



DIGITAL KEYBOARD

# PSR-E360

Before using the instrument, be sure to read  
"PRECAUTIONS" on pages 5-7.

Owner's Manual

Setting Up

Reference

Appendix

EN

## For this instrument

### 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

## For AC adaptor and this instrument

### 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)

### COMPLIANCE INFORMATION STATEMENT (Supplier's declaration of conformity procedure)

Responsible Party : Yamaha Corporation of America  
Address : 6600 Orangethorpe Ave., Buena Park, Calif. 90620  
Telephone : 714-522-9011  
Type of Equipment : Digital Keyboard  
Model Name : PSR-E360

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.

\* This applies only to products distributed by Yamaha Corporation of America.

(FCC SDoC)

## For AC adaptor



### 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 the 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.

#### **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 the instrument

#### **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 35) 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

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- 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 35) 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

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- 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.
  - If any cracks or breakages exist on the instrument.

## CAUTION

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**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

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- 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

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

### Connections

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- 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

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- 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 or keyboard. 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.

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)

DMI-7 3/3

## 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 app on your smart device such as a smartphone or tablet, we recommend that you enable "Airplane Mode" 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 keyboard.

### ■ Maintenance

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

### ■ Saving data

- Some of the data of this instrument (page 31) are retained when the power is turned off. However, the saved data may be lost due to some failure, an operation mistake, etc.

## 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 functions/data bundled with the instrument

- Some of the preset songs have been edited for length or arrangement, and may not be exactly the same as the original.

### ■ About this manual

- The illustrations and LCD screens as shown in this manual are for instructional purposes only, and may appear somewhat different from those on your instrument.
- The letters at the end of the model name ("DW" or "MA") are color information of the instrument. For example, "DW" indicates "Dark Walnut", and "MA" indicates "Maple." Since they simply indicate the color, these letters are omitted in this manual.
- 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 Keyboard!**

**This high-quality keyboard is loaded with sophisticated functions, and is designed to enhance your living space.**

**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 book explains how to use the basic functions and how to make detailed settings for the various functions of the instrument. The Appendix section contains various important preset content lists such as Voices, Styles and Effects.

### ■ Online Materials (Downloadable from the web)



#### **Drum Kit List**

This contains detailed information of the Drum Kit Voices (page 15, Voice No. 321–336). When selecting these Voices, various drum, percussion and SFX sounds listed here are assigned to each key.

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

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



#### **Song Book** (only in English, French, German and Spanish)

This contains music scores for the preset Songs (excluding the Demo Songs) of this instrument.

To obtain this Song Book, access the Yamaha website, and click on the “Download” tab beneath the model name.

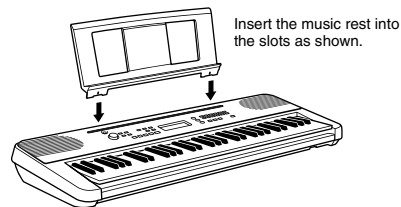
**Yamaha Global Site** <https://www.yamaha.com/>

## Included Accessories

- Owner's Manual (this book) × 1
- AC adaptor\* × 1
- Music rest × 1
- Online Member Product Registration × 1

\* May not be included depending on your area. Check with your Yamaha dealer.

## Attaching the Music Rest





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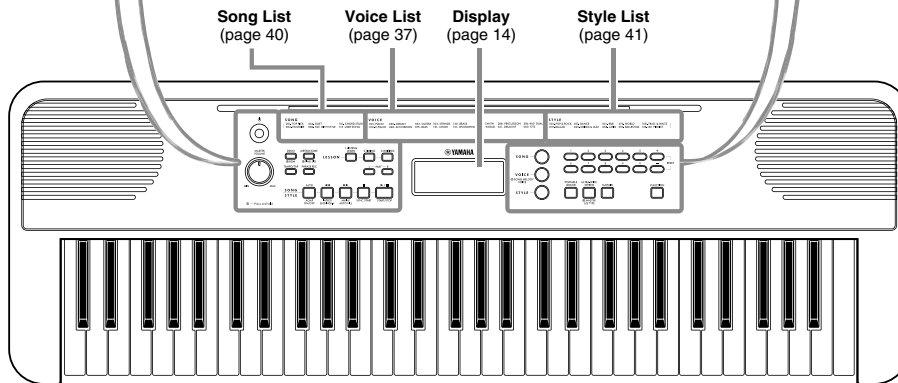
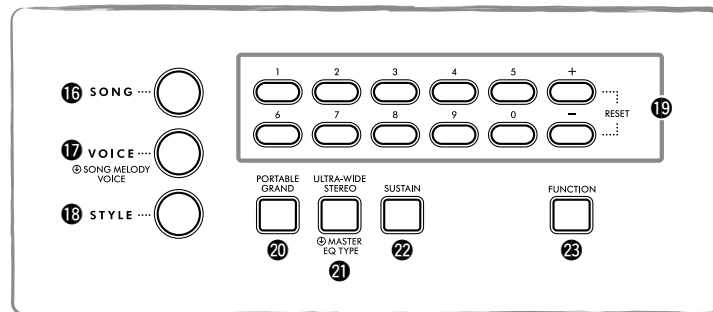
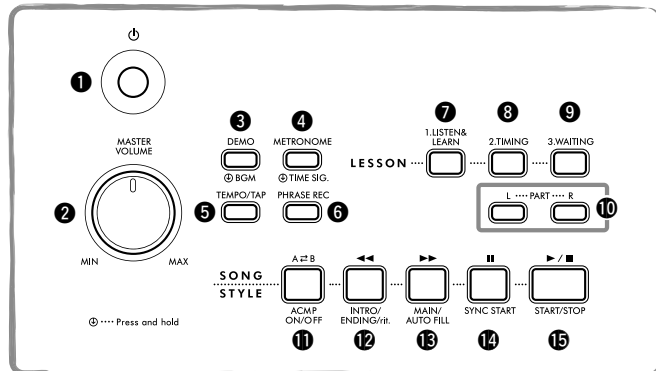
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# Panel Controls and Terminals



## ● Front Panel



- ❶ [⏻] (Standby/On) switch ..... page 13
- ❷ [MASTER VOLUME] dial ..... page 13
- ❸ [DEMO] button ..... page 19
- ❹ [METRONOME] button ..... page 15
- ❺ [TEMPO/TAP] button ..... page 20
- ❻ [PHRASE REC] button ..... page 28
- ❼ [1.LISTEN & LEARN] button ..... page 22
- ❽ [2.TIMING] button ..... page 22
- ❾ [3.WAITING] button ..... page 22
- ❿ PART
  - [L] button ..... page 21
  - [R] button ..... page 21

**In the Song mode**


- ⓫ [A ⇌ B] button ..... page 20
- ⓬ [◀◀] (Fast Reverse) button ..... page 20
- ⓭ [▶▶] (Fast Forward) button ..... page 20
- ⓮ [||] (Pause) button ..... page 20
- ⓯ [▶/■] (Start/Stop) button ..... page 19

**In the Style mode**

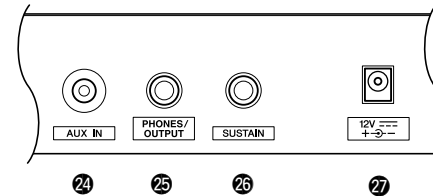
- ⓫ [ACMP ON/OFF] button ..... page 25
- ⓬ [INTRO/ENDING/rit.] button ..... page 26
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- ⓫ [SONG] button ..... page 19
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- ⓮ Number buttons [0]–[9], [+], [-] ..... page 14
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- ⓱ [SUSTAIN] button ..... page 16
- ⓲ [FUNCTION] button ..... page 32

**The “Press & Hold” Symbol**

 Buttons having this indication can be used to call up an alternate function when the relevant button is pressed and held. Hold down this button until the function is called up.

● **Rear Panel**



- ⓫ [AUX IN] jack ..... page 30
- ⓬ [PHONES/OUTPUT] jack ..... page 30
- ⓭ [SUSTAIN] jack ..... page 31
- ⓯ [DC IN] jack ..... page 12

# Setting Up

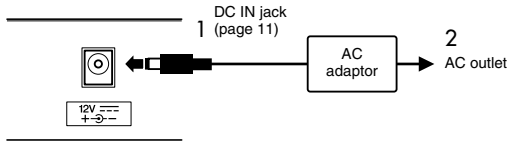


## Power Requirements

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

Connect the AC adaptor in the order shown in the illustration.

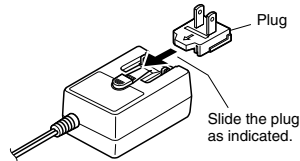


#### ⚠ WARNING

- Use the specified AC adaptor (page 35) only. Using the wrong AC adaptor can result in damage to the instrument or overheating.

#### ⚠ WARNING

- 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.
- If the plug is accidentally removed from the AC adaptor, slide it back in until it clicks into place, taking care to avoid touching any internal metal parts. To avoid electric shock, short circuit or damage, also be careful that there is no dust between the AC adaptor and plug.



The shape of the plug differs depending on your area.

#### ⚠ 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.

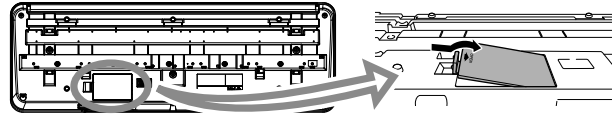
### ● Using Batteries

This instrument requires six “AA” size, Alkaline (LR6)/Manganese (R6) 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.

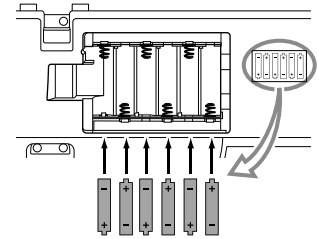
#### ⚠ WARNING

- When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument.

- 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 at the time.
- Make sure to set the battery type correctly (page 35).
- 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 the specified 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.

