



DD-45/YDD-40

Digital Percussion



Owner's Manual

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.

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.

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 bat-

tery 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 _____

92-BP (bottom)

PLEASE KEEP THIS MANUAL

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.

ADVARSSEL: Netspændingen til dette apparat er IKKE afbrudt, sålænge netledningen sidder i en stikkontakt, som er t endt — også selvom der er slukket på apparatets afbryder.

VAROITUS: Laitteen toisiopiiriin kytketty käyttökytkin ei irroita koko laitetta verkosta.

(standby)

Entsorgung leerer Batterien (nur innerhalb Deutschlands)

Leisten Sie einen Beitrag zum Umweltschutz. Verbrauchte Batterien oder Akkumulatoren dürfen nicht in den Hausmüll. Sie können bei einer Sammelstelle für Altbatterien bzw. Sondermüll abgegeben werden. Informieren Sie sich bei Ihrer Kommune.

(battery)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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



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 power adaptor

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over 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 31) 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 containers on it 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.



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 power 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.
- 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.
- Use only the stand specified for the instrument. When attaching the stand or rack, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Battery

- Always replace all batteries at the same time. Do not use new batteries together with old ones.
- Do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, 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 intended to be charged.
- Keep batteries away from children.
- 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.
- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.
- When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument to prevent possible leakage of the battery fluid.

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.

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.
- 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 turned 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 damage to the product, data or other property, follow the notices below.

■ Handling and Maintenance

- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration or damage to the internal components.
- Do not place vinyl, plastic or rubber objects on the instrument, since this might discolor the panel or keyboard.
- When cleaning the instrument, use a soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

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 computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

■ About this manual

- The illustrations and LED displays as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

The serial number of this product may be found on 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)

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 and the Directives 2002/96/EC and 2006/66/EC.



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 Directive for the chemical involved.

Cd

(weee_battery_eu)

Congratulations!

Thank you for purchasing the Yamaha DD-45/YDD-40. The DD-45/YDD-40 has been developed to respond and play like a drum set—but with greater ease, flexibility and sophisticated functions. Before you use the instrument, we recommend that you carefully read through this manual.

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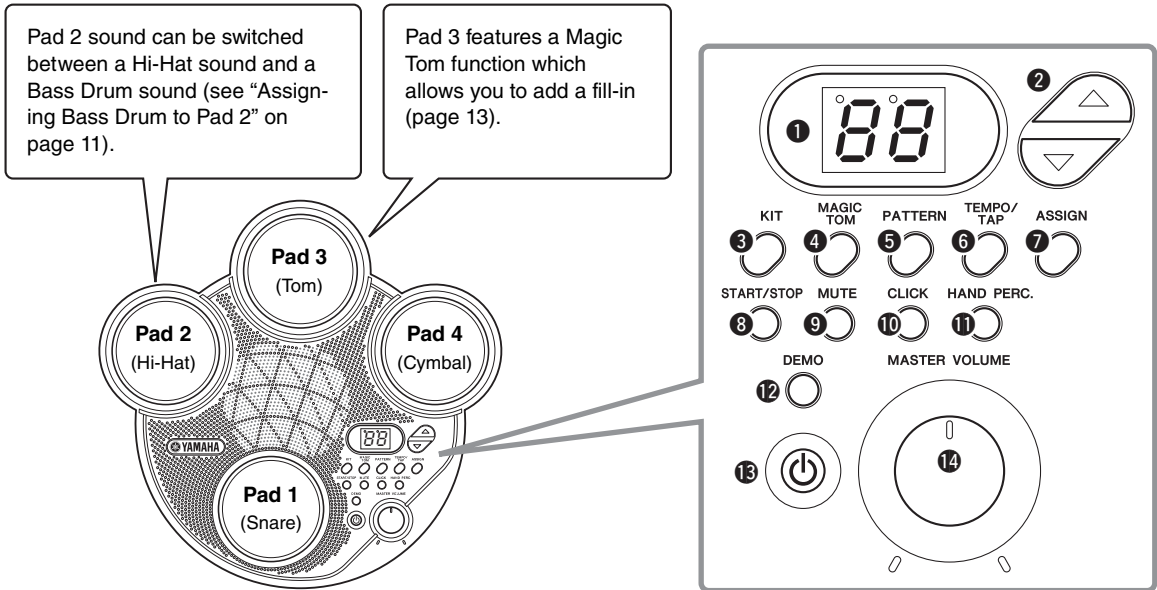
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Accessories

- Owner's Manual
- AC Power Adaptor
 - * May not be included depending on your particular area. Please check with your Yamaha dealer.
- Drum Stick (x2)
- My Yamaha Product User Registration
 - * The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

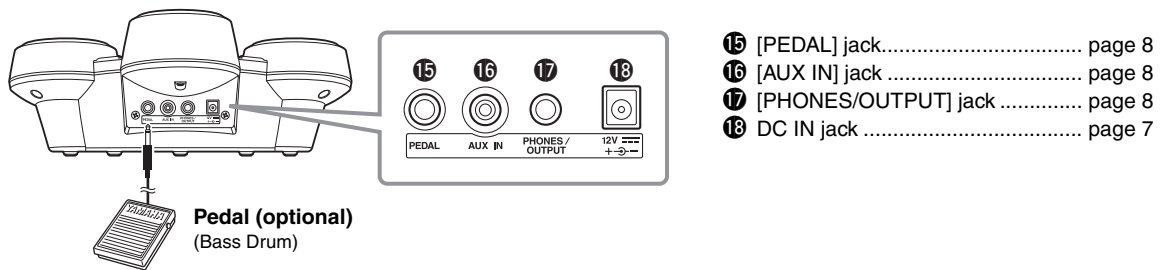
Panel Controls

Front Panel

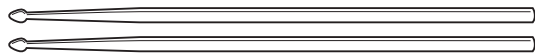


- | | | | |
|---|--------------------|-------|---------|
| 1 | Display | ..... | page 9 |
| 2 | [▲] [▼] buttons | ..... | page 11 |
| 3 | [KIT] button | ..... | page 11 |
| 4 | [MAGIC TOM] button | ..... | page 13 |
| 5 | [PATTERN] button | ..... | page 15 |
| 6 | [TEMPO/TAP] button | ..... | page 16 |
| 7 | [ASSIGN] button | ..... | page 12 |
- | | | | |
|----|-------------------------|-------|---------|
| 8 | [START/STOP] button | ..... | page 15 |
| 9 | [MUTE] button | ..... | page 17 |
| 10 | [CLICK] button | ..... | page 14 |
| 11 | [HAND PERC.] button | ..... | page 10 |
| 12 | [DEMO] button | ..... | page 9 |
| 13 | [⏻] (Standby/On) switch | ..... | page 9 |
| 14 | [MASTER VOLUME] control | ..... | page 9 |

Rear Panel



Drum Sticks



⚠ CAUTION

- Since a speaker is built into this instrument, you should be careful to never leave any video tapes, cassette tapes, floppy disks 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 the instrument near a television or computer monitor, since interference may result.
- 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.

Setting Up

Make all necessary settings below **BEFORE** turning the power on (page 9).

⚠ CAUTION

- 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 (0). Otherwise, electrical shock or damage to the components may occur.

Power Requirements

Although the instrument will run either from an AC power 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.

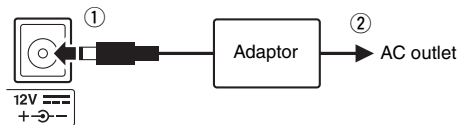
● Using an AC Power Adaptor

- ① Connect the AC adaptor to the power supply jack.

⚠ WARNING

- Use the specified adaptor (page 31) only. The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.

- ② Plug the AC adaptor into an AC outlet.



⚠ CAUTION

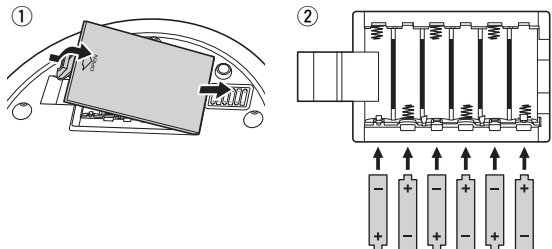
- Unplug the AC power adaptor when not using the instrument, or during electrical storms.
- Even when the instrument is turned off, electricity is still flowing to the instrument at the minimum level. When you are not using the instrument for a long time, make sure you unplug the AC power adaptor from the wall AC outlet.

