YAMAHA

DIGITAL KEYBOARD

PSR-E243
YPT-240

Owner's Manual

GENERAL **MIDI** **XG** XGlite **USB**

EN

SPECIAL MESSAGE SECTION

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

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

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

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

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

Some Yamaha products may have benches and / or accessory mounting fixtures that are either supplied with the product or as optional accessories. Some of these items are designed to be dealer assembled or installed. Please make sure that benches are stable and any optional fixtures (where applicable) are well secured BEFORE using.
Benches supplied by Yamaha are designed for seating only. No other uses are recommended.

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

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

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

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

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

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

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

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

Model _____

Serial No. _____

Purchase Date _____

PLEASE KEEP THIS MANUAL

92-BP (bottom)

FCC INFORMATION (U.S.A.)

1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!**
   This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.

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

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

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

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

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

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

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

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

* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA.   (class B)

COMPLIANCE INFORMATION STATEMENT (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-E243/YPT-240

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.
See user manual instructions if interference to radio reception is suspected.

* This applies only to products distributed by   (FCC DoC)
YAMAHA CORPORATION OF AMERICA.

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)

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

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

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

(standby)

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

(battery)

About the Manuals

In addition to this Owner's Manual, the following Online materials (PDF files) are available.

MIDI Reference
Contains MIDI-related information, such as the MIDI Implementation Chart.

MIDI Basics (only in English, French, German and Spanish)
Contains basic explanations about what MIDI is and can do.

Computer-related Operations
Contains instructions about computer-related functions.

iPhone/iPad Connection Manual
Explains how to connect the instrument to smart devices, such iPhone, iPad, etc.

To obtain these manuals, access the Yamaha Downloads, enter "PSR-E243, for example" to the Model Name box, then click [SEARCH].

Yamaha Downloads
http://download.yamaha.com/

Song Book (only in English, French, German and Spanish)
Contains music scores for the preset Songs (excluding the Demo Songs) of this instrument. After completing the user registration at the website below, you can download this Song Book free of charge.

Yamaha Online Member
https://member.yamaha.com/myproduct/regist/
You will need the PRODUCT ID on the sheet ("Online Member Product Registration") packaged with this manual in order to fill out the User Registration form.

Included Accessories

- Owner's Manual (this book)
- AC Power Adaptor[*1]
- Music Rest
- Online Member Product Registration[*2]

*1: May not be included depending on your particular locale. Check with your Yamaha dealer.
*2: The PRODUCT ID on the sheet will be needed when you fill out the User Registration form.

Formats and functions

GENERAL MIDI

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

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

USB
USB is an abbreviation for Universal Serial Bus. It is a serial interface for connecting a computer with peripheral devices. It allows "hot swapping" (connecting peripheral devices while the power to the computer is on).

Thank you for purchasing this Yamaha Digital Keyboard!
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.

Contents

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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

⚠ WARNING

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply/AC power adaptor

- Do not place the power cord near heat sources such as heaters or radiators. 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 38) 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, place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the instrument, turn off the power immediately and unplug the power cord from the AC outlet. Then have the instrument inspected by qualified Yamaha service personnel.
- Never insert or remove an electric plug with wet hands.

Fire warning

- Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire.

Battery

- Follow the precautions below. Failure to do so might result in explosion, fire, overheating or battery fluid leakage.
  - Do not tamper with or disassemble batteries.
  - Do not dispose of batteries in fire.
  - Do not attempt to recharge batteries that are not designed to be charged.
  - Keep the batteries separate from metallic objects such as necklaces, hairpins, coins, and keys.
  - Use the specified battery type (page 10) only.
  - Use new batteries, all of which are the same type, same model, and made by the same manufacturer.
  - Always make sure all batteries are inserted in conformity with the +/- polarity markings.
  - When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument.
  - When using Ni-MH batteries, follow the instructions that came with the batteries. Use only the specified charger device when charging.
- Keep batteries away from small children who might accidentally swallow them.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.

If you notice any abnormality

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

⚠ CAUTION

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

Power supply/AC power adaptor

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

Location

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

DMI-5 1/2

- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.
- Use only the stand specified for the instrument. When attaching the stand or rack, use the provided screws only. Failure to do so could cause damage to the internal components or result in the instrument falling over.

Connections

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

Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel 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, electricity is still flowing to the instrument at the minimum level.

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

Make sure to discard used batteries according to local regulations.

NOTICE

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

■ Handling and Maintenance
- Do not use the instrument in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the instrument, TV, or radio may generate noise. When you use the instrument along with the application on your iPhone/iPad, we recommend that you set "Airplane Mode" to "ON" on your iPhone/iPad in order to avoid noise caused by communication.
- Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration, damage to the internal components or unstable operation. (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.
- When cleaning the instrument, use a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

■ Saving data
- Saved data may be lost due to malfunction or incorrect operation.

Information
■ About copyrights
- Copying of the commercially available musical data including but not limited to MIDI data and/or audio data is strictly prohibited except for your personal use.
- This product incorporates and bundles computer programs and contents in which Yamaha owns copyrights or with respect to which it has license to use others' copyrights. Such copyrighted materials include, without limitation, all computer software, style files, MIDI files, WAVE data, musical scores and sound recordings. Any unauthorized use of such programs and contents outside of personal use is not permitted under relevant laws. Any violation of copyright has legal consequences. DON'T MAKE, DISTRIBUTE OR USE ILLEGAL COPIES.

■ About 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.
- iPhone and iPad are trademarks of Apple Inc., registered in the U.S. and other countries.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

Panel Controls and Terminals

Front Panel

Song List (page 35) Voice List (page 28) Display (page 13)

❶ **[ ] (Standby/On) switch** .... page 11
❷ **[MASTER VOLUME] control** .... page 11
❸ **[DEMO] button** .... page 20
❹ **[FUNCTION] button** .... page 24
❺ **[METRONOME] button** .... page 15
❻ **[TEMPO/TAP] button** .... page 17
❼ **LESSON PART**
  [L] button .... page 23
  [R] button .... page 23

Keyboard
Since this keyboard does not have touch response, the level of the sound does not change in response to your playing strength. Therefore, your performance may not sound correctly as in the preset Songs.

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.

