero Este-C1107CEK,  
Buenos Aires, Argentina  
Tel: +54-11-4119-7000

### PANAMA AND OTHER LATIN AMERICAN COUNTRIES/ CARIBBEAN COUNTRIES

**Yamaha Music Latin America, S.A.**  
Edificio Torre Davivienda, Piso: 20  
Avenida Balboa, Marbella, Corregimiento de Bella  
Vista, Ciudad de Panamá, Rep. de Panamá  
Tel: +507-269-5311

## EUROPE

### THE UNITED KINGDOM/IRELAND

**Yamaha Music Europe GmbH (UK)**  
Sherbourne Drive, Tilbrook, Milton Keynes,  
MK7 8BL, U.K.  
Tel: +44-1908-366700

### GERMANY

**Yamaha Music Europe GmbH**  
Siemensstrasse 22-34, 25462 Rellingen, Germany  
Tel: +49-4101-303-0

### SWITZERLAND/LIECHTENSTEIN

**Yamaha Music Europe GmbH, Branch  
Switzerland in Thalwil**  
Seestrasse 18a, 8800 Thalwil, Switzerland  
Tel: +41-44-3878080

### AUSTRIA/CROATIA/CZECH REPUBLIC/ HUNGARY/ROMANIA/SLOVAKIA/ SLOVENIA

**Yamaha Music Europe GmbH, Branch Austria**  
Schleiergasse 20, 1100 Wien, Austria  
Tel: +43-1-60203900

### POLAND

**Yamaha Music Europe GmbH**  
Sp.z o.o. Oddział w Polsce  
ul. Wielicka 52, 02-657 Warszawa, Poland  
Tel: +48-22-880-08-88

### BULGARIA

**Dinacord Bulgaria LTD.**  
Bul. Iskarsko Schose 7 Targowski Zentar Ewropa  
1528 Sofia, Bulgaria  
Tel: +359-2-978-20-25

### MALTA

**Olimpus Music Ltd.**  
Valletta Road, Mosta MST9010, Malta  
Tel: +356-2133-2093

### NETHERLANDS/BELGIUM/ LUXEMBOURG

**Yamaha Music Europe, Branch Benelux**  
Clarissenhof 5b, 4133 AB Vianen, The Netherlands  
Tel: +31-347-358040

### FRANCE

**Yamaha Music Europe**  
7 rue Ambroise Croizat, Zone d'activités de Pariest,  
77183 Croissy-Beaubourg, France  
Tel: +33-1-6461-4000

### ITALY

**Yamaha Music Europe GmbH, Branch Italy**  
Via Tinelli N.67/69 20855 Gerno di Lesmo (MB),  
Italy  
Tel: +39-039-9065-1

### SPAIN/PORTUGAL

**Yamaha Music Europe GmbH Ibérica, Sucursal  
en España**  
Ctra. de la Coruña km. 17,200, 28231  
Las Rozas de Madrid, Spain  
Tel: +34-91-639-88-88

### GREECE

**Philippos Nakas S.A. The Music House**  
19th km. Leof. Lavriou 190 02 Peania – Attiki,  
Greece  
Tel: +30-210-6686260

### SWEDEN

**Yamaha Music Europe GmbH Germany filial  
Scandinavia**  
JA Wettergrensgata 1, 400 43 Göteborg, Sweden  
Tel: +46-31-89-34-00

### DENMARK

**Yamaha Music Denmark,  
Filial of Yamaha Music Europe GmbH, Tyskland**  
Generatorvej 8C, ST. TH., 2860 Søborg, Denmark  
Tel: +45-44-92-49-00

### FINLAND

**F-Musiikki Oy**  
Antaksentie 4  
FI-01510 Vantaa, Finland  
Tel: +358 (0)96185111

### NORWAY

**Yamaha Music Europe GmbH Germany -  
Norwegian Branch**  
Grini Næringspark 1, 1332 Østerås, Norway  
Tel: +47-6716-7800

### ICELAND

**Hjodfaerahusid Ehf.**  
Sidumula 20  
IS-108 Reykjavik, Iceland  
Tel: +354-525-5050

### CYPRUS

**Nakas Music Cyprus Ltd.**  
Nikis Ave 2k  
1086 Nicosia  
Tel: + 357-22-511080  
**Major Music Center**  
21 Ali Riza Ave. Ortakoy  
P.O.Box 475 Lefkoşa, Cyprus  
Tel: (392) 227 9213

### RUSSIA

**Yamaha Music (Russia) LLC.**  
Room 37, entrance 7, bld. 7, Kievskaya street,  
Moscow, 121059, Russia  
Tel: +7-495-626-5005