NOTE

- Connecting the AC power adaptor automatically supplies power from the adaptor and overrides battery power, even when batteries are installed.

● Using Batteries

- ① Open the battery compartment cover located on the instrument's bottom panel.
- ② Insert six "AA" size, LR6 or equivalent batteries, being careful to follow the polarity markings on the side of the compartment.
- ③ Replace the compartment cover, making sure that it locks firmly in place.

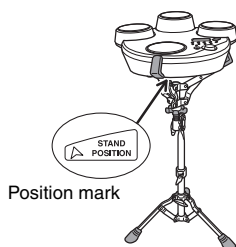


When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries, following the precautions listed below.

⚠ CAUTION

- Use alkaline batteries for this instrument. Other types of batteries (including rechargeable batteries) may have sudden drops of power when battery power becomes low.
- Make sure to install the batteries with the proper orientation, maintaining the correct polarity (as shown). Incorrect battery installation may result in heat, fire and/or leaking of corrosive chemicals.
- When the batteries run down, replace them with a complete set of six new batteries. NEVER mix old and new batteries. Do not use different kinds of batteries (e.g. alkaline and manganese) at the same time.
- If the instrument is not to be in use for a long time, remove the batteries from it, in order to prevent possible fluid leakage from the battery.

Using a Drum Stand



An optional stand Yamaha SS662 is available for installing this instrument. Fix the instrument on the stand's arms, aligning the stand position marks on the bottom of the instrument.

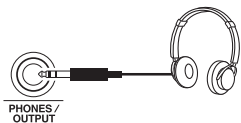
NOTE

- Do not tighten the arms more than necessary. Over tightening may result in bending the instrument.

CAUTION

- Do not place the instrument in an unstable position where it may overturn; doing so can result in damage to the instrument or personal injury.
- Before moving the instrument, remove the stand from the instrument. Otherwise it may fall off.

Connecting Headphones ([PHONES/OUTPUT] jack)



Connect a set of headphones to the [PHONES/OUTPUT] jack. The speaker of this instrument is automatically shut off when a plug is inserted into this jack. The [PHONES/OUTPUT] jack also functions as an external output. You can connect the [PHONES/OUTPUT] jack to a keyboard amplifier, stereo system, mixer, or other line-level audio device to send the instrument's output signal to that device.

WARNING

- Avoid listening with the headphones at high volume for long periods of time; doing so may not only result in ear fatigue, it may be damaging to your hearing.

CAUTION

- When the instrument's sound is output to an external device, first turn on the power to the instrument, then to the external device. Reverse this order when you turn the power off.

Connecting an Audio Source ([AUX IN] jack)



This jack is for connection to an external audio source such as an MP3 player. You can play the instrument with backing music and accompaniment, like playing with a full band. Adjust the input level from the volume control of the external audio source for optimum balance.

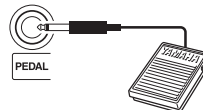
CAUTION

- When the sound of an external device is output to the instrument, first turn on the power to the external device, then to the instrument. Reverse this order when you turn the power off.

NOTE

- Any audio signal input to the [AUX IN] jack is processed in mono.

Connecting a Pedal ([PEDAL] jack)



This jack is for connection of an optional pedal FC4 or FC5. The pedal can be used to play the Drum Kit's bass drum Voices—or can also be assigned to play other Voices as well.

CAUTION

- Make sure that the pedal plug is properly connected to the [PEDAL] jack before turning on the power.
- Do not press the pedal while turning the power on. Doing this changes the recognized polarity of the pedal, resulting in reversed pedal operation.
- Protect the floor by placing a mat or area rug underneath the pedal. The pedal may damage the floor after an extended period of time.
- Avoid getting caught in or tripping over the pedal cords; this may cause the instrument to fall and result in damage or injury.

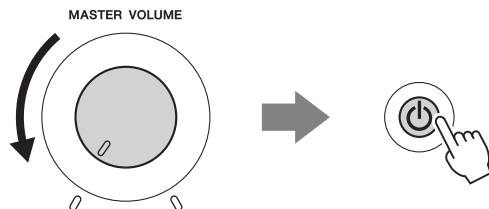
NOTE

- Voice: In this manual, a voice means an instrument sound or "tone."

Listening to the Demo Songs

This instrument features three demonstration Songs (*d 1 - d 3*), specially created to showcase the dynamic possibilities of the instrument.

1. Turn on the power.



Turn down the volume by turning the [MASTER VOLUME] control to the left and press the [⏻] (Standby/On) switch to turn on the power. A Drum Kit number is displayed after the “*dd*” indication, as the power is turned on. Press the [⏻] (Standby/On) switch again to turn the power off.

⚠ CAUTION

- Even when the instrument is turned 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 AC power adaptor from the wall AC outlet, and/or remove the batteries from the instrument.

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 used—i.e., no buttons or pads are pressed—for approximately 10 minutes.

NOTE

- Any settings, such as the Custom Kit (page 12), will be restored to the factory default settings when the power is turned off.

The Auto Power Off function can be disabled if you turn the power on by holding the [⏻] (Standby/On) switch for more than 3 seconds; the indication “*dd*” blinks for a while.

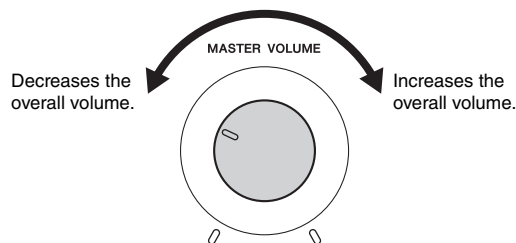
2. Press the [DEMO] button to start a Demo Song.



The indication “*d 1*” appears on the display and the provided Demo Songs start playing in succession until you stop them.

While the Demo Song is playing, you can change to the next or previous Demo Song by using the [▲] and [▼] buttons. Pressing the [▲] and [▼] buttons simultaneously calls up the “*d 1*” Song.

Adjusting the volume



NOTE

- While a Demo Song is playing, available operations are limited to adjusting the volume, changing the Demo Songs, and stopping the demo.

3. Press the [DEMO] button again to stop the Demo Song.



You can also stop the Demo Song by pressing the [START/STOP] button.

Playing the Pads

Strike the pad with the supplied drum sticks or your hands to play the Drum Voices.

When playing the pads with your hands, make sure to turn the Hand Percussion feature on by pressing the [HAND PERC.] button.

The volume of the pads' sounds responds to your playing; when you play soft the volume is soft, and when you play strongly the volume is loud. The actual loudness of the sound may vary according to which part of the pad is struck.

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 to turn Hand Percussion on.

HAND PERC.



The indication "ON" appears on the display, and the pad sensitivity is automatically adjusted for optimum playing by hand.

To turn Hand Percussion off, press the [HAND PERC.] button again; "OFF" appears on the display.

NOTE

- Be sure to strike the pads only with your hands when Hand Percussion is on, since the sensitivity is automatically set to appropriate level for hand playing.

Locking the Panel Buttons

If you perform on the instrument solely with your hands, we recommend that you use this operation to lock the panel buttons. This protects the instrument from being inadvertently changed during your performance.

1. Turn on Hand Percussion (see the left column).
2. Press and hold the [HAND PERC.] button until "LC" appears on the display.

HAND PERC.



Hold



All buttons other than the [HAND PERC.] button are disabled.

To unlock the panel buttons, press and hold the [HAND PERC.] button until the "LC" is no longer shown on the display.

NOTE

- The panel buttons cannot be locked when a Pattern or Demo Song is playing.

Selecting and Playing a Drum Kit

The instrument allows you to choose from 50 different Drum Kits (see the “Drum Kit List” on page 20) quickly and easily. 50 of the kits have preset Voice combinations that will be set to the pads and the pedal when the kit is selected. Select some different kits and try playing them.

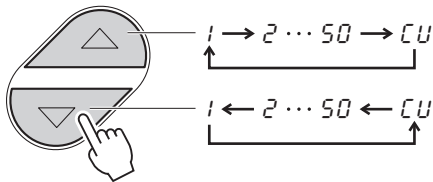
The instrument also has a Custom Kit allowing you to assign the desired Voices to the four pads and the pedal (see “Assigning Voices to Individual Pads and Saving to a Custom Kit” on page 12).