## Setting the battery type

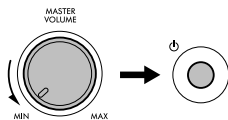
Depending on the battery type to be used, you may need to change the battery type setting on this instrument. Alkaline (and manganese) batteries are chosen by default. After installing new batteries and turning the power on, make sure to set the Battery Type appropriately (rechargeable or not) via Function number 022 (page 33).

**NOTICE**

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

## Turning the Power On

- 1 Turn down the [MASTER VOLUME] dial to "MIN".
- 2 Press the [⏻] (Standby/On) switch to turn the power on.  
The Voice name appears on the display.  
Adjust the volume as desired while playing the keyboard.
- 3 Press and hold the [⏻] (Standby/On) switch for about a second to set the instrument to standby mode.



### ⚠ CAUTION

- Even when the [⏻] (Standby/On) switch is in standby status, electricity is still flowing to the product at the minimum level. Remove the electric plug from the outlet when the instrument is not to be used for extended periods of time, or during electrical storms.
- Do not use the instrument for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss.

**NOTICE**

- Press only the [⏻] (Standby/On) switch when turning the power on. Any other operations such as pressing the pedal are not allowed. Doing so may cause the instrument to malfunction.

## 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.

### To set the time that elapses before Auto Power Off is executed:

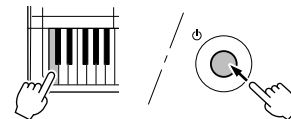
Press the [FUNCTION] button several times until "AutoOff" (Function 021; page 33) appears, then use the [+] or [-] button to select the desired value.

**Settings:** OFF, 5, 10, 15, 30, 60, 120 (minutes)

**Default value:** 30 (minutes)

### To disable the Auto Power Off function:

Turn the power on while holding down the lowest key on the keyboard. A message "oFF AutoOff" appears briefly, then the instrument starts up with the Auto Power Off function disabled. The Auto Power Off function also can be disabled by selecting Off in Function number 021 (page 33).

**NOTICE**

- Depending on the instrument status, the power may not turn off automatically, even after the elapse of the specified period of time. Always turn off the power manually when the instrument is not in use.
- When the instrument is not operated for a specified period of time while connected to an external device such as an amplifier, speaker or computer, make sure to follow the instructions in the Owner's Manual to turn off the power to the instrument and the connected devices, in order to protect the devices from damage. If you do not want the power to turn off automatically when a device is connected, disable Auto Power Off.

**NOTE**

- Generally, the data and settings are maintained even when the power is turned off with the Auto Power Off function. For details, see page 31.

# Display Items and Basic Operations



## Display Items

### Notation

Normally this indicates the notes you play. When the Song Lesson function is used, this indicates the current notes and chord of playback.

**NOTE**

- Any notes occurring below or above the staff are indicated by "8va."
- For a few specific chords, not all notes may be shown, due to space limitations in the display.

### Song/Voice/Style

These indicate the operating condition of the instrument.

**SONG**  
**VOICE**  
**STYLE**

### On/Off status

Each indication is shown when the corresponding function is turned on.

**WIDE** ... Ultra-Wide Stereo (page 16)  
**TOUCH** ... Touch Response (page 16)  
**ACMP** ... Auto Accompaniment (page 25)  
**DUAL** ... Indicates that a Dual Voice (No.386–400) is selected.  
**DUO** ... Duo (page 17)

### Chord

Indicates the chord which is played on the Auto Accompaniment range (page 25) of the keyboard, or specified via Song playback.

**[C]**

### Keyboard Display

Indicates notes currently being played. Indicates the melody and chord notes of a Song when the Song lesson function is in use. Also indicates the notes of a chord when using the Auto Accompaniment function (page 25).

### Song Track status

Indicates the on/off status of Song playback or target Track of Song recording (page 21).

**L R**

**[R]** Lit: Track contains data  
**[R]** Unlit: Track is muted or contains no data

### Measure or Function

Normally indicates the current measure number of current Style or Song. When the [FUNCTION] button (page 32) is in use, this indicates the Function number.

MEASURE      FUNCTION  
**003**      **022**

### Beat

Indicates the current beat of playback.

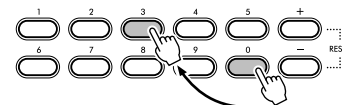
## Basic Operations

Before operating the instrument, it may be helpful to familiarize yourself with the basic controls below that are used to select items and change values.

### Number buttons

Use the number buttons to directly enter an item or value. For numbers that start with one or two zeroes, the first zeroes can be omitted.

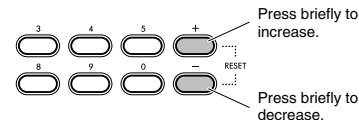
**Example: Selecting Voice 003, Bright Piano.**



Press number buttons [0], [0], [3], or simply press [3].

### [+] and [-] buttons

Press the [+] button briefly to increase the value by 1, or press the [-] button briefly to decrease the value by 1. Press and hold either button to continuously increase or decrease the value in the corresponding direction.



# Playing a Variety of Instrument Voices

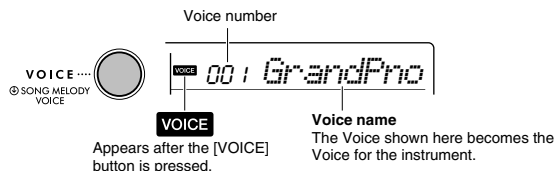


In addition to piano, organ, and other “standard” keyboard instruments, this instrument has a large range of Voices that includes guitar, bass, strings, sax, trumpet, drums and percussion, and even sound effects—giving you a wide variety of musical sounds.

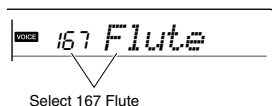
## Selecting a Voice

### 1 Press the [VOICE] button.

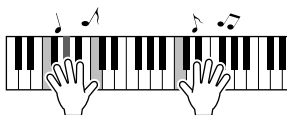
The Voice number and name will be shown.



- 2 Use the number buttons [0]–[9] buttons or [+]/[-] buttons to select the desired Voice, referring to the Voice List on page 37.



### 3 Play the keyboard.



#### Preset Voice Types

001–320	Instrument Voices.
321–385 (DRUM KIT)	Various drum, percussion, and SFX sounds are assigned to individual keys, from which they can be played. Details on the instruments and key assignments of the Drum Kit Voices; Voice No. 321–336 can be found in the Drum Kit List on the web-site (page 8).
386–400 (DUAL)	Two Voices sound at the same time.
000	<b>One Touch Setting</b> The One Touch Setting feature automatically selects the most suitable Voice when you select a Style or Song (excepting the Song inputted from the [AUX IN] jack). Simply select Voice number “000” to activate this feature.

## Playing the “Grand Piano”

When you want to reset various settings to default and simply play a Piano sound, press the [PORTABLE GRAND] button.



The Voice “001 Grand Piano” will automatically be selected as the Voice.

## Using the Metronome

The instrument features a built-in metronome (a device that keeps an accurate tempo), convenient for practicing.

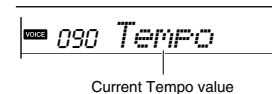
- 1 Press the [METRONOME] button to start the metronome.



- 2 Press the [METRONOME] button again to stop the metronome.

#### To change the tempo:

Press the [TEMPO/TAP] button to call up the Tempo value, then use the number buttons [0]–[9] or [+]/[-] buttons. Press the [+ and -] buttons simultaneously to instantly reset the value to the default tempo.



#### To set the Time Signature:

Press and hold the [METRONOME] button to call up “TimeSig” (Functions 016; page 33), then use the number buttons.

#### To set the Metronome Volume:

This can be set via Function number 017 (page 33).

## Adding Sustain (Panel Sustain)

Press the [SUSTAIN] button to add a fixed, automatic sustain to the keyboard Voices. Press the [SUSTAIN] button again to turn the sustain off.



### NOTE

- Even if you turn on Panel Sustain, there are some Voices to which sustain is not applied.
- Connect the footswitch (sold separately) to this instrument to switch the Sustain on/off. For details, refer to "Using a Pedal" (page 31).

## Changing the Touch Response of the Keyboard

The keyboard of this instrument is equipped with the Touch Response feature that lets you dynamically and expressively control the level of the Voices according to your playing strength.

### 1 Press the [FUNCTION] button several times until "TouchRes" (Function 006) appears.

After a few seconds, the current Touch Response appears.



### 2 Use the number buttons [1]–[4] or [+]/[-] buttons to select a Touch Response setting between 1 and 4.

#### Touch Response

1	Soft	Produces relatively high volume even with light playing strength. Best for players with a light touch who want to maintain a consistent, relatively loud volume.
2	Medium	Produces a fairly "standard" keyboard response.
3	Hard	The keys must be played very strongly to generate loud volume. This setting is best for a wide dynamic range and optimum expressive control of the sound, from pianissimo to fortissimo.
4	Fixed	All notes are produced at the same volume no matter how hard the keyboard is played.

## Playing with enhanced, more spacious sound (Ultra-Wide Stereo)

You can play the keyboard with a spacious, wider sound effect that gives you the sensation of hearing the sound outside of the speakers by turning on the Ultra-Wide Stereo effect.

### 1 Press the [ULTRA-WIDE STEREO] button to turn it on.

The sound will expand around you—as if the speaker position is outside of the instrument.



### 2 Press the [ULTRA-WIDE STEREO] button again to turn it off.



Appears when Ultra-Wide Stereo is on.

#### To select the Ultra-Wide Stereo type:

Press the [FUNCTION] button several times to call up "Wide" (Function 014; page 33), then use the number buttons.

## Applying Effects to the Sound

This instrument can apply various effects as listed below to the instrument's sound.

#### Reverb

Adds the ambience of a club or concert hall to the sound. Although the best-suited Reverb type is called up by selecting a Song or Style, you can select another one via Function number 010 (page 33). You can also set the Reverb depth via Function number 011 (page 33).

#### Chorus

Makes the Voice sound richer, warmer and more spacious. Although the best-suited Chorus type is called up by selecting a Song or Style, you can select another one via Function number 012 (page 33). You can also set the Chorus depth via Function number 009 (page 33).