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❽ **[1 LISTEN & LEARN] button** .... page 23
❾ **[2 TIMING] button** .... page 23
❿ **[3 WAITING] button** .... page 23

In the Song mode
⓫ **[A-B REPEAT] button** .... page 21
⓬ **[REW] button** .... page 21
⓭ **[FF] button** .... page 21
⓮ **[PAUSE] button** .... page 21

In the Style mode
⓫ **[ACMP ON/OFF] button** .... page 16
⓬ **[INTRO/ENDING/rit.] button** .... page 17
⓭ **[MAIN/AUTO FILL] button** .... page 17
⓮ **[SYNC START] button** .... page 16

Style List
(page 36)

Rear Panel

㉔ **SUSTAIN jack**.. page 11
㉕ **USB TO HOST terminal***....................... page 26
㉖ **PHONES/OUTPUT jack**......................... page 11
㉗ **DC IN jack**... page 10

* For connecting to a computer. For details, refer to "Computer-related Operations" (page 4) on the website. When connecting, use an AB type USB cable of less than 3 meters. USB 3.0 cables cannot be used.

⓯ **[START/STOP] button**.......................... page 20
⓰ **[SONG] button** .... page 20
⓱ **[VOICE] button**................................... page 14
⓲ **[STYLE] button** .... page 16
⓳ **Number buttons [0]–[9], [+], [-]**........... page 13
⓴ **[PORTABLE GRAND] button** .... page 14
㉑ **[ULTRA-WIDE STEREO] button**.......... page 15
㉒ **[SOUND EFFECT] button**.................... page 14
㉓ **Drum illustrations for the Drum Kit** ....page 14

Each of these indicates the drum or percussion instrument assigned to the corresponding key for "Standard Kit 1."

Setting Up

Power Requirements

Although the instrument will run either from an optional 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 Power Adaptor

1 Make sure that the power of the instrument is off (display is blank, except for notation staff).

⚠ **WARNING**
- *Use the specified adaptor (page 38) only. Using the wrong adaptor can result in damage to the instrument or overheating.*

2 Connect the AC adaptor to the power supply jack.

3 Plug the AC adaptor into an AC outlet.

⚠ **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 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.*
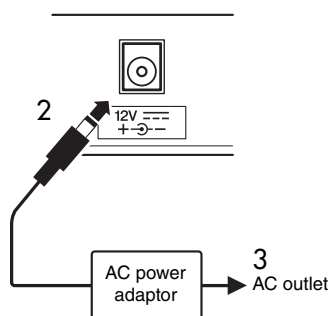
Using Batteries

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 using Ni-MH batteries, follow the instructions that came with the batteries. Use only the specified charger device when charging.*

■ Installing the batteries

1 Make sure that the power of the instrument is off (display is blank, except for notation staff).

2 Open the battery compartment cover located on the instrument's bottom panel.
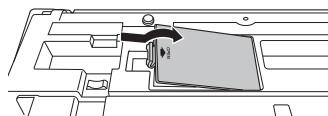
3 Insert the six new batteries, being careful to follow the polarity markings on the inside of the compartment.
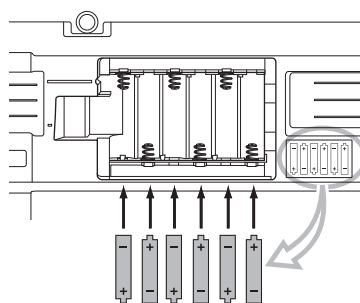
4 Replace the compartment cover, making sure that it locks firmly in place.

NOTICE
- *Connecting or disconnecting the power adaptor with batteries installed may turn the power off, resulting in loss of data being recorded or transferred at the time.*

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

After installing new batteries and turning the power on, make sure to set the Battery Type appropriately (rechargeable or not) via Function number 025 (page 25).

NOTICE
- *Failure to set the Battery Type may shorten the amount of the battery life. Make sure to set the Battery Type correctly.*

Using the music rest

Insert the music rest into the slots as shown.
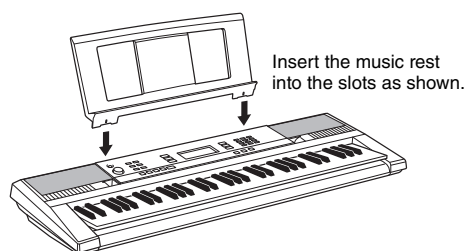
Connecting Headphones or External Audio Equipment
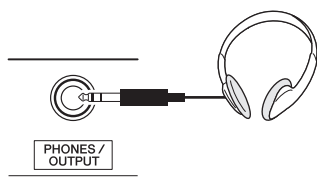
Any pair of stereo headphones with a 1/4" stereo phone plug can be plugged in here for convenient monitoring. The speakers are automatically shut off when a plug is inserted into this jack.
The PHONES/OUTPUT jack also functions as an external output. You can connect the PHONES/OUTPUT jack to a keyboard amplifier, stereo system, mixer, tape recorder, or other line-level audio device to send the instrument's output signal to that device.

⚠ **CAUTION**
- *Do not use the instrument/device or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.*
- *Before connecting the instrument to other electronic components, set all volume levels to the minimum, then turn off the power for all components.*

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

Connecting a Footswitch to the SUSTAIN jack
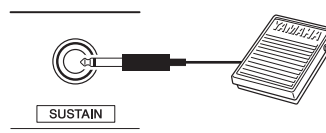
You can produce a natural sustain as you play by pressing an optional Footswitch plugged into the [SUSTAIN] jack.

NOTE
- *Make sure that the footswitch plug is properly connected to the SUSTAIN jack before turning on the power.*
- *Do not press the footswitch while turning the power on. Doing this changes the recognized polarity of the footswitch, resulting in reversed footswitch operation.*

Turning the Power On/Off

Turn down the [MASTER VOLUME] control to "MIN" then press the [⏻] (Standby/On) switch to turn on the power. While playing the keyboard, adjust the [MASTER VOLUME] control. To turn off the power, press the [⏻] (Standby/On) switch again for a second.
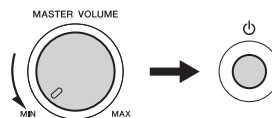
While playing the keyboard, use the [MASTER VOLUME] control to adjust the volume to an appropriate level.

⚠ **CAUTION**
- *When using a power adaptor, even when the power is off, a small amount of electricity is still being consumed by the instrument. When you are not using the instrument for a long time, make sure to unplug the AC power adaptor from the wall AC outlet.*

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 will elapse before the power is automatically turned off is set by default to 30 minutes.