1. Press the [KIT] button.



The currently selected Drum Kit number appears on the display.

2. Use the [Δ] and [∇] buttons to select a Drum Kit number.



Drum Kit numbers increase as the [Δ] button is pressed, and decrease as the [∇] is pressed. Pressing the [Δ] and [∇] buttons simultaneously calls up kit number “1.”

NOTE

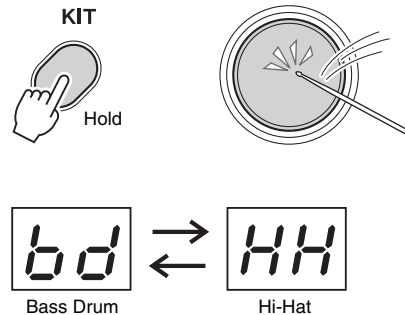
- Drum Kit number “1” is selected when the power is turned on.
- The “CU” Drum Kit is the Custom Kit. The Custom Kit is the one for which you’ve assigned desired Voices to each pad and pedal, then saved the entire assignments as a kit (see “Assigning Voices to Individual Pads and Saving to a Custom Kit” on page 12).
- If an optional pedal is connected to the instrument, the Bass Drum Voice is assigned to the pedal. The Bass Drum Voice can also be assigned to Pad 2 (see the right column).

Assigning Bass Drum to Pad 2

The Drum Kit’s Bass Drum Voice is normally assigned to the pedal, but it can also be assigned to Pad 2 allowing you to play it without a pedal.

While holding down the [KIT] button, striking Pad 2 toggles between “bd” and “HH.” The Bass Drum Voice (Pedal Voice) is assigned to Pad 2 when “bd” is displayed, and the Hi-Hat Voice (original Pad 2 Voice) is assigned when “HH” is displayed.

Releasing the [KIT] button determines the setting.



Assigning Voices to Individual Pads and Saving to a Custom Kit

The instrument contains a total of 99 high quality drum Voices (see the “Voice List” on page 19)—and you can assign these freely to each of the four pads and a pedal. Try assigning some different Voices and save your own “CU” Custom Drum Kits.

NOTE

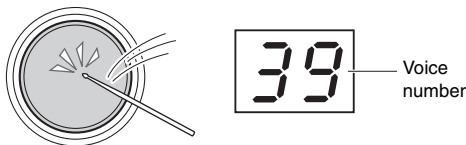
- Any data assigned to the Custom Kit will be replaced by factory default values (“I”) when the power is turned off.
- Custom Kit “CU” and Drum Kit “I” contents are the same until modified (see the “Drum Kit List” on page 20).
- Any changes made to one of the preset Drum Kits will automatically be saved in the “CU” Custom Drum Kit.

1. Press and hold the [ASSIGN] button.



Keep holding down the [ASSIGN] button through steps 2 and 3.

2. Strike any pad one time (or press a pedal) to enable it to be assigned.



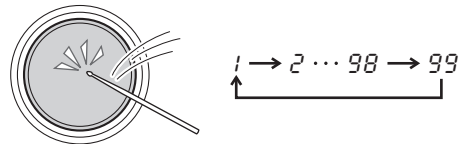
The currently assigned Voice number for that pad/pedal appears on the display.

3. 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 using the [△] and [▽] buttons.

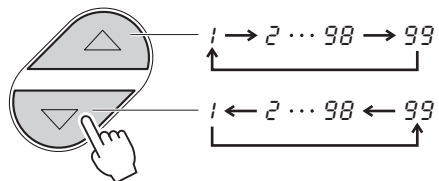
• Striking the pad or pressing the pedal to select a Voice.

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



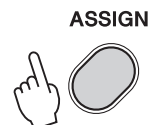
• Using the [△] and [▽] buttons to select a Voice.

Voice numbers increase as the [△] button is pressed, and decrease as the [▽] button is pressed. Pressing the [△] and [▽] buttons simultaneously restores the original Voice.



Repeat the previous steps 2 and 3 for any or all of the pads and the pedal.

4. Release the [ASSIGN] button to execute the assignment.



The instrument will automatically be saved to the Custom Kit “CU.” You can now play the Voice you have assigned to the pad/pedal.

Adding a Fill-in (MAGIC TOM)

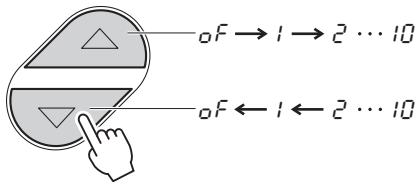
The instrument features a Magic Tom function which lets you add variations in the rhythm to make your performance sound more professional. Adding a fill-in requires several pads on an acoustic drum kit; however, the Magic Tom function allows you to add a fill-in easily just by hitting a single pad.

1. Press the [MAGIC TOM] button.



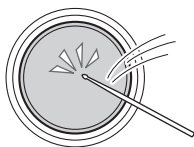
The currently selected Magic Tom number appears on the display.

2. Use the [Δ] and [∇] buttons to select a Magic Tom number.



Ten patterns (1-10) are provided. The indication "oF" can be selected to turn the Magic Tom function off.

3. Play the Pads.



You can add a fill-in by striking Pad 3 repeatedly.

NOTE

- Magic Tom does not function when the Custom Kit "CU" is selected.

Fill-in Rhythm Examples

The rhythm examples for each of the Magic Toms are provided here. These help you practice adding fill-ins using the Magic Tom function. Try beating out these rhythms!

Drum Kit number 16 is recommended for practice. For Magic Tom number 8, playing with Drum Kit number 35 gives you a Latin flavor. The Magic Tom sounds differently depending on the combination of the Drum Kit number and Magic Tom number. Try various combinations and discover your favorite.

Magic Tom #	Rhythm Example
1	Magic Tom
2	Magic Tom Snare
3	Magic Tom Snare
4	Magic Tom Snare
5	Magic Tom Snare
6	Magic Tom Snare
7	Magic Tom
8	Magic Tom
9	Magic Tom
10	Magic Tom Snare

Setting the Click On/Off

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

1. Press the [CLICK] button to turn the click on.



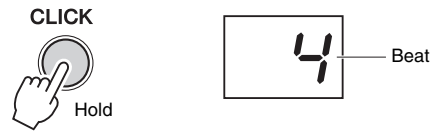
The click sounds in rhythm at the current tempo (see "Adjusting the Tempo" on page 16).

To turn the click off, press the [CLICK] button once again.

Setting the Time Signature of the Click

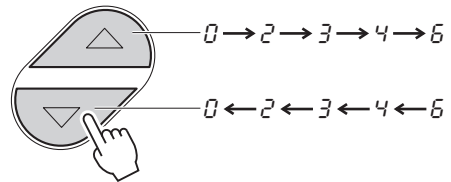
The time signature (beat) of the click can be set to 0, 2, 3, 4 or 6. The first beat is accented with a bell sound and the rest with clicks. "0" actually represents a beat of 1 (time signature 1/1), and the click sounds all beats without a bell accent.

1. Press and hold the [CLICK] button.



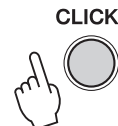
The current setting value appears on the display.

2. Use the [Δ] and [∇] buttons to set the value of the time signature.



Press the [Δ] button to increase the value, and press the [∇] button to decrease the value. Pressing the [Δ] and [∇] buttons simultaneously restores the default value.

3. Release the [CLICK] button to execute the change.



NOTE

- While a Pattern is played back, the time signature of the click synchronizes to the Pattern.
- The time signature cannot be set during Pattern playback.

Play Along with a Pattern

This instrument features 50 different rhythm patterns that can be used to provide accompaniment (see the “Pattern List” on page 19). Play the pads (and the pedal) along with the rhythm accompaniment.

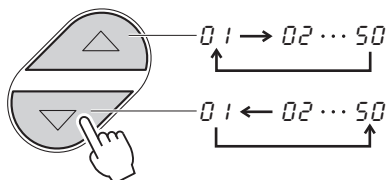
Selecting and Playing a Pattern

1. Press the [PATTERN] button.



The current Pattern number appears on the display.

2. Use the [△] and [▽] buttons to select a Pattern number.



Pattern numbers increase as the [△] button is pressed, and decrease as the [▽] button is pressed. Pressing the [△] and [▽] buttons simultaneously calls up Pattern number “01.”