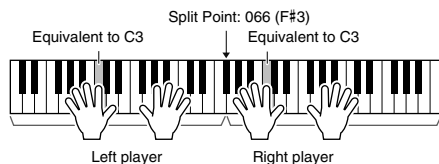
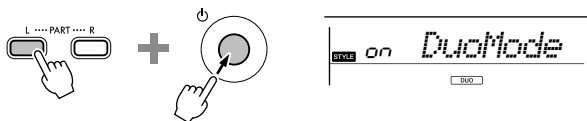
# Playing the keyboard with two persons (Duo mode)



Two different players can play the instrument simultaneously, with the same sound, over the same octave range—one person on the left and the other on the right. This is useful for learning applications, in which one person (a teacher, for example) plays a model performance and the other person watches and practices.

## 1 Press the [⏻] (Standby/On) switch while holding down the [L] button to start this instrument in the Duo mode.

“DuoMode” is shown in the display for a few seconds, and the F#3 key becomes the Split Point and the keyboard is divided into two sections: left and right.



### NOTE

- The left section and the right section of the keyboard are both set to the same Voice (except for Voice numbers 386–400).
- In the Duo mode, the Split Point cannot be changed from F#3.
- The specified Split Point key is included in the left-hand range.

## 2 One person should play the left section of the keyboard while the other plays the right section.

### Selecting a Voice

Select a Voice by executing Steps 1 and 2 in “Selecting a Voice” on page 15.

### NOTE

- When the Dual Voice (Voice number 386–400) is selected, the left section will sound only the Main Voice.
- The Lesson function cannot be used in the Duo mode.

### How sounds are output in the Duo mode

Notes played in the left section sound from the left side speaker while notes played in the right section sound from the right side speaker, in the initial Duo mode setting. This output setting can be changed from the “VoiceOut” setting (Function 015; page 33).

### NOTE

- In the Duo mode, the pan, volume and tonal characteristics of the stereo sound may differ from those in the normal mode, due to the setting of VoiceOut = “Separate” (page 33). Particularly with Drum Kits, the difference may be more obvious, since each key of a Drum Kit features a different stereo pan position.

### **Using sustain in the Duo mode**

Sustain can be applied to the left and right sections' Voices in Duo mode just as it normally is by using one of the following methods in the Duo mode like the usual mode.

- Press the [SUSTAIN] button to set "Sustain" to on.  
In this condition, sustain is always applied.
- Press the footswitch (page 31) connected to the [SUSTAIN] jack.  
Sustain is applied only when pressing the footswitch.

#### **NOTE**

- *Sustain cannot be applied independently to the left section's Voice and the right section's Voice.*

### **Style Playback in the Duo mode**

Although full Style features (accompaniment) cannot be used in the Duo mode, the rhythm part of a Style can be played back while playing the left/right sections normally.

### **Phrase recording in the Duo mode**

The notes played in the left and right sections are recorded on the same track.

- 3 To exit from the Duo mode, press the [⏻] (Standby/On) switch to turn off the power, and turn the power back on again normally.**

# Playing Songs



You can simply enjoy listening to the internal Songs, or use them with just about any of the functions, such as Lesson.

## Listening to a Demo Song

Press the [DEMO] button to play the Demo Songs in sequence.

With the default setting, when Song numbers 001 to 003 are played back in sequence and the last Song (003) is finished, playback will repeat continuously, starting again from the first Song (001). To stop playback, press the [DEMO] or [▶/■] (Start/Stop) button.



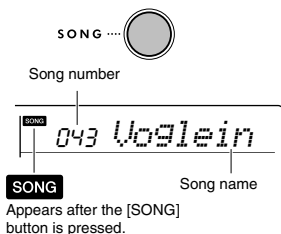
### NOTE

- Songs in the selected Demo Group (see list at right; Function 019, page 33) are played.
- You can select the next or previous Song in order by using [+] / [-] buttons while playing a Song.

## Selecting and Playing Back a Song

1 Press the [SONG] button.

2 Use the number buttons [0]–[9] or [+] / [-] buttons to select the desired Song, referring to the Song List on page 40.



3 Press the [▶/■] button to start playback.

Song playback does not repeat continuously with this operation.

To stop playback, press the [▶/■] button again.



## ● Changing the tempo

Refer to “Changing the Tempo” on page 20.

## ● Adjusting the Song Volume

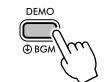
To adjust the volume balance between Song playback and keyboard, you can adjust the Song Volume. This can be set via Function number 002 (page 32).

## BGM Playback

With the default setting, pressing the [DEMO] button will play back only three internal Demo Songs repeatedly. This setting can be changed so that, for example, all internal Songs automatically play back, letting you use the instrument as a background music source.

1 Hold down the [DEMO] button for longer than a second.

“DemoGrp” (Function 019; page 33) is shown in the display for a few seconds, followed by the current repeat playback target.



Hold for longer than a second.

2 Use the [+] or [-] button to select a playback Demo Group.

Demo	Preset Songs (001–003)
Preset	All preset Songs (001–100)
User	User Song (113)

3 Press the [DEMO] button to start playback.

To stop playback, press the [DEMO] button again or press the [▶/■] button.

### NOTE

- You cannot play back a Song in the selected Demo Group repeatedly with this operation.

## ● Random Song Playback

When the Demo Group (above) is set to “Preset,” the playback order via the [DEMO] button can be changed between numerical order and random order. To do this, press the [FUNCTION] button several times until “PlayMode” (Function 020; page 33) is called up, then select “Normal” or “Random.”

## Song Fast Forward, Fast Reverse, and Pause

Like the transport controls on an audio player, this instrument lets you fast forward, fast reverse, and pause playback of the Song.

### Fast Reverse

During playback, press this button to rapidly return to an earlier point in the Song.



### Pause

During playback, press this button to pause playback, and press again to start from that point.

### Fast Forward

During playback, press this button to rapidly skip ahead to a later point in the Song.

#### NOTE

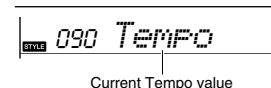
- When the A-B repeat is specified, the Fast Reverse and Fast Forward will only work within the range between A and B.
- [◀◀] (Fast Reverse), [▶▶] (Fast Forward), and [||] (Pause) buttons cannot be used during Song playback by using the [DEMO] button.

## Changing the Tempo

Press the [TEMPO/TAP] button to call up the Tempo value, then use the [-] and [+] buttons to adjust the Tempo value.



Press the [+] and [-] buttons simultaneously to reset the value to the default tempo of the current Style (page 25) or Song.



## ● Using the Tap function

While a Song or Style is playing back, press the [TEMPO/TAP] button just twice at the desired tempo to change the tempo. While Song or Style playback is stopped, tap the [TEMPO/TAP] button several times to start playback at the tapped tempo—four times for a 4-beat Song or Style or three times for a 3-beat Song or Style.



## A-B Repeat

You can play back only a specific section of a Song repeatedly by setting the A point (start point) and B point (end point) in one-measure increments.



1 Start playback of the Song (page 19).

2 When playback reaches the point you want to specify as the start point, press the [A ⇌ B] button to set the A point.



Next Page →

### 3 When playback reaches to the point you want to specify as the end point, press the [A ⇄ B] button again to set the B point.

The specified A-B section of the song will now play repeatedly.

#### NOTE

- You can also set the A-B Repeat function when the Song is stopped. Simply use the [◀◀] (Fast Reverse) and [▶▶] (Fast Forward) buttons to select the desired measures, pressing the [A ⇄ B] button for each point, then start playback.
- If you want to set the start point "A" at the top of the Song, press the [A ⇄ B] button before starting playback.
- If you want to set end point "B" to the end of the Song, specify only the A point and play back the Song to the end.

### 4 To cancel repeat playback, press the [A ⇄ B] button.

To stop playback, press the [▶/■] (Start/Stop) button.

#### NOTE

- The A-B Repeat function will be canceled when you select another Song.

## Changing the Melody Voice

You can change a Song's melody Voice to any other desired Voice.

### 1 Select a Song.

### 2 Select the desired Voice.

### 3 Hold down the [VOICE] button for longer than a second.

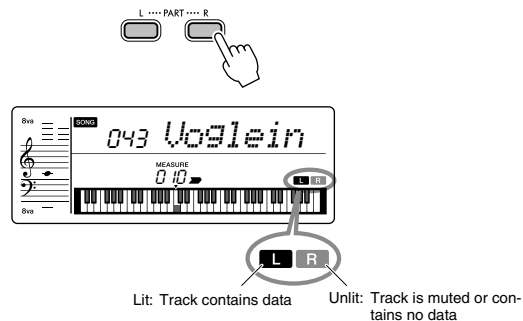
"SONG MELODY VOICE" appears in the display for a few seconds, and the selected Voice replaces the Song's original melody Voice.

#### NOTE

- Selecting another Song will cancel the changed Melody Voice.
- You cannot change the melody Voice of a User Song.

## Turning Each Part On/Off

As indicated above the panel buttons (shown below), a Song consists of two Parts, which can be turned on or off individually by pressing the corresponding button, [L] or [R].



By turning the left- and right-hand parts on or off during playback, you can listen to the Part (that is turned on), or practice the other part (that is turned off) on the keyboard.

#### NOTE

- Selecting another Song will cancel the on/off status of the Parts.

# Using the Song Lesson Feature



You can use the selected Song for a left-hand, right-hand, or both-hands lesson. Try practicing with three Song Lesson types while referring to the music scores in the Song Book (page 8).

## Listening, Timing and Waiting

### Lesson 1—Listen & Learn

In this Lesson, you need not play the keyboard. The part you selected will sound as a model. Listen to it carefully and remember it well.

### Lesson 2—Timing

In this Lesson, simply concentrate on playing the notes with the correct timing. Even if you play wrong notes, the correct notes shown in the display will sound.