■ To disable the Auto Power Off function:

Turn off the power, then press the [⏻] (Standby/On) switch to turn on the power while holding down the lowest key.
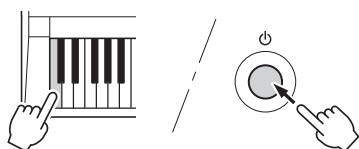
■ To set the time that elapses before Auto Power Off is executed:

While holding down the [FUNCTION] button, press the [+] or [-] button several times until "AutoOff" (Function 024) appears then select the desired value.

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

NOTE

- *Generally, the settings are maintained even when the power is turned off. For details, see page 26.*

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.*

Selecting an EQ Setting for the Best Sound

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

1 **Hold down the [ULTRA-WIDE STEREO] button for longer than a second to call up "013 MasterEQ."**

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

Hold for longer than a second.

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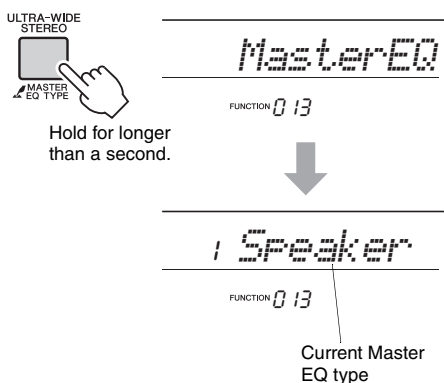
2 **Use the [+] or [-] button to select the desired Master EQ type.**

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.
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.

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. When the Dictionary function (page 19) is used, this indicates the notes of the chord you specify.

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

This area indicates the on/off status of each function. Each indication is shown when the corresponding function is turned on.

WIDE — Page 15
ACMP ON — Page 16
DUAL — Indicates that a Dual Voice (No.122–131) is selected.

Chord

Indicates the chord which is played in the Auto Accompaniment range (page 16) of the keyboard, or specified via Song playback.

Measure or Function

Normally indicates the current measure number of current Style or Song. When the [FUNCTION] button (page 24) is in use, this indicates the Function number.

MEASURE *003*   FUNCTION *025*

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—either when playing a chord or when using the Dictionary function.

Song Track status

Information related to the Song tracks is shown here (page 22).

L R

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

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.

Press briefly to decrease.   Press briefly to increase.

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.

Voice number

VOICE

SONG MELODY VOICE

VOICE | 001 GrandPno

VOICE
Appears after the [VOICE] button is pressed.

Voice name
The Voice shown here becomes the Voice for the instrument.
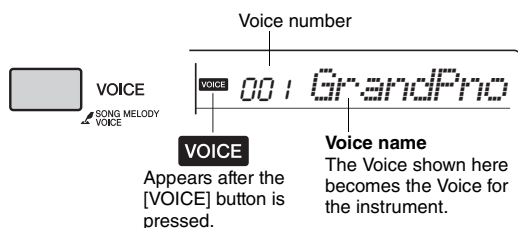
2 Use the number buttons [0]–[9], [+], [-] buttons to select the desired Voice.

Refer to the Voice List on page 28.

VOICE 065 Flute

3 Play the keyboard.
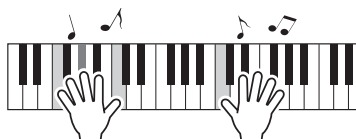
Preset Voice Types

001–139	Instrument Voices (including sound effects).
140–152 (Drum Kit)	Various drum and percussion sounds are assigned to individual keys, from which they can be played. Details on the instruments and key assignments of each Drum Kit can be found in the Drum Kit List on page 32.
153–385	XGlite Voices
000	**One Touch Setting (OTS)** The One Touch Setting feature automatically selects the most suitable Voice when you select a Style or Song. Simply select Voice number "000" to activate this feature.

Fun Sounds

You'll be able to play various sound effects from the keyboard: barking, braying, yelling, and much more. Press the [SOUND EFFECT] button.

SOUND
EFFECT

Try out each key and enjoy the sounds. Don't forget the black keys! After trying out these sounds, press the [PORTABLE GRAND] button to reset the instrument Voice to the default setting of Voice "Grand Piano1."
For details on the sound effects assigned to each key, refer to Drum Kit List (Voice No.152) on page 34.

Playing the "Grand Piano"

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

PORTABLE
GRAND

The Voice "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.**

METRONOME
TIME SIG.

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], [+], [-].

TEMPO/TAP   VOICE *090 Tempo*

Current Tempo value
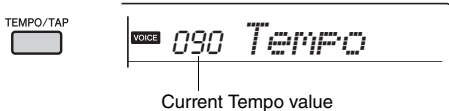
Press the [+] and [-] buttons simultaneously to instantly reset the value to the default tempo.

To set the Time Signature:
Press and hold the [METRONOME] button to call up "TimeSig" (Functions 018; page 25), then use the Number buttons.

To set the Metronome Volume:
This can be set via Function number 019 (page 25).

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.**

ULTRA-WIDE
STEREO

MASTER
EQ TYPE

VOICE *001 GrandPno*

WIDE

WIDE
Appears when Ultra-Wide Stereo is 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.**

To select the Ultra-Wide Stereo type:
Press and hold the [ULTRA-WIDE STEREO] button to call up "Wide" (Function 014; page 25), 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 009 (page 25). You can also set the Reverb depth via Function number 010 (page 25).

●**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 011 (page 25).

●**Sustain**
By turning on the Sustain parameter of Function number 012 (page 25), you can add a fixed sustain to the keyboard Voices. Sustain can also be applied with the optional footswitch (page 11).

Playing Styles

This instrument includes the Auto Accompaniment feature that plays appropriate "Styles" (rhythm + bass + chord accompaniment). You can select from a huge variety of Styles covering a wide range of musical genres.

1 Press the [STYLE] button, then use the number buttons [0]–[9], [+], [-] to select the desired Style.

The Style List is provided on the front panel, or in the Style List (page 36).

Style Number

STYLE

001 8BtModrn

STYLE

Style Name

This icon appears when the [STYLE] button is pressed.
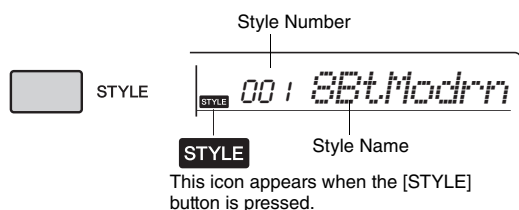
2 Press the [ACMP ON/OFF] button to turn on the Auto Accompaniment.