NOTE

- Pattern number “01” is automatically selected whenever the power is turned on.
- When Click (page 14) is on, the Click stops as the Pattern is changed.

3. Press the [START/STOP] button to start Pattern playback.



A two-measure count-in plays, and the Pattern starts playing. Try playing the pads (and pedal) along with the Pattern.

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

NOTE

- You can also use the Tap Start function to start Patterns (page 16).

About the Beat Indicator

During Pattern playback, the beat lamps in the display will flash in a specific pattern to help you keep the beat.

1st beat	2nd beat and later
01	01

NOTE

- The beat lamps do not appear when Tempo setting value is shown in the display.

Adjusting the Tempo

The Pattern tempo and Click tempo can be set anywhere from 11 to 280 beats per minute. The higher the tempo value, the faster the tempo.

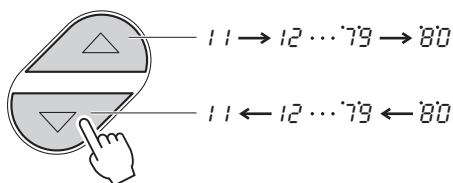
1. Press the [TEMPO/TAP] button.



The current tempo value appears in the display.

Tempo	Display	Comment
40	40	—
120	20	Values of 100 and over are indicated by a single dot.
240	40	Values of 200 and over are indicated by two dots.

2. Use the [Δ] and [∇] buttons to set the tempo.



Press the [Δ] button to increase the Tempo value, and press the [∇] button to decrease the value. Pressing the [Δ] and [∇] buttons simultaneously restores the preset tempo of the currently selected Pattern.

NOTE

- The tempo value cannot be changed while the Demo Song is playing.

Tap Start

The Tap Start function allows you to set the Pattern's overall tempo as well as start the accompaniment—simply by tapping out the rhythm. The accompaniment plays back at the tempo with which the pads are struck or the pedal is pressed.

1. Tap the [TEMPO/TAP] button four times at the desired tempo.



The current tempo value appears on the display, and the Pattern playback starts automatically at the tempo you tapped.

The tempo can also be changed during Pattern playback by tapping the button twice at the desired tempo.

NOTE

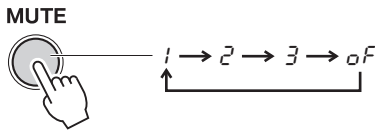
- For a 6/8 measure, the [TEMPO/TAP] button needs to be tapped six times in order for the tempo to be detected.
- The detected tempo range is 32–280.

To stop playback of the Pattern, press the [START/STOP] button.

Muting Parts

Each Pattern consists of a drum part and a backing part. Either the drum part or the backing part can be individually muted, letting you play along with the Pattern and practice the missing part.

1. Press the [MUTE] button to select the part to be muted.



Each time the [MUTE] button is pressed the setting changes between "1," "2," "3" and "oF."

1	Mutes all drum part sounds with the exception of the bass drum. (Exceptions to this may be other sounds in certain Patterns.)
2	Mutes all drum part sounds.
3	Mutes all backing parts and plays only the drum part sounds.
oF	Turns the mute function off.

Troubleshooting

Problem	Possible Cause and Solution
When the instrument is turned on or off, a popping sound is temporarily produced.	This is normal and indicates that the instrument is receiving electrical power.
The LED display is dark.	The batteries are low or dead. Replace all six batteries with completely new ones, or use an AC adaptor.
The volume is too low.	
The Custom Kit Voice assignments have disappeared or been reset to their default settings.	
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.
No sound comes from the speakers.	The volume is set too low. Adjust the volume (page 9).
	Check that nothing is connected to the [PHONES/OUTPUT] jack on the rear panel. When a plug is inserted into this jack, no sound is output.
None of the buttons work.	The panel buttons have been locked. Turn off Panel Button Lock (page 10).
The power was turned off suddenly.	The Auto Power Off function (page 9) is active. When the instrument is not in use for about ten minutes, power is turned off automatically.

Voice List

Voice No.	Voice Name
1	Bass Drum Ambient
2	Kick Gate
3	Bass Drum Hard
4	Bass Drum
5	Kick Jazz
6	Analog Bass Drum 1
7	Analog Bass Drum 2
8	Open Rim Hard
9	Open Rim Shot
10	Analog Snare Open Rim
11	Snare Heavy
12	Snare Rough
13	Snare Hit
14	Snare Hard
15	Snare Soft
16	Snare Drum
17	Snare Jazz High
18	Snare Jazz Low
19	Snare Jazz
20	Analog Snare Drum
21	Floor Tom Low
22	Floor Tom High
23	Low Tom
24	Mid Tom
25	High Tom
26	Tom 1
27	Tom 2
28	Tom 3
29	Tom 4
30	Analog Tom 1
31	Analog Tom 2
32	Analog Tom 3
33	Hi-Hat Closed

Voice No.	Voice Name
34	Hi-Hat Open
35	Analog HH Closed
36	Analog HH Open
37	Crash Cymbal 1
38	Crash Cymbal 2
39	Ride Cymbal 1
40	Ride Cymbal 2
41	Splash Cymbal
42	Hand Cymbal
43	Analog Cymbal
44	Hand Clap
45	Side Stick
46	Conga H Tip
47	Conga H Open
48	Conga H Slap
49	Conga L Open
50	Conga L Slide
51	Bongo H Open
52	Bongo L Open
53	Timbale H
54	Timbale L
55	Agogo H
56	Agogo L
57	Guiro Short
58	Guiro Long
59	Cuica Mute
60	Cuica Open
61	Tambourine
62	Cowbell
63	Castanet
64	Surdo Open
65	Claves
66	Shaker

Voice No.	Voice Name
67	Wind Chime
68	Repique(*)
69	Darabuka Open
70	Darabuka Slap
71	Darabuka Mute
72	Cajon Tip
73	Cajon Low
74	Cajon Slap
75	Tambourim Open
76	Tambourim Slap
77	Djembe Open
78	Djembe Slap
79	Djembe Mute
80	Shekere Shake
81	Shaker Hit
82	Oodaiko
83	Oodaiko Rim
84	Atarigane
85	Shimedaiko
86	Kabuki Voice / Tsuzumi(*)
87	VoicePerc. Crash
88	VoicePerc. HH Close
89	VoicePerc. Bass Drum
90	VoicePerc. Snare Drum
91	VoicePerc. Tom
92	Timpani D
93	Timpani G
94	Timpani C
95	Timpani F
96	Rooster
97	Dog
98	Cow
99	Horse

(*) The sound of the Voice varies depending on the strength with which you hit the pad.

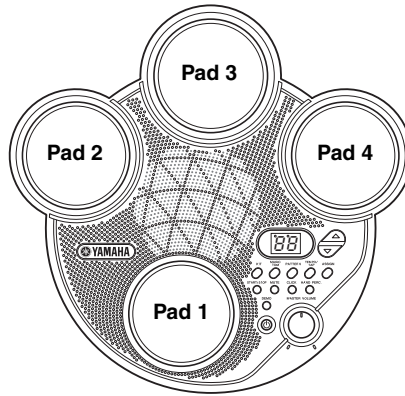
Pattern List

Pattern No.	Pattern Name
01	8 Beat 1
02	8 Beat 2
03	8 Beat 3
04	8 Beat 4
05	8 Beat 5
06	8 Beat 6
07	Rock 1
08	Rock 2
09	Rock'n Roll
10	Hard Rock 1
11	Hard Rock 2
12	Hard Rock 3
13	Blues
14	Soul
15	16 Beat 1
16	16 Beat 2
17	16 Beat 3

Pattern No.	Pattern Name
18	Slow Ballad
19	Slow 16 Beat
20	16 Beat Shuffle
21	6/8 Ballad
22	House
23	Drum'n Bass
24	Hip Hop
25	Technical Funk
26	70's Funk
27	4 Beat
28	Big Band
29	Swing Jazz
30	Country
31	Second Line Beat
32	Paso Doble
33	Samba
34	Bossa Nova

Pattern No.	Pattern Name
35	Calypso
36	Reggae
37	Chacha
38	Mambo
39	Latin Rock
40	UK Funk Soul
41	NY Dance
42	African Pop
43	New Age
44	Acoustic Pop
45	Africa
46	Bahia
47	Carnival
48	Arabic
49	Japan
50	Voice Percussion