### Lesson 3—Waiting

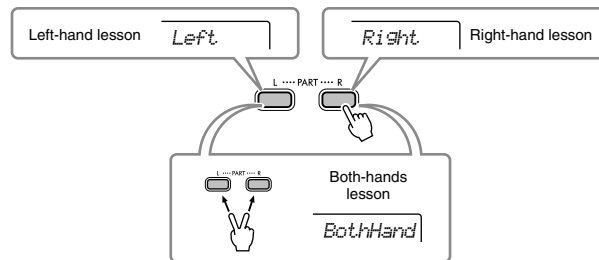
In this Lesson, try playing the correct notes shown on the display. The Song pauses until you play the right note, and playback tempo will change to match the speed at which you are playing.

#### **NOTE**

- If you want to keep a steady playback tempo maintained during Lesson 3: Waiting, set the Your Tempo parameter to OFF via the Function number 018 (page 33).

## Practicing with Song Lesson

- 1 Press the [SONG] button.
- 2 Use the number buttons [0]–[9] or [+]/[-] buttons to select a Song for your lesson, referring to the Song List on page 40.
- 3 Press either or both the [R] and [L] buttons to select the part you want to practice.

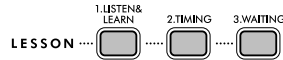


Selecting a Song from numbers 080–100 (Song category: “FAV. (Favorite) WITH STYLE”) lets you play chords with the Style function. In the left-hand or both-hands lesson, the left section of the keyboard becomes the Auto Accompaniment range, so playing chords with your left hand produces the style playback sound.

#### **NOTE**

- If you select a Song which does not contain a left-hand part, “No LPart” may appear on the display.

#### 4 Press any one of the [1.LISTEN&LEARN], [2.TIMING] or [3.WAITING] buttons to start playback of the Song Lesson.



##### **NOTE**

- During playback, you can change the Lesson mode by pressing this button, and you can stop the Lesson at any time by pressing the [▶/■] button.
- The Voice changes to "000" (One Touch Setting; page 15) during the lesson.

#### 5 When Lesson playback reaches to the end, check your evaluation Grade on the display.

"2 TIMING" and "3 WAITING" will evaluate your performance in four levels.

Excellent! ██████████  
 Very Good! ████████  
 Good ██████  
 OK ████

After the evaluation display has appeared, the lesson will start again from the beginning.

##### **NOTE**

- When the melody Voice of the Song is changed, the key position shown in the display may be shifted (in octave units), depending on the selected Voice.

#### 6 Stop the Lesson mode.

You can stop the Lesson mode at any time by pressing the [▶/■] (Start/Stop) button.

# Hearing and Experiencing the Sound of the Chords (Chord Study)

You can hear and experience the sound of the chords used in a typical performance by playing back Song numbers 101 to 112 (in the “Chord Study” category). Song numbers 101 to 107 are very simple songs consisting of a single chord (C, Dm, Em, F, G, Am, Bm; respectively) played in various positions, letting you listen to and master the chords one by one. On the other hand, Song numbers 108 to 112 consist of several chords strung together in a pattern, for experiencing and understanding basic chord progressions. Hear and experience the sound of simple chords and progressions by playing back these Songs, and play the keyboard while following along with the music notation and key/chord indications shown in the display.

## Hear and experience a sound of a single chord

- 1 Press the [SONG] button.
- 2 Use the number buttons to select a Song from Song numbers 101–107 in the “CHORD STUDY” category (page 40).
- 3 Press the [▶/■] (Start/Stop) button to play back the selected Song.
- 4 **Play the keyboard while looking at the notes shown on the display.**

If you find it difficult for you to play the notes, use the Waiting function (page 22) by pressing the [3.WAITING] button.



### **NOTE**

- You cannot play more than 32 notes on this keyboard. When playing the keyboard while playing a Song, if some notes do not sound, you should turn off any parts you don't intend to have played back.

## Hear and experience basic chord progressions

- 1 Select a Song from Song numbers 108 to 112 by pressing the number buttons.
- 2 Press the [▶/■] button to play back the selected Song.
- 3 **Play the keyboard while looking at the notes shown on the display.**

Listen to the basic chord progression, and play along with the Song repeatedly until you can smoothly perform and play along with the chord changes. If you find it difficult for you to play the notes, use the Waiting function (page 22) by pressing the [3.WAITING] button.



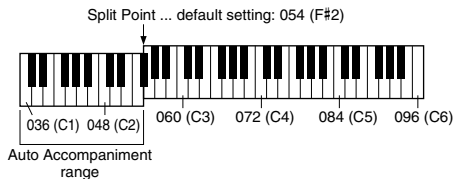
# Playing Rhythm and Accompaniment (Styles)



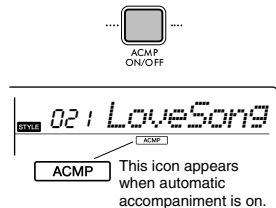
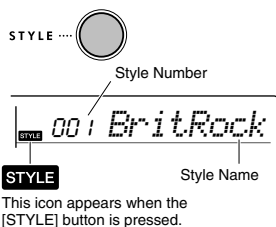
This instrument includes the Auto Accompaniment feature that automatically plays appropriate “Styles” (rhythm + bass + chord accompaniment), controlled simply playing chords with your left hand. You can select from a huge variety of Styles covering a wide range of musical genres.

- 1 Press the [STYLE] button.
- 2 Use the number buttons [0]–[9] or [+]/[-] buttons to select the desired Style, referring to the Style List on page 41.
- 3 Press the [ACMP ON/OFF] button to turn on the Auto Accompaniment.

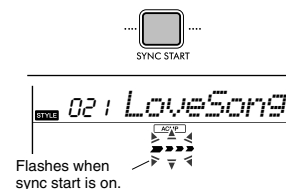
With this operation, the area of the keyboard to the left of the Split Point (054: F#2) becomes the “Auto Accompaniment range” and is used only for specifying the chords.



The highest key for the Auto Accompaniment range is referred to as the “Split Point,” which can be changed from the default of F#2 via Function number 005 (page 32).



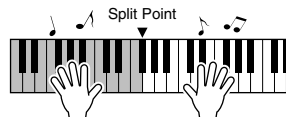
- 4 Press the [SYNC START] button to turn Synchro Start on.



- 5 Play a chord in the Auto Accompaniment range to start playback.

Play a melody with the right hand and chords with the left hand.

For information about chords, refer to “Chord Types for Style Playback” (page 27).



- 6 Press the [START/STOP] button to stop playback.

You can add intro, ending and rhythm variations to Style playback by using “Sections.” For details, refer to page 26.



## To play back the rhythm part only

If you press the [START/STOP] button (without pressing the [ACMP ON/OFF] button in step 3), only the rhythm part can be played back, and you can play a melody performance using the entire keyboard range.

### NOTE

- Since the PIANIST category Styles (123–130) have no rhythm parts, no sound will be produced if you start rhythm-only playback. When playing these Styles, make sure to carry out Steps 3–5 on this page.

Next Page →

### ● Adjusting the Style Volume

To adjust the volume balance between Style playback and keyboard, you can adjust the Style Volume. This can be set via Function number 001 (page 32).

### ● Changing the tempo

Refer to “Changing the Tempo” on page 20.

## Style Variations

Each Style consists of the Sections below that allow you to vary the arrangement of the accompaniment to match the song you are playing. These instructions cover a typical example for using the Sections.



#### INTRO

This is used for the beginning of the Song. When the Intro finishes, Style Playback shifts to the Main section.

#### MAIN

This is used for playing the main part of the Song. Playback of the Main section repeats indefinitely until another Section's button is pressed. There are two variations (A and B), and the Style playback sound changes harmonically in response on the chords you play with your left hand.

#### AUTO FILL

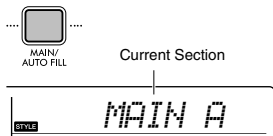
This is the short phrase (fill-in) automatically added before changing to Main A or B.

#### ENDING

This is used for the ending of the Song. When the Ending finishes, the Style playback stops automatically.

1 Same as Steps 1–4 in page 25.

2 Press the [MAIN/AUTO FILL] button to select Main A or Main B.



3 Press the [INTRO/ENDING/rit.] button.

Now, you're ready to start Style playback of the Intro and then the Main A (or B) section.



4 Play a chord with your left hand to start playback of the Intro.

For this example, play a C major chord (as shown below). For information on how to enter chords, see “Chord Types for Style Playback” on page 27.

Split Point ... default setting: 054 (F#2)



5 After the Intro finishes, play the keyboard according to the progression of the Song you are playing.

Play chords with your left hand while playing melodies with your right hand, and press the [MAIN/AUTO FILL] button as necessary. The Section will change to Fill-in then Main A or B.



6 Press the [INTRO/ENDING/rit.] button.

The Section switches to the Ending. When the Ending is finished, Style playback stops automatically. You can have the Ending gradually slow down (ritardando) by pressing the [INTRO/ENDING/rit.] button again while the Ending is playing back.



## Chord Types for Style Playback

For users who are new to chords, this chart conveniently shows how to play common chords in the Auto Accompaniment range of the keyboard. Since there are many useful chords and many different ways to use them musically, refer to commercially available chord books for further details.

★ indicates the root note.

Major	Minor	Seventh	Minor Seventh	Major Seventh
<b>C</b> 	<b>Cm</b> 	<b>C7</b> 	<b>Cm7</b> 	<b>CM7</b> 
<b>D</b> 	<b>Dm</b> 	<b>D7</b> 	<b>Dm7</b> 	<b>DM7</b> 
<b>E</b> 	<b>Em</b> 	<b>E7</b> 	<b>Em7</b> 	<b>EM7</b> 
<b>F</b> 	<b>Fm</b> 	<b>F7</b> 	<b>Fm7</b> 	<b>FM7</b> 
<b>G</b> 	<b>Gm</b> 	<b>G7</b> 	<b>Gm7</b> 	<b>GM7</b> 
<b>A</b> 	<b>Am</b> 	<b>A7</b> 	<b>Am7</b> 	<b>AM7</b> 
<b>B</b> 	<b>Bm</b> 	<b>B7</b> 	<b>Bm7</b> 	<b>BM7</b> 

- Inversions can be used as well as in “root” position—with the following exceptions:  
m7, m7♭5, m7(11), 6, m6, sus4, aug, dim7, 7♭5, 6(9), sus2
- Inversions of the 7sus4 chords are not recognized if the notes are omitted.
- Sus2 chords are indicated by the root name only.
- When playing a chord which cannot be recognized by this instrument, nothing is shown on the display. In such a case, only the rhythm and bass parts will be played.