ACMP ON/OFF

STYLE *018 LoveSong* ACMP ON

ACMP ON

This icon appears when automatic accompaniment is on.
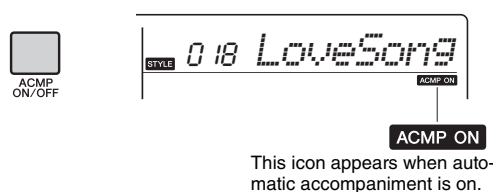
With this operation, the area of the keyboard to the left of the Split Point (54: F♯2) becomes the "Auto Accompaniment range" and is used only for specifying the chords.

Split Point ... default setting: 54 (F♯2)

36   48   60   72

Auto Accompaniment range
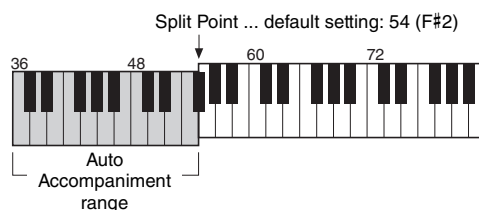
The highest key for the Auto Accompaniment range is referred to as the "Split Point," which can be changed from the default of F♯2 via Function number 005 (page 24).

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

SYNC START

STYLE *018 LoveSong* ACMP ON

Flashes when sync start is on.
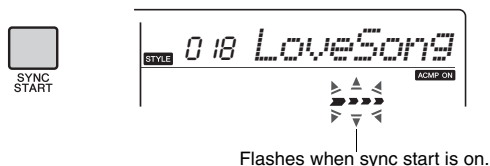
4 Play a chord in the Auto Accompaniment range to start playback.

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 18) or use the Chord Dictionary function (page 19).

Split Point
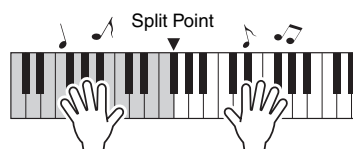
5 Press the [START/STOP] button to stop playback.

START/STOP
▶/■

You can add intro, ending and rhythm variations to Style playback by using "Sections." For details, refer to page 17.

To play back the rhythm part only

If you press the [START/STOP] button (without pressing the [ACMP ON/OFF] button in step 2), 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 (093–100) have no rhythm parts, no sound will be produced if you start rhythm-only playback.*

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 24).

Style Variations—Sections

Each Style consists of "Sections" 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.

■STYLE   ACMP   INTRO/   MAIN/   SYNC
          ON/OFF   ENDING/rit. AUTO FILL START
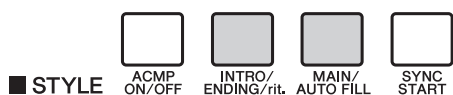
1–3

Same as Steps 1–3 in page 16.

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

MAIN A

MAIN/
AUTO FILL

Current Section

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

INTRO⇥A
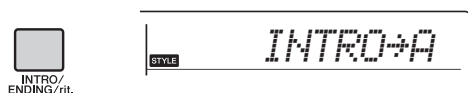
INTRO/
ENDING/rit.

Now, you're ready to start Style playback from the Intro section.

6 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, refer to "Chord Types for Style Playback" on page 18.

Split Point

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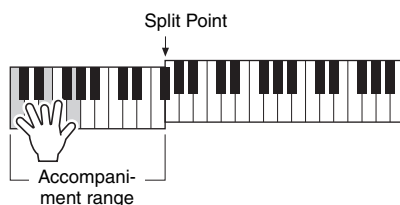
7 After the Intro finishes, play the keyboard according to the progression of the Song you are playing.

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.

FILL A⇥B

MAIN/
AUTO FILL
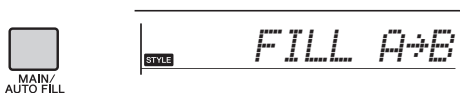
8 Press the [INTRO/ENDING/rit.] button.

ENDING
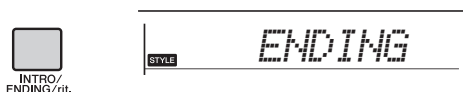
INTRO/
ENDING/rit.

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.

Changing the Tempo

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

TEMPO/TAP

090 Tempo

Current Tempo value
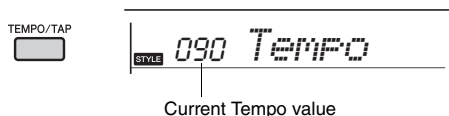
Press the [+] and [-] buttons simultaneously to reset the value to the default tempo of the current Style or Song.

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.

TEMPO/TAP

Chord Types for Style Playback

For users who are unfamiliar with 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
C	Cm	C$_7$	Cm$_7$	CM$_7$
D	Dm	D$_7$	Dm$_7$	DM$_7$
E	Em	E$_7$	Em$_7$	EM$_7$
F	Fm	F$_7$	Fm$_7$	FM$_7$
G	Gm	G$_7$	Gm$_7$	GM$_7$
A	Am	A$_7$	Am$_7$	AM$_7$
B	Bm	B$_7$	Bm$_7$	BM$_7$

- *Inversions can be used as well as in "root" position—with the following exceptions:*
  m7, m7♭5, 6, m6, sus4, aug, dim7, 7♭5, 6(9), sus2
- *Inversion of the 7sus4 and m7(11) 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"

C	Cm	C$_7$	Cm$_7$

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).

Looking Up Chords Using the Chord Dictionary

The Dictionary function is useful when you know the name of a certain chord and want to quickly learn how to play it.

1 **Press and hold the [3 WAITING] button for longer than a second to call up "Dict."**

"Dict." will appear in the display.

Hold for longer than a second.
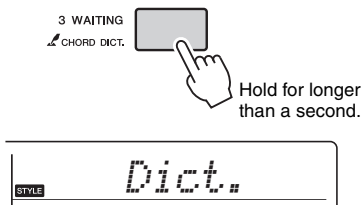
This operation will divide the entire keyboard into the three ranges as illustrated below.