Drum Kit List



Pedal

Kit No.	Kit Name	Voice No.	Pad 1	Voice No.	Pad 2	Voice No.	Pad 3	Voice No.	Pad 4	Voice No.	Pedal
1	Standard Kit 1	13	Snare Hit	33	Hi-Hat Closed	24	Mid Tom	38	Crash Cymbal 2	1	Bass Drum Ambient
2	Standard Kit 2	14	Snare Hard	33	Hi-Hat Closed	27	Tom 2	37	Crash Cymbal 1	4	Bass Drum
3	Standard Kit 3	8	Open Rim Hard	33	Hi-Hat Closed	41	Splash Cymbal	38	Crash Cymbal 2	4	Bass Drum
4	Standard Kit 4	15	Snare Soft	33	Hi-Hat Closed	29	Tom 4	27	Tom 2	3	Bass Drum Hard
5	Standard Kit 5	16	Snare Drum	34	Hi-Hat Open	27	Tom 2	37	Crash Cymbal 1	4	Bass Drum
6	Standard Kit 6	9	Open Rim Shot	34	Hi-Hat Open	62	Cowbell	37	Crash Cymbal 1	2	Kick Gate
7	Standard Kit 7	11	Snare Heavy	34	Hi-Hat Open	21	Floor Tom Low	37	Crash Cymbal 1	1	Bass Drum Ambient
8	Standard Kit 8	14	Snare Hard	33	Hi-Hat Closed	41	Splash Cymbal	38	Crash Cymbal 2	4	Bass Drum
9	Standard Kit 9	15	Snare Soft	33	Hi-Hat Closed	39	Ride Cymbal 1	38	Crash Cymbal 2	4	Bass Drum
10	Standard Kit 10	9	Open Rim Shot	33	Hi-Hat Closed	28	Tom 3	38	Crash Cymbal 2	4	Bass Drum
11	Standard Kit 11	15	Snare Soft	33	Hi-Hat Closed	28	Tom 3	41	Splash Cymbal	4	Bass Drum
12	Standard Kit 12	16	Snare Drum	63	Castanet	26	Tom 1	42	Hand Cymbal	4	Bass Drum
13	Standard Kit 13	9	Open Rim Shot	33	Hi-Hat Closed	54	Timbale L	53	Timbale H	4	Bass Drum
14	Standard Kit 14	12	Snare Rough	33	Hi-Hat Closed	24	Mid Tom	38	Crash Cymbal 2	4	Bass Drum
15	Standard Kit 15	13	Snare Hit	34	Hi-Hat Open	24	Mid Tom	37	Crash Cymbal 1	4	Bass Drum
16	Standard Kit 16	13	Snare Hit	33	Hi-Hat Closed	24	Mid Tom	38	Crash Cymbal 2	4	Bass Drum
17	Standard Kit 17	8	Open Rim Hard	24	Mid Tom	39	Ride Cymbal 1	37	Crash Cymbal 1	4	Bass Drum
18	Standard Kit 18	11	Snare Heavy	33	Hi-Hat Closed	34	Hi-Hat Open	37	Crash Cymbal 1	4	Bass Drum
19	Electric Kit 1	20	Analog Snare Drum	36	Analog HH Open	16	Snare Drum	43	Analog Cymbal	7	Analog Bass Drum 2
20	Electric Kit 2	10	Analog Snare Open Rim	35	Analog HH Closed	43	Analog Cymbal	20	Analog Snare Drum	6	Analog Bass Drum 1
21	Electric Kit 3	10	Analog Snare Open Rim	35	Analog HH Closed	30	Analog Tom 1	38	Crash Cymbal 2	6	Analog Bass Drum 1
22	Electric Kit 4	20	Analog Snare Drum	32	Analog Tom 3	31	Analog Tom 2	30	Analog Tom 1	7	Analog Bass Drum 2
23	Jazz Kit 1	19	Snare Jazz	33	Hi-Hat Closed	28	Tom 3	37	Crash Cymbal 1	4	Bass Drum
24	Jazz Kit 2	18	Snare Jazz Low	33	Hi-Hat Closed	27	Tom 2	37	Crash Cymbal 1	4	Bass Drum
25	Jazz Kit 3	19	Snare Jazz	33	Hi-Hat Closed	29	Tom 4	37	Crash Cymbal 1	5	Kick Jazz
26	Jazz Kit 4	18	Snare Jazz Low	29	Tom 4	39	Ride Cymbal 1	37	Crash Cymbal 1	3	Bass Drum Hard
27	Jazz Kit 5	19	Snare Jazz	33	Hi-Hat Closed	40	Ride Cymbal 2	38	Crash Cymbal 2	4	Bass Drum
28	Jazz Kit 6	17	Snare Jazz High	45	Side Stick	40	Ride Cymbal 2	39	Ride Cymbal 1	4	Bass Drum
29	Jazz Kit 7	19	Snare Jazz	45	Side Stick	29	Tom 4	33	Hi-Hat Closed	4	Bass Drum
30	Side Stick Kit 1	45	Side Stick	33	Hi-Hat Closed	29	Tom 4	37	Crash Cymbal 1	4	Bass Drum
31	Side Stick Kit 2	45	Side Stick	33	Hi-Hat Closed	27	Tom 2	41	Splash Cymbal	4	Bass Drum
32	Latin Kit 1	57	Guiro Short	58	Guiro Long	53	Timbale H	54	Timbale L	4	Bass Drum
33	Latin Kit 2	51	Bongo H Open	52	Bongo L Open	57	Guiro Short	58	Guiro Long	65	Claves
34	Latin Kit 3	49	Conga L Open	50	Conga L Slide	51	Bongo H Open	52	Bongo L Open	44	Hand Clap
35	Samba Kit 1	59	Cuica Mute	56	Agogo L	55	Agogo H	60	Cuica Open	64	Surdo Open
36	Samba Kit 2	68	Repique	64	Surdo Open	75	Tambourim Open	76	Tambourim Slap	26	Tom 1
37	Samba Kit 3	76	Tambourim Slap	75	Tambourim Open	60	Cuica Open	59	Cuica Mute	26	Tom 1
38	Timpani Kit	92	Timpani D	93	Timpani G	94	Timpani C	95	Timpani F	42	Hand Cymbal
39	Tom Kit	25	High Tom	24	Mid Tom	23	Low Tom	22	Floor Tom High	21	Floor Tom Low
40	Cymbal Kit	37	Crash Cymbal 1	38	Crash Cymbal 2	39	Ride Cymbal 1	40	Ride Cymbal 2	41	Splash Cymbal
41	Acoustic Kit	78	Djembe Slap	80	Shekere Shake	81	Shaker Hit	67	Wind Chime	66	Shaker
42	Percussion Kit 1	44	Hand Clap	62	Cowbell	56	Agogo L	55	Agogo H	80	Shekere Shake
43	Percussion Kit 2	63	Castanet	65	Claves	61	Tambourine	66	Shaker	64	Surdo Open
44	Conga Kit	48	Conga H Slap	46	Conga H Tip	47	Conga H Open	49	Conga L Open	61	Tambourine
45	Cajon Kit	74	Cajon Slap	72	Cajon Tip	73	Cajon Low	66	Shaker	61	Tambourine
46	Darabuka Kit	70	Darabuka Slap	71	Darabuka Mute	69	Darabuka Open	61	Tambourine	27	Tom 2
47	Djembe Kit	78	Djembe Slap	79	Djembe Mute	77	Djembe Open	80	Shekere Shake	65	Claves
48	VoicePerc. Kit	90	VoicePerc. Snare Drum	88	VoicePerc. HH Close	91	VoicePerc. Tom	87	VoicePerc. Crash	89	VoicePerc. Bass Drum
49	Japanese Kit	85	Shimedaiko	84	Atarigane	82	Oodaiko	83	Oodaiko Rim	86	Kabuki Voice / Tsuzumi
50	Animal Kit	96	Rooster	97	Dog	98	Cow	99	Horse	44	Hand Clap

Drum Score

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

: Repeat the previous measure.

: Repeat the previous two measures.

: Eighth notes are to be played with a triplet feel.

In this manual some notes appear in parentheses. This indicates that the note is played by the instrument and you do not need to play it.

The following are drum scores for each Pattern, with the Pattern number, Pattern name and the recommended Drum Kit number indicated. (Some of the scores also include the recommended Magic Tom number indicating the space for a fill-in.) Refer to the “Drum Kit List” (page 20) to see the voice assignments to pads and pedal for each Drum Kit.