### Easy Chords

This method lets you easily play chords in the accompaniment range of the keyboard using only one, two, or three fingers.

For root “C”



**To play a major chord**

Press the root note (★) of the chord.



**To play a minor chord**

Press the root note together with the nearest black key to the left of it.



**To play a seventh chord**

Press the root note together with the nearest white key to the left of it.



**To play a minor seventh chord**

Press the root note together with the nearest white and black keys to the left of it (three keys altogether).

# Recording Your Performance (Phrase Recording)



You can record your performance as a User Song (Song number 113), which can then be played back on the instrument. The recorded User Song can be played back in the same way as the preset Songs.

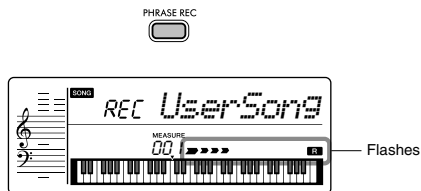
## NOTE

- A total of approximately 300 notes can be recorded to the User Song.

### 1 Select the desired Voice.

Apply sustain (pages 16, 31) or effect (page 16) to the sound as desired before starting recording.

### 2 Press the [PHRASE REC] button to enable the Record mode. "UserSong" appears on the display.



To exit from the Record mode, press the [PHRASE REC] button again. (The display stops flashing.)

## NOTICE

- If the User Song is recorded, the data will be recorded over and erased (you will record over and erase previous data in "User Song").

### 3 Play the keyboard to start recording.

## NOTICE

- Never attempt to turn the power off or connect or disconnect the AC adaptor. Doing so can result in a loss of data.

## NOTE

- When recording capacity becomes full during recording, a "Mem Full" message appears on the display, recording is stopped, and the Song select display is shown.
- If you press the [▶/■] button, even if you don't play the keyboard, recording starts.

## Limitations while recording:

- The following settings/operations cannot be recorded: Reverb Level, Style, playback sound on the connected external audio device, metronome click, Transpose, Tuning.
- The following settings and buttons are not available, or if operated, the new settings cannot be recorded:
  - Split Point, Reverb Type, Chorus Type, [FUNCTION] button, [PORTABLE GRAND] button.

### 4 Press the [▶/■] (Start/Stop) button to stop recording.

### 5 To play back the recorded Song, press the [▶/■] button.

## NOTE

- If you make a mistake or want to erase an existing Song, you can delete the User Song. To do this, enable the Record mode in step 2, and then press the [▶/■] button twice in succession (without playing the keyboard).

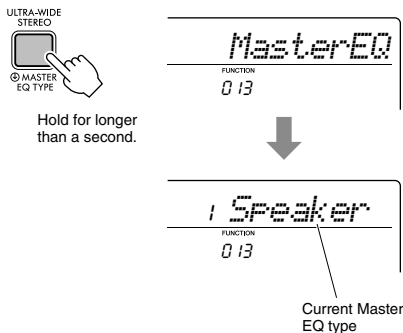
# Selecting an EQ Setting for the Desired Sound



Six different master equalizer (EQ) settings give you tools to create the desired sound when listening through different reproduction systems—the instrument’s internal speakers, headphones, or an external speaker system.

- 1 Hold down the [ULTRA-WIDE STEREO] button for longer than a second to call up “013 MasterEQ” (Function 013; page 33).

“MasterEQ” is shown in the display for a few seconds, and the current Master EQ type appears.



- 2 Use the [+] or [-] button to select the desired Master EQ type.

## Master EQ types

1	Speaker	Optimum for listening via the instrument's built-in speakers.
2	Headphone	Optimum for headphones, or for listening via external speakers.
3	Boost	Features more powerful sound. When selecting this type, there are some Voices or Styles that may easily distort.
4	Piano	Optimum for piano solo performance.
5	Bright	Lowers the mid range for a brighter sound.
6	Mild	Lowers the high range for a softer sound.

- 3 To exit the Master EQ setting display, press one of these buttons: [SONG], [VOICE] or [STYLE].

# Connecting to Other Devices



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

You can output the sound of an external audio device, such as a portable music player, with the built-in speakers of this instrument by connecting it via a cable. This lets you play the keyboard along with playback of your music player.

1 Turn off the power for both the external audio device and this instrument.

2 Connect the audio device to the instrument's [AUX IN] jack.

Use an audio cable with no resistance having a stereo-mini plug on one side for connecting to this instrument, and a proper plug to match the output jack of the external audio device on the other side.

3 Turn on the external audio device, then this instrument.

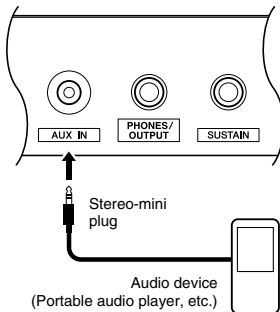
4 Play back the connected external audio device.

The sound of the audio device is output through the speakers of this instrument.

5 Adjust the volume balance between the external audio device and this instrument.

If possible, adjust the playback level of the external audio device first, to achieve optimum balance.

6 Play the keyboard along with the sound of the audio device.



7 After finishing the performance, stop playback of the audio device.

### CAUTION

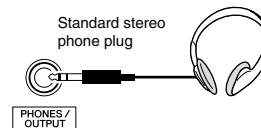
- Before connecting, turn off the power of both this instrument and the external audio device. Also, before turning the power on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the devices, electrical shock, or even permanent hearing loss may occur.

### NOTICE

- After connecting, first turn on the power to the external audio device then to this instrument. Reverse this order when you turn the power off.

## 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, keyboard amplifier, 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.



### CAUTION

- Do not use the instrument 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

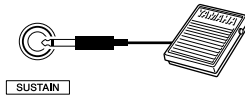
- To avoid possible damage to the external device, first turn on the power to the instrument, then to the external device. When turning off the power, do so in reverse order: first turn off the power to the external device, then to the instrument.

# Backup and Initialization



## Using a Pedal (Sustain)

You can produce a natural sustain as you play by pressing a footswitch (FC5 or FC4A; sold separately) plugged into the [SUSTAIN] jack.



### NOTE

- Plug or unplug the footswitch while the power is off. Also, do not press the footswitch when turning the power on. Doing so changes the polarity of the footswitch, resulting in reversed operation.
- There are some Voices to which sustain is not applied.
- The sustain function does not affect style (automatic accompaniment; page 25).
- Some voices may sound continuously or have a long decay after the notes have been released while the footswitch is held.

## Backup Parameters

The following Backup parameters will be maintained even if the power is turned off.

### Backup parameters

- User Songs (page 28)
- FUNCTION Settings: (page 32)
  - Tuning, Your Tempo, Master EQ type, Touch Response, Auto Power Off, Battery Type

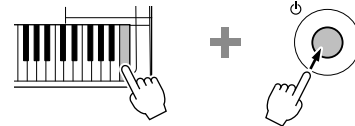
### NOTICE

Note that the following situations cannot back up or maintain the settings of the Backup parameters.

- When the AC adaptor is unplugged with the power on (even if batteries are installed):
- When the power is turned off due to accidents such as electric power failure:
- When the Alkaline battery/Manganese battery runs down (without connecting the AC adaptor):

## Initialization

You can initialize the backup data via the following method. While holding down the highest white key, press the [⏻] (Standby/On) switch to turn the power on.



# The Functions

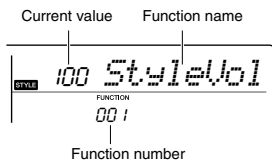


The Functions settings provide access to a range of detailed instrument parameters such as Tuning, Split Point, Voices and Effects.

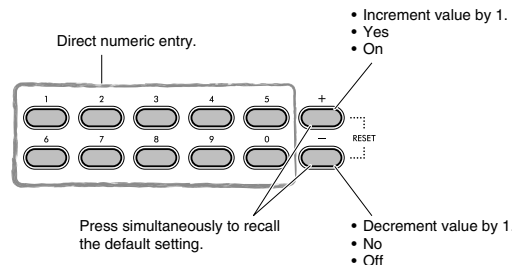
## 1 Press the [FUNCTION] button several times until the desired item appears.

Each time the [FUNCTION] button is pressed, the Function number increases one by one. To decrease the Function number by one, simultaneously hold down the [FUNCTION] button and press the [-] button briefly. Simply pressing only the [+] or [-] button does not change the Function number.

After a few seconds, the Function name may be replaced with the setting value depending on the selected Function.



## 2 Set the value by using the number buttons [0]–[9] or [+] / [-] buttons.



## 3 To exit the Function settings, press one of these buttons: [SONG], [VOICE] or [STYLE].

### NOTE

- The Function number does not appear in the display during Song, Style or metronome playback. The beat value appears instead.

### Function List

Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
<b>Volume</b>					
001	Style Volume	StyleVol	000–127	100	Determines the volume of the Style (page 26).
002	Song Volume	SongVol	000–127	100	Determines the volume of the Song (page 19).
<b>Overall</b>					
003	Transpose	TransPos	-12–12	0	Determines the pitch of the instrument in semitone increments.
004	Tuning	Tuning	427.0Hz–453.0Hz	440.0Hz	Determines the fine tuning of the pitch of the entire instrument in approx. 0.2Hz increments.
005	Split Point	SPlitPnt	036–096 (C1–C6)	54 (F#2)	Determines the Split “point”—in other words, the key that separates the auto accompaniment range and Voice.
006	Touch Response	TouchRes	1 (Soft), 2 (Medium), 3 (Hard), 4 (Fixed)	2 (Medium)	Determines the Touch Response (page 16).



Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
<b>Voice (page 15)</b>					
007	Volume	<i>H. Volume</i>	000–127	*	Adjusts the volume of keyboard performance when performing along with a Song or a Style.
008	Octave	<i>H. Octave</i>	-2 – +2	*	Determines the octave range for the Voice.
009	Chorus Depth	<i>H. Chorus</i>	000–127	*	Determines how much of the Voice's signal is sent to the Chorus effect.
<b>Effects</b>					
010	Reverb Type	<i>Reverb</i>	1–3 (Hall 1–3), 4–5 (Room 1–2), 6–7 (Stage 1–2), 8–9 (Plate 1–2), 10 (Off)	**	Determines the Reverb type, including off (10). (page 42)
011	Reverb Level	<i>ReverLevel</i>	000–127	64	Determines how much of the Voice's signal is sent to the Reverb effect.
012	Chorus Type	<i>Chorus</i>	1 (Chorus1), 2 (Chorus2), 3 (Chorus3), 4 (Flanger1), 5 (Flanger2), 6 (Off)	**	Determines the Chorus type, including off (6). (page 42)
013	Master EQ Type	<i>MasterEQ</i>	1 (Speaker), 2 (Headphone), 3 (Boost), 4 (Piano), 5 (Bright), 6 (Mild)	1 (Speaker)	Sets the equalizer applied to the speaker output for optimum sound in different listening situations (page 29).
014	Wide Type	<i>Wide</i>	1 (Wide1), 2 (Wide2), 3 (Wide3)	2 (Wide2)	Determines the Ultra-Wide Stereo type. Higher values produce a greater Wide effect (page 16).
015	Voice Output	<i>VoiceOut</i>	1 (Normal), 2 (Separate)	2 (Separate)	When the Duo mode (page 17) is on, this function is effective. If "Normal" is selected, the performance sounds of the left section and the right section will sound from both the left and right speakers. If "Separate" is selected, the performance sound of the left section will sound from the left speaker, and the performance sound of the right section will sound from the right speaker.
<b>Metronome (page 15)</b>					
016	Time Signature Numerator	<i>TimeSig</i>	00–15	**	Determines the time signature of the Metronome.
017	Metronome Volume	<i>MetroVol</i>	000–127	100	Determines the volume of the Metronome.
<b>Lesson (page 22)</b>					
018	Your Tempo	<i>YourTemp</i>	ON/OFF	ON	This parameter is for the Lesson 3 "Waiting." When set to ON, playback tempo will change for matching the speed you are playing at. When set to OFF, playback tempo will be maintained regardless of the speed you are playing at.
<b>Demo (page 19)</b>					
019	Demo Group	<i>DemoGrp</i>	1 (Demo), 2 (Preset), 3 (User)	1 (Demo)	Determines the repeat playback group.
020	Demo Play Mode	<i>PlayMode</i>	1 (Normal), 2 (Random)	1 (Normal)	Determines the repeat playback mode.
<b>Auto Power Off (page 13)</b>					
021	Auto Power Off Time	<i>AutoOff</i>	OFF, 5/10/15/30/60/120 (minutes)	30 minutes	Specifies the time that will elapse before the instrument's power is automatically turned off.
<b>Battery (page 12)</b>					
022	Battery Type	<i>Battery</i>	1 (Alkaline), 2 (Ni-MH)	1 (Alkaline)	Selects the type of batteries you have installed to this instrument. Alkaline: Alkaline battery/manganese battery Ni-MH: Rechargeable battery

\* The appropriate value is automatically set for each Voice combination.

\*\* The appropriate value is automatically set for each Song or Style.

# 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.
Noise is heard from the instrument's speakers.	Noise may be heard if a mobile phone is used near the instrument or if the phone is ringing. 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 app on the smart device such as smartphone or tablet.	When you use the instrument along with the app on your smart device, we recommend that you enable "Airplane Mode" on that device in order to avoid noise caused by communication.
There is no sound even when the keyboard is played or when a song or style is being played back.	Check that nothing is connected to the [PHONES/OUTPUT] jack on the rear panel. When a set of headphones is plugged into this jack, no sound is output.
Not all of the voices seem to sound, or the sound seems to be cut off.	The instrument is polyphonic up to a maximum of 32 notes. If a style or Song is playing back at the same time, some notes/sounds may be omitted (or "stolen") from the accompaniment or Song.
The ACMP ON indicator does not appear when the [ACMP ON/OFF] button is pressed.	<ul style="list-style-type: none"> <li>• Always press the [STYLE] button first when you are going to use any Style-related function.</li> <li>• The ACMP ON indicator does not appear when the Duo mode is on.</li> </ul>
The Style does not sound properly.	<p>Make sure that the Style Volume (page 32 Function 001) is set to an appropriate level.</p> <ul style="list-style-type: none"> <li>• Is the Split Point set to an appropriate key for the chords you are playing? Set the Split Point to an appropriate key (page 32 Function 005).</li> <li>• Is the "ACMP ON" indicator showing in the display? If it is not showing, press the [ACMP ON/OFF] button so that it does show.</li> </ul>

Problem	Possible Cause and Solution
The Style does not sound as you play a chord.	<ul style="list-style-type: none"> <li>• The auto accompaniment will sometimes not change when related chords are played in sequence (e.g., some minor chords followed by the minor seventh).</li> <li>• Two-note fingerings will produce a chord based on the previously played chord.</li> <li>• Playing two same root keys in the adjacent octaves produces accompaniment based only on the root.</li> </ul>
The footswitch (for sustain) seems to produce the opposite effect. For example, pressing the footswitch cuts off the sound and releasing it sustains the sounds.	The polarity of the footswitch is reversed. Make sure that the footswitch plug is properly connected to the [SUSTAIN] jack before turning on the power.
The sound of the voice changes from note to note.	This is normal. The AWM tone generation method uses multiple recordings (samples) of an instrument across the range of the keyboard; thus, the actual sound of the voice may be slightly different from note to note.
<ul style="list-style-type: none"> <li>• The volume is too soft.</li> <li>• The sound quality is poor.</li> <li>• The rhythm stops unexpectedly or will not play.</li> <li>• The recorded data of the song, etc. does not play correctly.</li> <li>• The LCD display suddenly goes dark, and all panel settings are reset.</li> </ul>	The batteries are low or dead. Replace all six batteries with completely new ones, or use the included AC adaptor.
Power suddenly and unexpectedly turns off.	This is normal and the Auto Power Off function may have been activated (page 13). If you need to disable the Auto Power Off function, select "Off" in the Function settings (Function 021; page 33).
When the instrument is turned on, power is turned off suddenly and unexpectedly.	This is normal. If an AC adaptor other than the one specified is used, power may be turned off suddenly and unexpectedly.

# Specifications



<b>Product Name</b>		Digital Keyboard	
<b>Size/Weight</b>	<b>Dimensions (W x D x H)</b>		940 mm x 316 mm x 100 mm (37" x 12-1/2" x 3-15/16")
	<b>Weight</b>		4.0 kg (not including batteries) (8lb 13oz)
<b>Control Interface</b>	<b>Keyboard</b>	<b>Number of Keys</b>	61
		<b>Touch Response</b>	Hard, Medium, Soft, Fixed
	<b>Display</b>	<b>Type</b>	LCD display
		<b>Language</b>	English
<b>Panel</b>	<b>Language</b>	English	
<b>Voices</b>	<b>Tone Generation</b>	<b>Tone Generation Technology</b>	AWM Stereo Sampling
	<b>Polyphony</b>	<b>Number of Polyphony (max.)</b>	32
	<b>Preset</b>	<b>Number of Voices</b>	384 Voices + 16 drum/SFX kits
	<b>Effects</b>	<b>Types</b>	<b>Reverb</b>
<b>Chorus</b>			5 types
<b>Master EQ</b>			6 types
		<b>Ultra-Wide Stereo</b>	3 types
<b>Functions</b>	<b>Panel Sustain</b>	Yes	
<b>Accompaniment Styles</b>	<b>Preset</b>	<b>Number of Styles</b>	130
		<b>Fingering</b>	Multi finger
	<b>Style Control</b>	ACMP ON/OFF, SYNC START, START/STOP, INTRO/ENDING/rit, MAIN/AUTO FILL	
<b>Other Features</b>	<b>One Touch Setting (OTS)</b>	Yes	
<b>Songs</b> (Audio not supported.)	<b>Preset</b>	<b>Number of Preset Songs</b>	112 (including Chord Study: 12)
	<b>Recording</b>	<b>Number of Songs</b>	1
		<b>Number of Tracks</b>	1
		<b>Data Capacity</b>	Approx. 300 notes
		<b>Compatible Data Format</b>	Original File Format

<b>Function</b>	<b>Lesson</b>	<b>Yamaha Education Suite (YES)</b>	[1.LISTEN&LEARN], [2.TIMING], [3.WAITING], [A ≠ B] (A-B Repeat)
	<b>Overall Controls</b>	<b>Metronome</b>	Yes
		<b>Tempo Range</b>	11–280
		<b>Transpose</b>	-12 to 0, 0 to +12
		<b>Tuning</b>	427.0–440.0–453.0 Hz (approx. 0.2Hz increments)
	<b>Duo</b>	Yes	
	<b>Miscellaneous</b>	<b>PIANO Button</b>	Yes ([PORTABLE GRAND] button)
<b>Connectivity</b>	<b>DC IN</b>		12 V
	<b>Headphones/Output</b>		Standard stereo phone jack (PHONES/OUTPUT) x 1
	<b>Sustain Pedal</b>		Yes
	<b>AUX IN</b>		Stereo mini jack x 1
<b>Sound System</b>	<b>Amplifiers</b>		2.5 W + 2.5 W
	<b>Speakers</b>		12 cm x 2
<b>Power Supply</b>	<b>Power Supply</b>	<b>AC Adaptor</b>	PA-130 or an equivalent recommended by Yamaha
		<b>Batteries</b>	Six 1.5 V "AA" size alkaline (LR6), manganese (R6) or six 1.2 V "AA" size Ni-MH rechargeable batteries (HR6)
	<b>Power Consumption</b>		6 W (When using PA-130 AC adaptor)
	<b>Auto Power Off</b>		Yes
	<b>Included Accessories</b>		
<b>Separately Sold Accessories</b> (May not be available depending on your area.)			<ul style="list-style-type: none"> <li>• AC adaptor: Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha</li> <li>• Others: PA-3C, PA-130 or an equivalent</li> <li>• Keyboard stand: L-2C</li> <li>• Headphones: HPH-50/HPH-100/HPH-150</li> <li>• Footswitch: FC4A/FC5</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.