• The range to the right of "ROOT ▶":
  Lets you specify the Chord Root, but produces no sound.
• The range between "CHORD TYPE ▶" and "ROOT ▶":
  Lets you specify the Chord Type, but produces no sound.
• The range to the left of "CHORD TYPE ▶":
  Lets you play and confirm the Chord specified in the above two ranges.
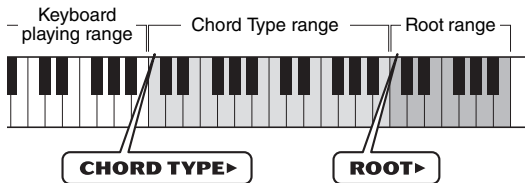
2 **As an example, learn how to play a GM7 (G major seventh) chord.**

2-1. Press the "G" key in the section to the right of "ROOT ▶" so that the "G" is shown as the root note.
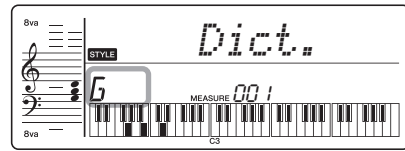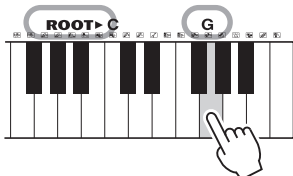
2-2. Press the key labeled "M7" in the section between "CHORD TYPE ▶" and "ROOT." The notes you should play for the specified chord (root note and chord type) are conveniently shown in the display, both as notation and in the keyboard diagram.

Chord name (root and type)

Notation of chord

Individual notes of chord (keyboard)
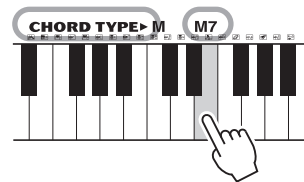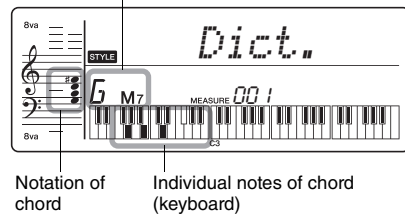
To call up possible inversions of the chord, press the [+]/[-] buttons.

NOTE

• *About major chords: Simple major chords are usually indicated only by the root note. For example, "C" refers to C major. However, when specifying major chords here, make sure to select "M" (major) after pressing the root note.*

• *These chords are not shown in the Chord Dictionary function: 6(9), M7(9), M7(#11), ♭5, M7♭5, M7aug, m7(11), mM7(9), mM7♭5, 7♭5, sus2*

3 **Following the notation and keyboard diagram in the display, try playing a chord in the range to the left of "CHORD TYPE ▶."**

When you've played the chord properly, a bell sound signals your success and the chord name in the display flashes.

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 Songs in sequence. Playback will repeat continuously, starting again from the first Song (001).

DEMO
BGM

To stop playback, press the [DEMO] button.

NOTE

• *You can select a song by using the [+] button after pressing the [DEMO] button. The [-] button can be used to go back to the beginning of the selected Song.*

Selecting and Playing Back a Song

1 **Press the [SONG] button, then use the Number buttons to select the desired Song.**
   Refer to the Song List (page 35).

   Song number

   SONG

   004 Mirliton

   SONG
   Song name

   SONG
   Appears after the [Song] button is pressed.
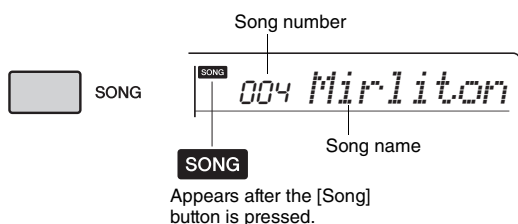
2 **Press the [START/STOP] button to start playback.**
   To stop playback, press the [START/STOP] button again.

   START/STOP
   ▶/■

To change the tempo:
Refer to page 17.

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 24).

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, 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" is shown in the display for a few seconds, followed by the current repeat playback target.

   DEMO
   BGM
   Hold for longer than a second.
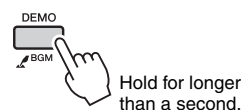
2 **Use the [+] or [-] button to select a playback group.**

Demo	Preset songs (001–003)
Preset	All preset songs (001–102)

3 **Press the [DEMO] button to start playback.**
   To stop playback, press the [DEMO] button again or press the [START/STOP] button.

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 022; page 25) 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 (FF), rewind (REW) and pause (PAUSE) playback of the Song.

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

REW ◄◄   FF ►►   PAUSE ❚❚
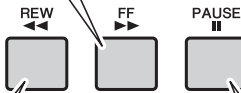
Fast Reverse
During playback, press this button to rapidly return to an earlier point in the Song.

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

NOTE
- *When the A-B repeat is specified, the Fast Reverse and Fast Forward will only work within the range between A and B.*
- *[REW], [FF] and [PAUSE] button cannot be used during Song playback by using the [DEMO] button.*

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 **Press and hold 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.*

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.

A   B

Repeat playback of this section
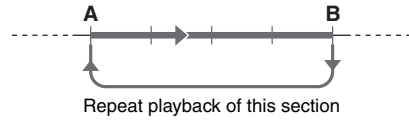
1 **Start playback of the Song (page 20).**

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

A-B REPEAT

3 **When playback reaches to the point you want to specify as the end point, press the [A-B REPEAT] 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 [REW] and [FF] buttons to select the desired measures, pressing the [A-B REPEAT] 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 REPEAT] button before starting playback.*

4 **To cancel repeat playback, press the [A-B REPEAT] button.**

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

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

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.

Lit: Track con-
tains data

Unlit: Track is
muted or con-
tains no data
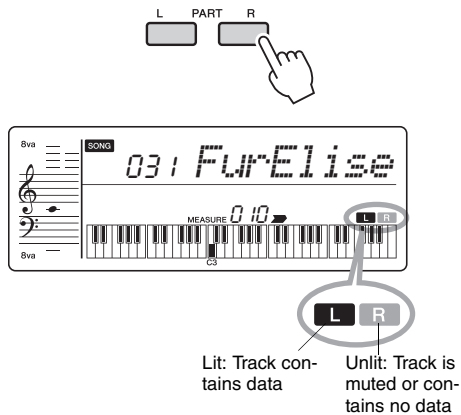
By turning the left- and right-hand parts on or off dur-
ing playback, you can listen to the Part (that is turned
on), or practice the other part (that is turned off) on the
keyboard.

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 these three Song Lesson types while referring to the music scores in the Song Book (page 4).

Three Types of Song Lesson

● **Lesson 1—Listen & Learn**
In this Lesson, you need not play the keyboard. The model melody/chords of the part you selected will sound. 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 at.