Try and play along with these Patterns!

01 8 Beat 1 (Drum Kit 1)

A typical rhythm pattern in rock and pop music based on eighth notes.

02 8 Beat 2 (Drum Kit 2)

Drum Score

03 8 Beat 3 (Drum Kit 2)

♩=112 CRASH H.H.

Musical notation for 8 Beat 3 (Drum Kit 2) in 4/4 time. The tempo is 112 BPM. The notation features a bass line with quarter notes and eighth notes, and a top line with 'x' marks representing cymbal crashes. The pattern repeats every 4 beats, with a double bar line after the 4th beat and a repeat sign at the end.

04 8 Beat 4 (Drum Kit 3)

♩=118 CRASH H.H.

Musical notation for 8 Beat 4 (Drum Kit 3) in 4/4 time. The tempo is 118 BPM. The notation features a bass line with quarter notes and eighth notes, and a top line with 'x' marks representing cymbal crashes. The pattern repeats every 4 beats, with a double bar line after the 4th beat and a repeat sign at the end.

05 8 Beat 5 (Drum Kit 4)

♩=120 H.H.

Musical notation for 8 Beat 5 (Drum Kit 4) in 4/4 time. The tempo is 120 BPM. The notation features a bass line with quarter notes and eighth notes, and a top line with 'x' marks representing cymbal crashes. The pattern repeats every 4 beats, with a double bar line after the 4th beat and a repeat sign at the end.

06 8 Beat 6 (Drum Kit 1)

♩=125 CRASH H.H.

Musical notation for 8 Beat 6 (Drum Kit 1) in 4/4 time. The tempo is 125 BPM. The notation features a bass line with quarter notes and eighth notes, and a top line with 'x' marks representing cymbal crashes. The pattern repeats every 4 beats, with a double bar line after the 4th beat and a repeat sign at the end.

07 Rock 1 (Drum Kit 14)

♩=102 CRASH H.H. Magic Tom 4

Musical notation for Rock 1 (Drum Kit 14) in 4/4 time. The tempo is 102 BPM. The notation features a bass line with quarter notes and eighth notes, and a top line with 'x' marks representing cymbal crashes. A bracket labeled 'Magic Tom 4' is placed above the final two beats of the 8-beat pattern. The pattern repeats every 4 beats, with a double bar line after the 4th beat and a repeat sign at the end.

08 Rock 2 (Drum Kit 15)

$\text{♩} = 140$ CRASH H.H.

09 Rock'n Roll (Drum Kit 5)

$\text{♩} = 168$ CRASH H.H. Open →

Early rock 'n' roll pattern from the 1950's, popularized by Elvis Presley and Chuck Berry and others.

10 Hard Rock 1 (Drum Kit 6)

$\text{♩} = 86$ CRASH H.H. Open →

11 Hard Rock 2 (Drum Kit 7)

CRASH H.H.

$\text{♩} = 178$

Drum Score

12 Hard Rock 3 (Drum Kit 6)

CRASH COWBELL

$\text{♩} = 132$

The score is written on a single bass clef staff in common time (C). The tempo is marked as quarter note = 132. The notation includes various rhythmic patterns: quarter notes, eighth notes, and sixteenth notes. Above the staff, there are symbols for 'CRASH' (a circle with an 'X') and 'COWBELL' (a triangle). The piece concludes with a double bar line and repeat dots.

13 Blues (Drum Kit 23)

CRASH H.H.

$\text{♩} = 65$

Magic Tom 3

The score is written on a single bass clef staff in common time (C). The tempo is marked as quarter note = 65. The notation features a steady bass line with eighth notes and quarter notes. Above the staff, there are symbols for 'CRASH' (circle with 'X') and 'H.H.' (triangle). There are also triplet markings (a bracket with '3') over groups of notes. A 'Magic Tom 3' section is indicated by a bracket and '3' above a triplet of notes. The piece ends with a double bar line and repeat dots.

Blues is a genre created by African-Americans in the U.S. and is the musical root for both jazz and rock.

14 Soul (Drum Kit 24)

CRASH H.H.

$\text{♩} = 122$

The score is written on a single bass clef staff in common time (C). The tempo is marked as quarter note = 122. The notation includes a consistent bass line with eighth notes and quarter notes. Above the staff, there are symbols for 'CRASH' (circle with 'X') and 'H.H.' (triangle). The piece concludes with a double bar line and repeat dots.

15 16 Beat 1 (Drum Kit 8)

H.H.

$\text{♩} = 96$

The score is written on a single bass clef staff in common time (C). The tempo is marked as quarter note = 96. The notation shows a steady bass line with eighth notes and quarter notes. Above the staff, there are symbols for 'H.H.' (triangle). The piece concludes with a double bar line and repeat dots.

A rhythm developed in dance music and jazz fusion, based on sixteenth notes.

16 16 Beat 2 (Drum Kit 8)

CRASH H.H. $\text{♩} = 108$

17 16 Beat 3 (Drum Kit 16)

CRASH H.H. $\text{♩} = 126$

18 Slow Ballad (Drum Kit 30)

CRASH H.H. $\text{♩} = 62$ Magic Tom 3

19 Slow 16 Beat (Drum Kit 9)

CRASH H.H. $\text{♩} = 66$

20 16 Beat Shuffle (Drum Kit 10)

$\text{♩} = 72$ CRASH H.H. Magic Tom 4

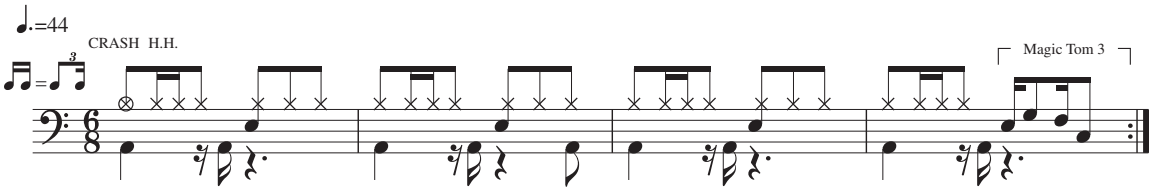
Drum Score

21 6/8 Ballad (Drum Kit 25)

♩ = 44

CRASH H.H.

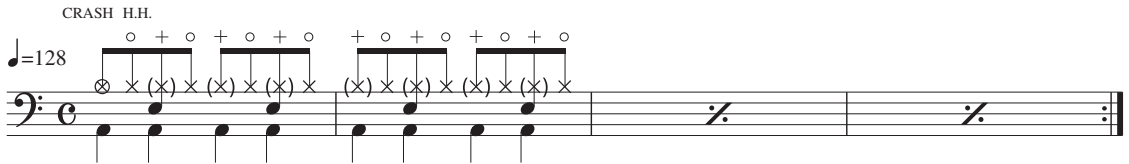
Magic Tom 3



22 House (Drum Kit 19)

CRASH H.H.

♩ = 128



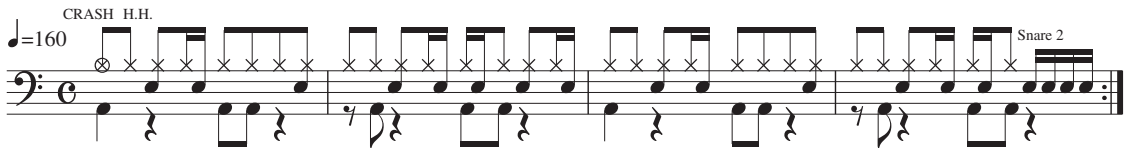
This music genre originated in Chicago in 1977 and is characterized by drum machine sounds and rhythms.

23 Drum'n Bass (Drum Kit 20)

CRASH H.H.

♩ = 160

Snare 2

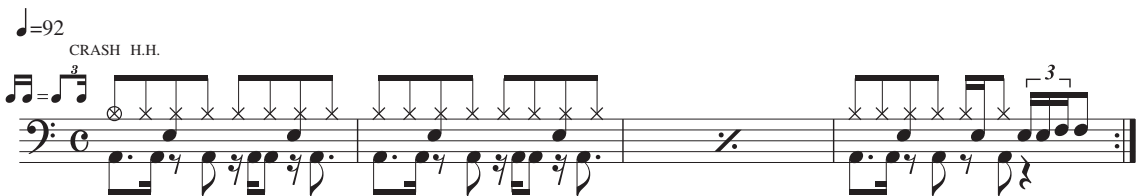


A dance music genre characterized by complicated and fast rhythms, with heavy bass lines.