# Voice List



## Maximum Polyphony

The instrument has 32-note maximum polyphony. This means that it can play a maximum of up to 32 notes at once, regardless of what functions are used. Auto accompaniment uses a number of the available notes, so when auto accompaniment is used the total number of available notes for playing on the keyboard is correspondingly reduced. The same applies to the Song functions. If the maximum polyphony is exceeded, earlier played notes will be cut off and the most recent notes have priority (last note priority).

Voice No.	Voice Name
<b>PIANO</b>	
1	Grand Piano
2	Mono Grand Piano
3	Bright Piano
4	Mellow Piano
5	Honky Tonk Piano
6	Piano Strings
7	Dream
8	Harpsichord 1
9	Harpsichord 2
<b>E.PIANO</b>	
10	Electric Piano 1
11	Electric Piano 2
12	Electric Piano 3
13	Electric Grand Piano
14	Chorus Electric Piano 1
15	Chorus Electric Piano 2
16	Detuned Electric Piano
17	DX + Analog Electric Piano
18	Clavi
19	Wah Clavi
<b>ORGAN</b>	
20	Drawbar Organ 1
21	Drawbar Organ 2
22	60s Drawbar Organ 1
23	60s Drawbar Organ 2
24	60s Drawbar Organ 3
25	70s Drawbar Organ 1
26	70s Drawbar Organ 2
27	Detuned Drawbar Organ
28	Percussive Organ 1

Voice No.	Voice Name
29	Percussive Organ 2
30	70s Percussive Organ
31	Detuned Percussive Organ
32	16+2'2/3 Organ
33	Organ Bass
34	Rock Organ
35	Rotary Organ
36	Slow Rotary Organ
37	Fast Rotary Organ
38	Pipe Organ 1
39	Pipe Organ 2
40	Pipe Organ 3
41	Organ Flute
42	Tremolo Organ Flute
43	Notre Dame
44	Cheezy Organ
45	Light Organ
46	Reed Organ
47	Puff Organ
<b>ACCORDION</b>	
48	Accordion
49	Tango Accordion 1
50	Tango Accordion 2
51	Harmonica 1
52	Harmonica 2
<b>GUITAR</b>	
53	Nylon Guitar
54	Steel Guitar
55	Nylon & Steel Guitar
56	Steel Guitar with Body Sound

Voice No.	Voice Name
57	Muted Steel Guitar
58	12-string Guitar
59	Jazz Guitar
60	Jazz Amp
61	Jazz Man
62	Clean Guitar
63	Chorus Guitar
64	Funk Guitar
65	Guitar Pinch
66	Muted Guitar
67	Overdriven Guitar
68	Distortion Guitar
69	Feedback Guitar 1
70	Feedback Guitar 2
71	Guitar Feedback
72	Guitar Harmonics 1
73	Guitar Harmonics 2
74	Guitar Harmonics 3
<b>BASS</b>	
75	Acoustic Bass 1
76	Acoustic Bass 2
77	Finger Bass 1
78	Finger Bass 2
79	Finger Bass Dark
80	Finger Slap Bass
81	Pick Bass
82	Fretless Bass 1
83	Fretless Bass 2
84	Fretless Bass 3
85	Fretless Bass 4
86	Slap Bass 1
87	Slap Bass 2

Voice No.	Voice Name
88	Slap Bass 3
89	Jazz Rhythm
90	Bass & Distorted Electric Guitar
91	Muted Pick Bass
92	Modulated Bass
93	Punch Thumb Bass
94	Synth Bass 1
95	Synth Bass 2
96	Synth Bass 2 Dark
97	Techno Synth Bass
98	Mellow Synth Bass
99	Sequenced Bass
100	Click Synth Bass
101	Modular Synth Bass
102	DX Bass
<b>STRINGS</b>	
103	Strings 1
104	Strings 2
105	Strings 3
106	Slow Strings
107	Stereo Strings
108	Stereo Slow Strings
109	Orchestra 1
110	Orchestra 2
111	60s Strings
112	Suspense Strings
113	Legato Strings
114	Warm Strings
115	Kingdom
116	Tremolo Strings
117	Slow Tremolo Strings

Voice No.	Voice Name
118	Tremolo Orchestra
119	Pizzicato Strings
120	Violin
121	Soft Violin
122	Viola
123	Cello
124	Contrabass
125	Orchestral Harp
126	Synth Strings 1
127	Synth Strings 2
128	Orchestra Hit 1
129	Orchestra Hit 2
130	Impact
<b>CHOIR</b>	
131	Choir Aahs
132	Voice Oohs
133	Stereo Choir
134	Mellow Choir
135	Choir Strings
136	Synth Voice 1
137	Synth Voice 2
138	Choral
139	Analog Voice
<b>BRASS</b>	
140	Brass Section
141	Synth Brass 1
142	Synth Brass 2
143	Soft Brass
144	Resonant Synth Brass
145	Choir Brass
146	Trumpet
147	Warm Trumpet

# Voice List

Voice No.	Voice Name
148	Muted Trumpet
149	Trombone 1
150	Trombone 2
151	Trumpet & Trombone Section
152	French Horn 1
153	French Horn 2
154	French Horn Solo
155	Horn Orchestra
156	Tuba
<b>WOODWIND</b>	
157	Tenor Sax
158	Breathy Tenor Sax
159	Alto Sax
160	Soprano Sax
161	Baritone Sax
162	Sax Section
163	Clarinet
164	Oboe
165	English Horn
166	Bassoon
167	Flute
168	Piccolo
169	Pan Flute
170	Recorder
171	Blown Bottle
172	Shakuhachi
173	Whistle
174	Ocarina
<b>SYNTH</b>	
175	Square Lead 1
176	Square Lead 2
177	LM Square
178	Sawtooth Lead 1
179	Sawtooth Lead 2
180	Thick Sawtooth
181	Dynamic Sawtooth
182	Digital Sawtooth
183	Fargo

Voice No.	Voice Name
184	Funky Lead
185	Sine Lead
186	Solo Sine
187	Calliope Lead
188	Chiff Lead
189	Charang Lead
190	Voice Lead
191	Fifths Lead
192	Bass & Lead
193	Hollow
194	Shroud
195	Mellow
196	Big Lead
197	Sequenced Analog
198	Pure Lead
199	Distorted Lead
200	Big Five
201	Big & Low
202	Fat & Perky
203	New Age Pad
204	Fantasy
205	Warm Pad
206	Poly Synth Pad
207	Equinox
208	Choir Pad
209	Bowed Pad
210	Metallic Pad
211	Halo Pad
212	Sweep Pad
213	Soft Whirl
214	Itopia
215	Rain
216	Sound Track
217	Crystal
218	Atmosphere
219	Brightness
220	Goblins
221	Echoes
222	Sci-Fi

Voice No.	Voice Name
223	African Wind
224	Carib
225	Prologue
226	Synth Drum Comp
227	Popcorn
228	Tiny Bells
229	Round Glockenspiel
230	Glockenspiel Chimes
231	Clear Bells
232	Chorus Bells
233	Soft Crystal
234	Air Bells
235	Warm Atmosphere
236	Hollow Release
237	Nylon Electric Piano
238	Nylon Harp
239	Harp Vox
240	Atmosphere Pad
241	Goblins Synth
242	Creeper
243	Ritual
244	To Heaven
245	Night
246	Glisten
247	Bell Choir
248	Bell Harp
<b>WORLD</b>	
249	Banjo
250	Muted Banjo
251	Fiddle
252	Bagpipe
253	Dulcimer 1
254	Dulcimer 2
255	Cimbalom
256	Santur
257	Kanoon
258	Qud
259	Rabab
260	Kalimba

Voice No.	Voice Name
261	Harmonium 1 (Single Reed)
262	Harmonium 2 (Double Reed)
263	Harmonium 3 (Triple Reed)
264	Tanpura
265	Sitar 1
266	Sitar 2
267	Detuned Sitar
268	Pungi
269	Shehnai
270	Gopichant
271	Tabla
272	Er Hu
273	Di Zi
274	Pi Pa
275	Gu Zheng
276	Yang Qin
277	Shamisen
278	Koto
279	Taisho-kin
280	Mandolin
281	Ukulele
282	Bonang
283	Altair
284	Gamelan Gongs
285	Stereo Gamelan Gongs
286	Rama Cymbal
287	Thai Bells
<b>PERCUSSION</b>	
288	Vibraphone
289	Soft Vibraphone
290	Marimba
291	Soft Marimba
292	Sine Marimba
293	Balimba
294	Log Drums
295	Xylophone

Voice No.	Voice Name
296	Steel Drums
297	Celesta
298	Music Box 1
299	Music Box 2
300	Church Bells
301	Carillon
302	Tubular Bells
303	Timpani
304	Glockenspiel
305	Tinkle Bell
306	Agogo
307	Woodblock
308	Castanets
309	Melodic Tom 1
310	Melodic Tom 2
311	Real Tom
312	Rock Tom
313	Electronic Percussion
314	Analog Tom
315	Synth Drum
316	Taiko Drum
317	Gran Cassa
318	Gamelimba
319	Glass Percussion
320	Reverse Cymbal
<b>DRUM KIT</b>	
321	Standard Kit 1
322	Standard Kit 2
323	Room Kit
324	Rock Kit
325	Electronic Kit
326	Analog Kit
327	Dance Kit
328	Jazz Kit
329	Brush Kit
330	Symphony Kit
331	China Kit
332	Indian Kit
333	Arabic Kit