### OTHER EUROPEAN COUNTRIES

**Yamaha Music Europe GmbH**  
Siemensstrasse 22-34, 25462 Rellingen, Germany  
Tel: +49-4101-303-0

## AFRICA

**Yamaha Music Gulf FZE**  
JAFZA-16, Office 512, P.O.Box 17328,  
Jebel Ali FZE, Dubai, UAE  
Tel: +971-4-801-1500

## MIDDLE EAST

### TURKEY

**Yamaha Music Europe GmbH**  
**Merkezi Almanya Türkiye Istanbul Şubesi**  
Mor Sumbul Sokak Varyap Meridian Business  
1.Blok No:1 113-114-115  
Bati Atasehir Istanbul, Turkey  
Tel: +90-216-275-7960

### ISRAEL

**RBX International Co., Ltd.**  
P.O.Box 10245, Petach-Tikva, 49002  
Tel: (972) 3-925-6900

### OTHER COUNTRIES

**Yamaha Music Gulf FZE**  
JAFZA-16, Office 512, P.O.Box 17328,  
Jebel Ali FZE, Dubai, UAE  
Tel: +971-4-801-1500

## ASIA

### THE PEOPLE'S REPUBLIC OF CHINA

**Yamaha Music & Electronics (China) Co., Ltd.**  
2F, Yunhedasha, 1818 Xinzha-lu, Jingan-qu,  
Shanghai, China  
Tel: +86-400-051-7700

### HONG KONG

**Tom Lee Music Co., Ltd.**  
11/F., Silvercord Tower 1, 30 Canton Road,  
Tsimshatsui, Kowloon, Hong Kong  
Tel: +852-2737-7688

### INDIA

**Yamaha Music India Private Limited**  
P-401, JMD Megapolis, Sector-48, Sohna Road,  
Gurgaon-122018, Haryana, India  
Tel: +91-124-485-3300

### INDONESIA

**PT. Yamaha Musik Indonesia (Distributor)**  
Yamaha Music Center Bldg. Jalan Jend. Gatot  
Subroto Kav. 4, Jakarta 12930, Indonesia  
Tel: +62-21-520-2577

### KOREA

**Yamaha Music Korea Ltd.**  
11F, Prudential Tower, 298, Gangnam-daero,  
Gangnam-gu, Seoul, 06253, Korea  
Tel: +82-2-3467-3300

### MALAYSIA

**Yamaha Music (Malaysia) Sdn. Bhd.**  
No.8, Jalan Perbandaran, Kelana Jaya, 47301  
Petaling Jaya, Selangor, Malaysia  
Tel: +60-3-78039000

### SINGAPORE

**Yamaha Music (Asia) Private Limited**  
Block 202 Hougang Street 21, #02-00,  
Singapore 530202, Singapore  
Tel: +65-6740-9200

### TAIWAN

**Yamaha Music & Electronics Taiwan Co., Ltd.**  
2F, No.1, Yuandong Rd., Banqiao Dist.,  
New Taipei City 22063, Taiwan (R.O.C.)  
Tel: +886-2-7741-8888

### THAILAND

**Siam Music Yamaha Co., Ltd.**  
3, 4, 15, 16th Fl., Siam Motors Building,  
891/1 Rama 1 Road, Wangmai,  
Pathumwan, Bangkok 10330, Thailand  
Tel: +66-2215-2622

### VIETNAM

**Yamaha Music Vietnam Company Limited**  
15th Floor, Nam A Bank Tower, 201-203 Cach  
Mang Thang Tam St., Ward 4, Dist.3,  
Ho Chi Minh City, Vietnam  
Tel: +84-28-3818-1122

### OTHER ASIAN COUNTRIES

[https://asia-latinamerica-mea.yamaha.com/  
index.html](https://asia-latinamerica-mea.yamaha.com/index.html)

## OCEANIA

### AUSTRALIA

**Yamaha Music Australia Pty. Ltd.**  
Level 1, 80 Market Street, South Melbourne,  
VIC 3205 Australia  
Tel: +61-3-9693-5111

### NEW ZEALAND

**Music Works LTD**  
P.O. BOX 6246 Wellesley, Auckland 4680,  
New Zealand  
Tel: +64-9-634-0099

### COUNTRIES AND TRUST TERRITORIES IN PACIFIC OCEAN

[https://asia-latinamerica-mea.yamaha.com/  
index.html](https://asia-latinamerica-mea.yamaha.com/index.html)

Yamaha Global Site  
<https://www.yamaha.com/>

Yamaha Downloads  
<https://download.yamaha.com/>

Manual Development Group  
© 2017 Yamaha Corporation

Published 03/2019 POMA\*.\*-\*\*D0

ZW55120