24 Hip Hop (Drum Kit 21)

♩ = 92

CRASH H.H.



Hip Hop dates back to the 1970's, with the emerging Rap music from the Bronx in New York City.

25 Technical Funk (Drum Kit 17)

CRASH RIDE
R L R R L R L L R L R R L R L L →

♩=108

Played with a single paradiddle rudiment.

26 70's Funk (Drum Kit 18)

CRASH H.H.

♩=114

27 4 Beat (Drum Kit 26)

♩=120

RIDE

Basic legato cymbal playing for jazz drumming.

28 Big Band (Drum Kit 27)

♩=168

RIDE

CRASH

Drum Score

29 Swing Jazz (Drum Kit 28)

♩=166
RIDE

♩=166
RIDE

30 Country (Drum Kit 11)

♩=108
SPLASH H.H.

♩=108
SPLASH H.H.

A broad music genre created and popularized in the south in the U.S.

31 Second Line Beat (Drum Kit 26)

♩=88

♩=88

Highly popular, funky rhythm born from traditional parades in New Orleans.

32 Paso Doble (Drum Kit 12)

♩=118
DRUMS

♩=118
DRUMS

CASTANET

33 Samba (Drum Kit 35)

$\text{♩} = 132$

High
AGOGO

Low

SURDO Open

Popular Brazilian music style. Played with agogo and surdo as shown in this example, as well as other percussion instruments such as pandeiro and tamborim.

34 Bossa Nova (Drum Kit 29)

$\text{♩} = 132$

H.H.

Magic Tom 3

Brazilian rhythm born in Rio de Janeiro in the late 1950's, popularized by artists such as Antônio Carlos Jobim and João Gilberto.

35 Calypso (Drum Kit 13)

$\text{♩} = 240$

H.H.

TIMBALES High

TIMBALES Low

A rhythm originating from the Caribbean island of Trinidad.

Drum Score

36 Reggae (Drum Kit 31)

♩=143

The notation is on a single bass clef staff in common time (C). It starts with a tempo of 143 BPM. The first measure contains six eighth notes, each marked with an 'x' and labeled 'H.H.'. The second and third measures are marked with a double slash and a vertical line, indicating they are omitted. The fourth measure contains a quarter note marked 'x' and labeled 'Magic Tom 3', followed by a triplet of eighth notes marked 'x' and labeled 'SPLASH'. The piece ends with a double bar line.

This rhythm style emerged from Jamaica in the 1960's. The example here is of the “one drop” playing style where the first beat is left empty.

37 Chacha (Drum Kit 32)

♩=120

The notation consists of three staves in common time (C) with a tempo of 120 BPM. The top staff is labeled 'GUIRO' and contains a sequence of notes: a quarter note labeled 'Long', followed by two eighth notes labeled 'Short', and then two measures marked with a double slash and a vertical line. The middle staff is labeled 'TIMBALES' and contains two measures marked with a double slash and a vertical line, followed by a quarter note labeled 'High' and a quarter note labeled 'Low'. The bottom staff is labeled 'DRUMS' and contains a sequence of notes: a quarter note, an eighth note, a quarter note, an eighth note, a quarter note, and a quarter note, followed by two measures marked with a double slash and a vertical line, and a final quarter note.

One of the major Cuban rhythms, along with Mambo and Rumba.

Now that you have played through the scores above, continue to play and enjoy the rest of the Patterns in your favorite styles!

Specifications

Size/Weight	Dimensions	Width	343 mm (13-1/2")
		Height	146.1 mm (5-3/4")
		Depth	325.9 mm (12-13/16")
	Weight	1.5 kg (3 lbs., 5 oz.)	
Control Interface	Pad	Number of Pads	4
		Touch Sensitivity	Yes (Hand Percussion On/Off)
	Pedal	Number of Pedals	1 (optional)
	Display	Type	LED (7-segment, 2-digit)
	Panel	Language	English
Voices	Polyphony	Number of Polyphony (Max.)	32
	Voices	Number of Voices	99
	Drum Kits	Number of Drum Kits	50 Preset + 1 Custom
	Magic Toms	Number of Magic Tom Patterns	10
Songs	Demo Songs	Number of Demo Songs	3
	Patterns	Number of Patterns	50
Functions	Overall Controls	Click	Yes
		Tempo Range	11–280
		Miscellaneous	Auto Power Off, Tap Start, Part Mute
Connectivity	Connectors	DC IN	12 V
		AUX IN	1 (Mini, Mono)
		PHONES/OUTPUT	1 (Mono)
		PEDAL	1
Amplifiers and Speakers	Amplifiers	5 W	
	Speakers	12 cm	
Power Supply	Power Supply	Adaptor	PA-130, PA-3C, or an equivalent recommended by Yamaha
		Batteries	Six "AA" size, LR6
	Power Consumption	6W (PA-130)/8W (PA-3C)	
Accessories	Included Accessories	<ul style="list-style-type: none"> • Owner's Manual • AC Power Adaptor • Drum Stick (x2) • My Yamaha Product User Registration 	
	Optional Accessories	<ul style="list-style-type: none"> • AC Power Adaptor PA-130, PA-3C, or an equivalent • Footswitch FC4/FC5 • Headphones HPE-150, HPE-30 • Snare Stand SS662 	

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<p>Viktigt: Garantierinformation för kunder i EES-området* och Schweiz För detaljerad information om denna Yamaha-produkt samt garantierinformation i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land (se baksidan). *EES: Europeiska Ekonomiska Samarbetsområdet</p>	<p>Svenska För detaljerad information om denna Yamaha-produkt samt garantierinformation i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land (se baksidan). *EES: Europeiska Ekonomiska Samarbetsområdet</p>	<p>Slovenščina Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švicji Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švicji, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi (glejte drugo stran lista). * EGP: Evropski gospodarski prostor</p>
<p>Viktig merknad: Garantierinformation för kunder i EØS* og Sveits Detaljert garantierinformation om dette Yamaha-produktet og garantierinformation for hele EØS-området* og Sveits kan fås enten ved å besøke nettsidene nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte kontakte Yamaha-kontoret i landet der du bor (se neste side). *EØS: Det europeiske økonomiske samarbeidsområdet</p>	<p>Norsk Detaljert garantierinformation om dette Yamaha-produktet og garantierinformation for hele EØS-området* og Sveits kan fås enten ved å besøke nettsidene nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte kontakte Yamaha-kontoret i landet der du bor (se neste side). *EØS: Det europeiske økonomiske samarbeidsområdet</p>	<p>Български език Важно съобщение: Информация за гаранцията за клиент в ЕИП* и Швейцария За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в пазаропролектата 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 (вж. на гърба). * ЕИП: Европейско икономическо пространство</p>
<p>Viktig oplysning: Garantiplysninger til kunder i EØB* og Schweiz De kan finde detaljerede garantiplysninger om dette Yamaha-produkt og den fælles garantierinformation for EØB* (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 (se næste side). * EØB: Det Europæiske Økonomiske Område</p>	<p>Dansk De kan finde detaljerede garantiplysninger om dette Yamaha-produkt og den fælles garantierinformation for EØB* (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 (se næste side). * EØB: Det Europæiske Økonomiske Område</p>	<p>Limba română Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția 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 (e se vedea pe verso). * SEE: Spațiul Economic European</p>

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Yamaha Representative Offices in Europe

AUSTRIA

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

BELGIUM

Yamaha Music Europe
Branch Benelux
Clariessenhof 5b NL, 4133 AB, Vianen
The Netherlands
Tel: +31 (0)347 358040
Fax: +31 (0)347 358060

BULGARIA

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

CYPRUS

NAKAS Music Cyprus Ltd.
31C Nikis Ave., 1086 Nicosia
Tel: +357 (0)22 510 477
Fax: +357 (0)22 511 080

CZECH REPUBLIC

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

DENMARK

YS Copenhagen Liaison Office
(Yamaha Scandinavia AB Filial Denmark)
Generatorvej 6A, 2730 Herlev, Denmark
Tel: +45 44 92 49 00
Fax: +45 44 54 47 03