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 020 (page 25).*

Practicing with Song Lesson

1 **Press the [SONG] button then select a Song for your lesson.**

2 **Press either or both the [R] and [L] buttons to select the part you want to practice.**
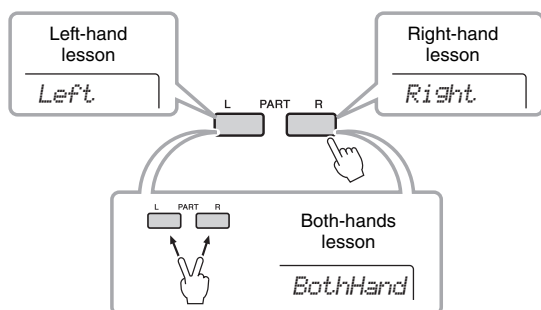
NOTE
- *In this step, "No LPart" may appear, indicating that the current Song does not contain a left-hand part.*

3 **Press the [1 LISTEN & LEARN], [2 TIMING], or [3 WAITING] button to start playback of the Song Lesson.**
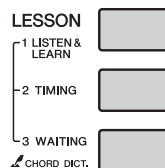
NOTE
- *During playback, you can change the Lesson mode by pressing this button, and you can stop the Lesson at any time by pressing the [START/STOP] button.*

4 **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.*

5 **Stop the Lesson mode.**
You can stop the Lesson mode at any time by pressing the [START/STOP] button.

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. You can also decrease the Function number by one when you press the [-] button briefly while holding down the [FUNCTION] button.

Current value   Function name

FUNCTION

```
100 StyleVol
```
STYLE

FUNCTION 001
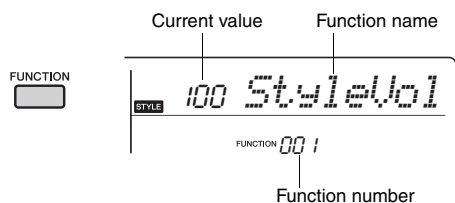
Function number

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

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

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

Direct numeric entry.

- Decrement value by 1.
- No
- Off

Press simultaneously to recall the default setting.

- Increment value by 1.
- Yes
- On
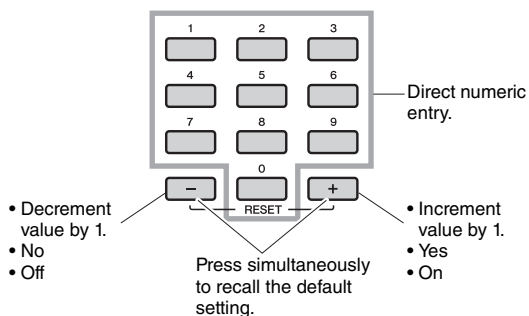
NOTE
- *To exit the Function settings, press one of these buttons; [SONG], [VOICE], [STYLE] or [GRAND PIANO].*

Function List

Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
Volume					
001	Style Volume	StyleVol	000–127	100	Determines the volume of the Style. (page 16)
002	Song Volume	SongVol	000–127	100	Determines the volume of the Song. (page 20)
Overall					
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.
Voice (page 14)					
006	Volume	M.Volume	000–127	*	Determines the volume of the Voice.
007	Octave	M.Octave	-2 – +2	*	Determines the octave range for the Voice.
008	Chorus Depth	M.Chorus	000–127	*	Determines how much of the Voice's signal is sent to the Chorus effect.

Function Number	Function name	Display	Range/Settings	Default Value	Descriptions
Effects					
009	Reverb Type	*Reverb*	01–10	**	Determines the Reverb type, including off (10). (page 37)
010	Reverb Level	*RevLevel*	000–127	64	Determines how much of the Voice's signal is sent to the Reverb effect. (page 37)
011	Chorus Type	*Chorus*	01–05	**	Determines the Chorus type, including off (05).
012	Sustain	*Sustain*	ON/OFF	OFF	Determines whether the Sustain function is on or off.
013	Master EQ Type	*MasterEQ*	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 12)
014	Wide Type	*Wide*	1 (Wide1) 2 (Wide2) 3 (Wide3)	2 (Wide2)	Determines the Ultra-Wide Stereo type. Higher values produce a greater Wide effect. (page 15)
MIDI					
015	Local Control	*Local*	ON/OFF	ON	Determines whether the instrument's keyboard controls the internal tone generator (ON) or not (OFF). When you record your keyboard performance to the application software on the computer via MIDI, set this parameter to OFF.
016	External Clock	*ExtClock*	ON/OFF	OFF	Determines whether the instrument synchronizes to the internal clock (OFF) or an external clock (ON). When you record your keyboard performance to the application software on the computer via MIDI, set this parameter to ON.
017	Initial Send	*InitSend*	YES/NO	–	Lets you send the data of the panel settings to a computer. Press [+/YES] to send, or press [-/NO] to cancel. This operation should be done immediately after starting the Recording operation on the computer.
Metronome (page 15)					
018	Time Signature Numerator	*TimeSig*	00–15	**	Determines the time signature of the Metronome.
019	Metronome Volume	*MetroVol*	000–127	100	Determines the volume of the Metronome.
Lesson (page 23)					
020	Your Tempo	*YourTemp*	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.
Demo (page 20)					
021	Demo Group	*DemoGrp*	1 (Demo) 2 (Preset)	1 (Demo)	Determines the repeat playback group.
022	Demo Play Mode	*PlayMode*	1 (Normal) 2 (Random)	1 (Normal)	Determines the repeat playback mode.
023	Demo Cancel	*D-Cancel*	ON/OFF	OFF	Determines whether Demo cancel is enabled or not. When this is set to ON, the Demo Song will not play, even if the [DEMO] button is pressed.
Auto Power Off (page 12)					
024	Auto Power Off Time	*AutoOff*	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.
Battery (page 11)					
025	Battery Type	*Battery*	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.

Using with a Computer or iPad/iPhone

Connecting to a computer

This instrument supports MIDI (Musical Instrument Digital Interface) and can be connected to a computer via a USB cable. For details, refer to "Computer-related Operations" (page 4) on the website.
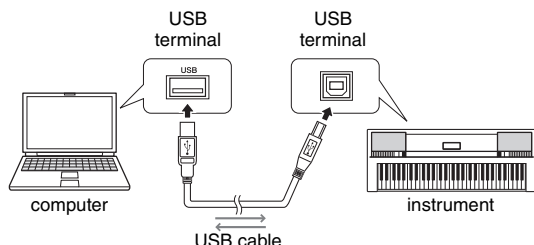
Connecting an iPad/iPhone

By connecting your smart device, such as an iPhone or iPad, to a compatible Yamaha digital instruments and using applications, you can take advantage of various functions—expanding the potential of the instrument and make it an even more integral part of your total music life. To connect your iPhone/iPad to the USB TO HOST terminal of the instrument, an i-UX1 interface is necessary. For details, refer to "iPhone/iPad Connection Manual" (page 4) on the website.