Voice No.	Voice Name
334	SFX Kit 1
335	SFX Kit 2
336	Sound Effect Kit
337	Fret Noise
338	Breath Noise
339	Cutting Noise 1
340	Cutting Noise 2
341	String Slap
342	Flute Key Click
343	Bird Tweet 1
344	Bird Tweet 2
345	Telephone Ring 1
346	Telephone Ring 2
347	Phone Call
348	Shower
349	Thunder
350	Wind
351	Stream
352	Seashore
353	Bubble
354	Feed
355	Dog
356	Horse
357	Maou
358	Door Squeak
359	Door Slam
360	Scratch Cut
361	Scratch Split
362	Wind Chime
363	Car Engine Ignition
364	Car Tires Squeal
365	Car Passing
366	Car Crash
367	Siren
368	Train
369	Helicopter
370	Jet Plane
371	Starship

Voice No.	Voice Name
372	Burst
373	Roller Coaster
374	Submarine
375	Laugh
376	Scream
377	Punch
378	Heartbeat
379	Footsteps
380	Applause
381	Gunshot
382	Machine Gun
383	Laser Gun
384	Explosion
385	Firework
<b>DUAL</b>	
386	Octave Piano
387	Piano & Pizzicato Strings
388	Piano & Flute
389	Piano Pad
390	Octave Honky Tonk Piano
391	Harpsichord & Strings
392	Electric Piano Pad 1
393	Electric Piano Pad 2
394	Electric Piano Pad 3
395	Octave Strings
396	Octave Brass
397	Orchestra Tutti
398	Octave Choir
399	Jazz Section
400	Flute & Clarinet

\* When you select a Voice of the DUAL category, two voices sound at the same time.

# Song List



Song No.	Song Name
<b>TOP PICK</b>	
001	Demo 1
002	Demo 2
003	Demo 3
<b>FAVORITE</b>	
004	Frère Jacques
005	Der Froschgesang
006	Aura Lee
007	London Bridge
008	Sur le pont d'Avignon
009	Nedelka
010	Aloha Oe
011	Sippin' Cider Through a Straw
012	Old Folks at Home
013	Bury Me Not on the Lone Prairie
014	Cielito Lindo
015	Santa Lucia
016	If You're Happy and You Know It
017	Beautiful Dreamer
018	Greensleeves
019	Kalinka
020	Holdilia Cook
021	Ring de Banjo
022	La Cucaracha
023	Funiculi Funicula
024	Largo (from the New World)
025	Brahms' Lullaby
026	Liebesträume Nr.3
027	Pomp and Circumstance
028	Chanson du Toreador
029	Jupiter, the Bringer of Jollity
030	The Polovetsian Dances
031	Die Moldau
032	Salut d'Amour op.12
033	Humoresques
034	Symphony No.9 (from the New World - 4th movement)
035	Sicilienne/Fauré
036	Swan Lake
037	Grand March (Aida)

Song No.	Song Name
038	Serenade for Strings in C major, op.48
039	Pizzicato Polka
040	Romance de Amor
041	Menuett BWV Anh.114
042	Ave Verum Corpus
043	Wenn ich ein Vöglein wär
044	Die Lorelei
045	Home Sweet Home
046	Scarborough Fair
047	My Old Kentucky Home
048	Loch Lomond
049	Silent Night
050	Deck the Halls
051	O Christmas Tree
052	Sonata Pathétique 2nd Adagio Cantabile
053	Ave Maria/J. S. Bach - Gounod
054	Jesus bleibet meine Freude
055	Prelude op.28-15 "Raindrop"
056	Nocturne op.9-2
057	Etude op.10-3 "Chanson de L'adieu"
058	Romanze (Serenade K.525)
059	Arabesque
060	La Chevaleresque
061	Für Elise
062	Turkish March
063	24 Preludes op.28-7
064	Annie Laurie
065	Jeanie with the Light Brown Hair
<b>DUET</b>	
066	Ten Little Indians (DUET)
067	The Cuckoo (DUET)
068	Close Your Hands, Open Your Hands (DUET)
069	O du lieber Augustin (DUET)
070	We Wish You A Merry Christmas (DUET)
071	London Bridge (DUET)

Song No.	Song Name
072	Scarborough Fair (DUET)
073	Twinkle Twinkle Little Star (DUET)
074	Im Mai (DUET)
075	O Christmas Tree (DUET)
076	Pop Goes The Weasel (DUET)
077	Mary Had a Little Lamb (DUET)
078	Row Row Row Your Boat (DUET)
079	On Top of Old Smoky (DUET)
<b>FAV. (Favorite) WITH STYLE</b>	
080	Amazing Grace
081	Oh! Susanna
082	Joy to the World
083	Little Brown Jug
084	Yankee Doodle
085	My Darling Clementine
086	Auld Lang Syne
087	My Bonnie
088	When the Saints Go Marching In
089	The Danube Waves
090	Battle Hymn of the Republic
091	I've Been Working On The Railroad
092	Grandfather's Clock
093	Bill Bailey (Won't You Please Come Home)
094	Down by the Riverside
095	Camptown Races
096	When Irish Eyes Are Smiling
097	Ave Maria
098	American Patrol
099	Valse Des Fleurs (From "The Nutcracker")
100	Frühlingsstimmen

Song No.	Special Appendix
<b>CHORD STUDY</b>	
101-112	Chord Study 01-Chord Study 12

- Some songs have been edited for length or for ease in learning, and may not be exactly the same as the original.
- A song book (free downloadable scores) is available that includes scores for all internal songs (excepting Songs 1-3). To obtain this Song Book, access the Yamaha website, and click on the "Download" tab beneath the model name. <https://www.yamaha.com>



# Style List



Style No.	Style Name
<b>POP &amp; ROCK</b>	
1	BritPopRock
2	8BeatModern
3	Cool8Beat
4	60sGuitarPop
5	8BeatAdria
6	60s8Beat
7	8Beat
8	OffBeat
9	60sRock
10	HardRock
11	RockShuffle
12	8BeatRock
13	16Beat
14	PopShuffle
15	GuitarPop
16	16BeatUptempo
17	KoolShuffle
18	HipHopLight
<b>BALLAD</b>	
19	70sGlamPiano
20	PianoBallad
21	LoveSong
22	6/8ModernEP
23	6/8SlowRock
24	OrganBallad
25	PopBallad
26	16BeatBallad
<b>DANCE</b>	
27	EuroTrance
28	Ibiza
29	SwingHouse
30	Clubdance
31	ClubLatin
32	Garage 1
33	Garage 2
34	TechnoParty

Style No.	Style Name
35	UKPop
36	HipHopGroove
37	HipShuffle
38	HipHopPop
39	70sDisco
40	LatinDisco
41	SaturdayNight
42	DiscoHands
<b>SWING &amp; JAZZ</b>	
43	BigBandFast
44	BigBandBallad
45	JazzClub
46	Swing 1
47	Swing 2
48	Five/Four
49	Dixieland
50	Ragtime
<b>R&amp;B</b>	
51	Soul
52	DetroitPop
53	6/8Soul
54	CrocoTwist
55	Rock&Roll
56	ComboBoogie
57	6/8Blues
<b>LATIN</b>	
58	BrazilianSamba
59	BossaNova
60	Forro
61	Sertanejo
62	Joropo
63	Parranda
64	Reggaeton
65	Tijuana
66	PasoDuranguense
67	CumbiaGrupera
68	Mambo

Style No.	Style Name
69	Salsa
70	Beguine
71	Reggae
<b>WORLD</b>	
72	CountryPop
73	CountrySwing
74	Country2/4
75	Bluegrass
76	ScottishReel
77	Saeidy
78	WehdaSaghira
79	IranianElec
80	Emarati
81	IndianPop
82	Bhangra
83	Bhajan
84	BollyMix
85	Tamil
86	Kerala
87	GoanPop
88	Rajasthan
89	Dandiya
90	Qawwali
91	FolkHills
92	ModernDangdut
93	Keroncong
94	XiQingLuoGu
95	YiZuMinGe
96	JingJuJieZou
<b>BALLROOM</b>	
97	VienneseWaltz
98	EnglishWaltz
99	Slowfox
100	Foxtrot
101	Quickstep
102	Tango
103	Pasodoble

Style No.	Style Name
104	Samba
105	ChaChaCha
106	Rumba
107	Jive
<b>TRAD. (Traditional) &amp; WALTZ</b>	
108	US March
109	6/8March
110	GermanMarch
111	PolkaPop
112	OberkramerPolka
113	Tarantella
114	Showtune
115	ChristmasSwing
116	ChristmasWaltz
117	ItalianWaltz
118	SwingWaltz
119	JazzWaltz
120	CountryWaltz
121	OberkramerWalzer
122	Musette
<b>PIANIST</b>	
123	Stride
124	PianoSwing
125	Arpeggio
126	Habanera
127	SlowRock
128	8BeatPianoBallad
129	6/8PianoMarch
130	PianoWaltz

# Effect Type List



## Reverb Types

No.	Reverb Type	Description
01–03	Hall 1–3	Concert hall reverb.
04–05	Room 1–2	Small room reverb.
06–07	Stage 1–2	Reverb for solo instruments.
08–09	Plate 1–2	Simulated steel plate reverb.
10	Off	No effect.

## Chorus Types

No.	Chorus Type	Description
1–3	Chorus 1–3	Conventional chorus program with rich, warm chorusing.
4–5	Flanger 1–2	This produces a rich, animated wavering effect in the sound.
6	Off	No effect.



## LIMITED 1-YEAR WARRANTY ON PORTABLE KEYBOARDS (NP, PSRE, PSREW, PSRF, SHS, EZ, DGX230, DGX530, YPG AND YPT SERIES)

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. 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.

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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.**

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