ESTONIA

Yamaha Music Europe GmbH
Sp. z o.o. Oddział w Polsce
(Branch Poland)
ul. 17 Stycznia 56
PL-02-146 Warszawa Poland
Tel: +48 (0)22 500 29 25
Fax: +48 (0)22 500 29 30

FINLAND

(For Musical Instrument)
F - Musiikki OY
Kaisaniemenkatu 7, PL280
00101 Helsinki, Finland
Tel: +358 (0)9 618511
Fax: +358 (0)9 61851385

(For Pro Audio)

Yamaha Scandinavia AB
J.A. Wettergrens gata 1
Västtra Förlunda, Sweden
(Box 300 53, 400 43 Göteborg
Sweden - Postal Address)
Tel: +46 (0)31 893400
Fax: +46 (0)31 454026

FRANCE

Yamaha Musique France
Zone d'activité de Pariest
7, rue Ambroise Croizat
77183 Croissy-Beaubourg, France
(B.P. 70, 77312 Mame la Vallée Cedex 2
France-Adresse postale)
Tel: +33 (0)1 64 61 4000
Fax: +33 (0)1 64 61 4079

GERMANY

Yamaha Music Europe GmbH
Siemensstr 22-34
D-25462 Rellingen, b. Hamburg, Germany
Tel: +49 (0)4101 3030
Fax: +49 (0)4101 303 77702

GREECE

PH. Nakas S.A. Music House/Service
19 KM Leoliros Lavricou
19002 Peania / Attiki, Greece
Tel: +30 (0)210 6686260
Fax: +30 (0)210 6686269

HUNGARY

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

ICELAND

(For Musical Instrument)
HLJÓÐFAERAHUSID EHF
Síðumúla 20
108 Reykjavík, Iceland
Tel: +354 525 50 50
Fax: +354 568 65 14

(For Pro Audio)

Yamaha Scandinavia AB
J.A. Wettergrens gata 1
Västtra Förlunda, Sweden
(Box 300 53, 400 43 Göteborg
Sweden - Postal Address)
Tel: +46 (0)31 893400
Fax: +46 (0)31 454026

IRELAND (REPUBLIC OF IRELAND)

Yamaha Music UK Ltd.
Sherbourne Drive
Tilbrook, Milton Keynes MK7 8BL
United Kingdom
Tel: +353 (0) 1526 2449
Fax: +44 (0) 1908 369278

ITALY

Yamaha Musica Italia s.p.a.
Viale Italia 88
20020, Lainate (Milano), Italy
Tel: +39 (0)02 9657711
Fax: +39 (0)02 937 0956

LATVIA

Yamaha Music Europe GmbH
Sp. z o.o. Oddział w Polsce
(Branch Poland)
ul. 17 Stycznia 56
PL-02-146 Warszawa Poland
Tel: +48 (0)22 500 29 25
Fax: +48 (0)22 500 29 30

LIECHTENSTEIN

Yamaha Music Europe GmbH, Rellingen,
Branch Switzerland in Zürich
Seefeldstrasse 94, CH-8008
Zürich, Switzerland
Tel: +41 (0)44 3878080
Fax: +41 (0)44 3833918

LITHUANIA

Yamaha Music Europe GmbH
Sp. z o.o. Oddział w Polsce
(Branch Poland)
ul. 17 Stycznia 56
PL-02-146 Warszawa Poland
Tel: +48 (0)22 500 29 25
Fax: +48 (0)22 500 29 30

LUXEMBOURG

Yamaha Music Europe
Branch Benelux
Clariessenhof 5b NL, 4133 AB, Vianen
The Netherlands
Tel: +31 (0)347 358040
Fax: +31 (0)347 358060

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Misla MSD06
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Branch Benelux
Clariessenhof 5b NL, 4133 AB, Vianen
The Netherlands
Tel: +31 (0)347 358040
Fax: +31 (0)347 358060

NORWAY

YS Oslo Liaison Office
(Yamaha Scandinavia AB Filial Norway)
Gruni Naeringspark 1
1361 Osteras, Norway
Tel: +47 67 16 77 70
Fax: +47 67 16 77 79

POLAND

YAMAHA Music Europe GmbH
Sp. z o.o. Oddział w Polsce
ul. 17 Stycznia 56
02-146 WARSZAWA/POLSKA
Tel: +48 (0)22 500 29 25
Fax: +48 (0)22 500 29 30

PORTUGAL

Yamaha Música Ibérica, S.A.U.
Sucursal Portuguesa
Rua Alfredo da Silva
2610-016 Amadora, Portugal
Tel: +351 214 704 330
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ROMANIA

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

SLOVAKIA

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

SLOVENIA

Yamaha Music Europe GmbH
Branch Austria (Central and Eastern Europe)
Schlierergasse 20, A-1100 Wien Austria
Tel: +43 (0)1 602 03900
Fax: +43 (0)1 602 039051

SPAIN

Yamaha Música Ibérica, S.A.U.
Ctra. de la Conuna km.17, 200
28230 Las Rozas de Madrid, Spain
Tel: +34 902 39 8888
Fax: +34 91 638 4660

SWEDEN

Yamaha Scandinavia AB
J.A. Wettergrens gata 1
Västtra Förlunda, Sweden
(Box 300 53, 400 43 Göteborg
Sweden - Postal Address)
Tel: +46 (0)31 893400
Fax: +46 (0)31 454026

SWITZERLAND

Yamaha Music Europe GmbH, Rellingen,
Branch Switzerland in Zürich
Seefeldstrasse 94, CH-8008
Zürich, Switzerland
Tel: +41 (0)44 3878080
Fax: +41 (0)44 3833918

UNITED KINGDOM

Yamaha Music UK Ltd.
Sherbourne Drive
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United Kingdom
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AUSTRIA

Yamaha Music Europe GmbH Branch Austria
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BP 70-77312 Marne-la-Vallée Cedex 2, France
Tel: 01-64-61-4000

ITALY

Yamaha Musica Italia S.P.A.
Viale Italia 88, 20020 Lainate (Milano), Italy
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Las Rozas (Madrid), Spain
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147 Skiathou Street, 112-55 Athens, Greece
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Yamaha Scandinavia AB
J. A. Wettergrens Gata 1, Box 30053
S-400 43 Göteborg, Sweden
Tel: 031 89 34 00

DENMARK

YS Copenhagen Liaison Office
Generatorvej 6A, DK-2730 Herlev, Denmark
Tel: 44 92 49 00

FINLAND

F-Musiikki Oy
Kluuvikatu 6, P.O. Box 260,
SF-00101 Helsinki, Finland
Tel: 09 618511

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ICELAND

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Tel: +49-4101-3030

AFRICA

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Japan 430-8650
Tel: +81-53-460-2312

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Tel: 080-004-0022

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Tel: 3-78030900

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Yupango Music Corporation
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Makati, Metro Manila, Philippines
Tel: 819-7551

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Yamaha Music Asia Pte., Ltd.
#03-11 A-Z Building
140 Paya Lebar Road, Singapore 409015
Tel: 747-4374

TAIWAN

Yamaha KHS Music Co., Ltd.
3F, #6, Sec.2, Nan Jing E. Rd. Taipei.
Taiwan 104, R.O.C.
Tel: 02-2511-8688

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Siam Music Yamaha Co., Ltd.
4, 6, 15 and 16th floor, Siam Motors Building,
891/1 Rama 1 Road, Wangmai,
Pathumwan, Bangkok 10330, Thailand
Tel: 02-215-2626

OTHER ASIAN COUNTRIES

Yamaha Corporation,
Asia-Pacific Music Marketing Group
Nakazawa-cho 10-1, Naka-ku, Hamamatsu,
Japan 430-8650
Tel: +81-53-460-2317

OCEANIA

AUSTRALIA

Yamaha Music Australia Pty. Ltd.
Level 1, 99 Queensbridge Street, Southbank,
Victoria 3006, Australia
Tel: 3-9693-5111

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COUNTRIES AND TRUST TERRITORIES IN PACIFIC OCEAN

Yamaha Corporation,
Asia-Pacific Music Marketing Group
Nakazawa-cho 10-1, Naka-ku, Hamamatsu,
Japan 430-8650
Tel: +81-53-460-2312

HEAD OFFICE Yamaha Corporation, Pro Audio & Digital Musical Instrument Division
Nakazawa-cho 10-1, Naka-ku, Hamamatsu, Japan 430-8650
Tel: +81-53-460-3273



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