Backup and Initialization

Backup Parameters

The following settings are always backed up, and maintained even when this instrument is turned off.

Backup parameters
• FUNCTION Settings: (page 24)
  Tuning, Your Tempo, Master EQ type, Panel Sustain, Auto Power Off, Battery Type

To initialize Backup data, execute "Backup Clear."

NOTICE

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

• When the Power 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 Power Adaptor):

Initialization

This function erases the Backup data, then restores all the default factory settings. As required, execute the following procedure.

Backup Clear

This operation initializes the backup data.
While holding down the highest white key on the keyboard, press the [⏻] (Standby/On) switch to turn the power on.
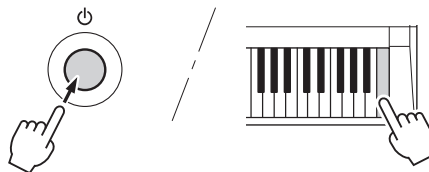
Troubleshooting

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.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
Noise is heard from the instrument's speakers or headphones when using the instrument with the application on iPhone/iPad.	When you use the instrument along with the application on your iPhone/iPad, we recommend that you set "Airplane Mode" to "ON" on your iPhone/iPad in order to avoid noise caused by communication.
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.
	Check the Local Control on/off setting. (See page 25 Function 015.)
Playing keys in the right hand area of the keyboard does not produce any sound.	When using the Dictionary function (page 19), the keys in the right hand area are used only for entering the chord root and type.
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 Style or Song does not play back when the [START/STOP] button is pressed.	Is External Clock set to ON? Make sure External Clock is set to OFF; refer to "Function Settings" on page 25 (Function 016).
The ACMP ON indicator does not appear when the [ACMP ON/OFF] button is pressed.	Always press the [STYLE] button first when you are going to use any Style-related function.
The Style does not sound properly.	Make sure that the Style Volume (page 24 Function 001) is set to an appropriate level.
	Is the Split Point set to an appropriate key for the chords you are playing? Set the Split Point to an appropriate key (page 24 Function 005). 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.
The Style does not sound as you play a chord.	• The auto accompaniment will sometimes not change when related chords are played in sequence (e.g., some minor chords followed by the minor seventh). • Two-note fingerings will produce a chord based on the previously played chord. • Playing two same root keys in the adjacent octaves produces accompaniment based only on the root.
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.
• The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • The recorded data of the song, etc. does not play correctly. • The LCD display suddenly goes dark, and all panel settings are reset.	The batteries are low or dead. Replace all six batteries with completely new ones, or use the optional AC adaptor.
Power suddenly and unexpectedly turns off.	This is normal and the Auto Power Off function may have been activated (page 12). If you need to disable the Auto Power Off function, select "Off" in the Function settings (page 25 Function 024).

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).

$\boxed{NOTE}$

- *The Voice List includes MIDI program change numbers for each voice. Use these program change numbers when playing the instrument via MIDI from an external device.*
- *Program Numbers 001 to 128 directly relate to MIDI Program Change Numbers 000 to 127. That is, Program Numbers and Program Change Numbers differ by a value of 1. Remember to take this into consideration.*
- *Some voices may sound continuously or have a long decay after the notes have been released while the sustain pedal (footswitch) is held.*

Panel Voice List

Voice No.	MSB (0–127)	LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
PIANO				
1	0	112	1	Grand Piano1
2	0	0	1	Grand Piano2
3	0	0	2	Bright Piano
4	0	0	4	Honky-tonk Piano
5	0	0	7	Harpsichord
E.PIANO				
6	0	0	5	Electric Piano 1
7	0	0	6	Electric Piano 2
8	0	0	3	Electric Grand Piano
9	0	0	8	Clavi
ORGAN				
10	0	0	17	Drawbar Organ
11	0	0	18	Percussive Organ
12	0	0	19	Rock Organ
13	0	0	20	Church Organ
14	0	0	21	Reed Organ
ACCORDION				
15	0	0	22	Accordion
16	0	0	24	Tango Accordion
17	0	0	23	Harmonica
GUITAR				
18	0	0	25	Nylon Guitar
19	0	0	26	Steel Guitar
20	0	0	27	Jazz Guitar
21	0	0	28	Clean Guitar
22	0	0	29	Muted Guitar
23	0	0	30	Overdriven Guitar
24	0	0	31	Distortion Guitar
25	0	0	32	Guitar Harmonics
BASS				
26	0	0	33	Acoustic Bass
27	0	0	34	Finger Bass
28	0	0	35	Pick Bass
29	0	0	36	Fretless Bass
30	0	0	37	Slap Bass 1
31	0	0	38	Slap Bass 2
32	0	0	39	Synth Bass 1
33	0	0	40	Synth Bass 2
STRINGS				
34	0	0	49	Strings 1
35	0	0	50	Strings 2
36	0	0	51	Synth Strings 1
37	0	0	52	Synth Strings 2
38	0	0	45	Tremolo Strings
39	0	0	46	Pizzicato Strings
40	0	0	41	Violin

Voice No.	MSB (0–127)	LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
41	0	0	42	Viola
42	0	0	43	Cello
43	0	0	44	Contrabass
44	0	0	47	Orchestral Harp
45	0	0	56	Orchestra Hit
CHOIR				
46	0	0	53	Choir Aahs
47	0	0	54	Voice Oohs
48	0	0	55	Synth Voice
SAXOPHONE				
49	0	0	67	Tenor Sax
50	0	0	66	Alto Sax
51	0	0	65	Soprano Sax
52	0	0	68	Baritone Sax
53	0	0	69	Oboe
54	0	0	72	Clarinet
55	0	0	70	English Horn
56	0	0	71	Bassoon
TRUMPET				
57	0	0	57	Trumpet
58	0	0	60	Muted Trumpet
59	0	0	58	Trombone
60	0	0	61	French Horn
61	0	0	59	Tuba
BRASS				
62	0	0	62	Brass Section
63	0	0	63	Synth Brass 1
64	0	0	64	Synth Brass 2
FLUTE				
65	0	0	74	Flute
66	0	0	73	Piccolo
67	0	0	76	Pan Flute
68	0	0	75	Recorder
69	0	0	77	Blown Bottle
70	0	0	78	Shakuhachi
71	0	0	79	Whistle
72	0	0	80	Ocarina
SYNTH				
73	0	0	81	Square Lead
74	0	0	82	Sawtooth Lead
75	0	0	83	Calliope Lead
76	0	0	84	Chiff Lead
77	0	0	85	Charang Lead
78	0	0	86	Voice Lead
79	0	0	87	Fifths Lead
80	0	0	88	Bass & Lead
81	0	0	89	New Age Pad

Voice No.	Bank Select MSB (0–127)	Bank Select LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
82	0	0	90	Warm Pad
83	0	0	91	Poly Synth Pad
84	0	0	92	Choir Pad
85	0	0	93	Bowed Pad
86	0	0	94	Metallic Pad
87	0	0	95	Halo Pad
88	0	0	96	Sweep Pad
89	0	0	97	Rain
90	0	0	98	Sound Track
91	0	0	99	Crystal
92	0	0	100	Atmosphere
93	0	0	101	Brightness
94	0	0	102	Goblins
95	0	0	103	Echoes
96	0	0	104	Sci-Fi
PERCUSSION				
97	0	0	12	Vibraphone
98	0	0	13	Marimba
99	0	0	14	Xylophone
100	0	0	115	Steel Drums
101	0	0	9	Celesta
102	0	0	11	Music Box
103	0	0	15	Tubular Bells
104	0	0	48	Timpani
105	0	0	10	Glockenspiel
106	0	0	113	Tinkle Bell
107	0	0	114	Agogo
108	0	0	116	Woodblock
109	0	0	117	Taiko Drum
110	0	0	118	Melodic Tom
111	0	0	119	Synth Drum
112	0	0	120	Reverse Cymbal
WORLD				
113	0	0	105	Sitar
114	0	0	16	Dulcimer
115	0	0	106	Banjo
116	0	0	107	Shamisen
117	0	0	108	Koto
118	0	0	109	Kalimba
119	0	0	110	Bagpipe
120	0	0	111	Fiddle
121	0	0	112	Shanai
DUAL*				
122	–	–	–	Octave Piano
123	–	–	–	Piano & Strings
124	–	–	–	Piano Pad
125	–	–	–	E.P. Pad
126	–	–	–	Octave Strings
127	–	–	–	Octave Brass
128	–	–	–	Orchestra Tutti
129	–	–	–	Octave Choir
130	–	–	–	Jazz Section
131	–	–	–	Flute & Clarinet
SOUND EFFECTS				
132	0	0	121	Fret Noise
133	0	0	122	Breath Noise
134	0	0	123	Seashore
135	0	0	124	Bird Tweet
136	0	0	125	Telephone Ring
137	0	0	126	Helicopter
138	0	0	127	Applause
139	0	0	128	Gunshot

Voice No.	Bank Select MSB (0–127)	Bank Select LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
DRUM KITS				
140	127	0	1	Standard Kit 1
141	127	0	2	Standard Kit 2
142	127	0	9	Room Kit
143	127	0	17	Rock Kit
144	127	0	25	Electronic Kit
145	127	0	26	Analog Kit
146	127	0	28	Dance Kit
147	127	0	33	Jazz Kit
148	127	0	41	Brush Kit
149	127	0	49	Symphony Kit
150	126	0	1	SFX Kit 1
151	126	0	2	SFX Kit 2
152	126	0	113	Sound Effect Kit
XGlite				
153	0	1	1	Grand Piano KSP
154	0	40	1	Piano Strings
155	0	41	1	Dream
156	0	1	2	Bright Piano KSP
157	0	1	3	Electric Grand Piano KSP
158	0	32	3	Detuned CP80
159	0	1	4	Honky-tonk Piano KSP
160	0	1	5	Electric Piano 1 KSP
161	0	32	5	Chorus Electric Piano 1
162	0	1	6	Electric Piano 2 KSP
163	0	32	6	Chorus Electric Piano 2
164	0	41	6	DX + Analog Electric Piano
165	0	1	7	Harpsichord KSP
166	0	35	7	Harpsichord 2
167	0	1	8	Clavi KSP
168	0	64	11	Orgel
169	0	1	12	Vibraphone KSP
170	0	1	13	Marimba KSP
171	0	64	13	Sine Marimba
172	0	97	13	Balimba
173	0	98	13	Log Drums
174	0	96	15	Church Bells
175	0	97	15	Carillon
176	0	35	16	Dulcimer 2
177	0	96	16	Cimbalom
178	0	97	16	Santur
179	0	32	17	Detuned Drawbar Organ
180	0	33	17	60s Drawbar Organ 1
181	0	34	17	60s Drawbar Organ 2
182	0	35	17	70s Drawbar Organ 1
183	0	37	17	60s Drawbar Organ 3
184	0	40	17	16+2'2/3
185	0	64	17	Organ Bass
186	0	65	17	70s Drawbar Organ 2
187	0	66	17	Cheezy Organ
188	0	67	17	Drawbar Organ 2
189	0	24	18	70s Percussive Organ
190	0	32	18	Detuned Percussive Organ
191	0	33	18	Light Organ
192	0	37	18	Percussive Organ 2
193	0	64	19	Rotary Organ
194	0	65	19	Slow Rotary
195	0	66	19	Fast Rotary
196	0	32	20	Church Organ 3
197	0	35	20	Church Organ 2
198	0	40	20	Notre Dame
199	0	64	20	Organ Flute

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

Voice No.	Bank Select MSB (0–127)	Bank Select LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
200	0	65	20	Tremolo Organ Flute
201	0	40	21	Puff Organ
202	0	32	23	Harmonica 2
203	0	64	24	Tango Accordion 2
204	0	43	25	Velocity Guitar Harmonics
205	0	96	25	Ukulele
206	0	35	26	12-string Guitar
207	0	40	26	Nylon & Steel Guitar
208	0	41	26	Steel Guitar with Body Sound
209	0	96	26	Mandolin
210	0	32	27	Jazz Amp
211	0	32	28	Chorus Guitar
212	0	40	29	Funk Guitar
213	0	41	29	Muted Steel Guitar
214	0	45	29	Jazz Man
215	0	43	30	Guitar Pinch
216	0	40	31	Feedback Guitar
217	0	41	31	Feedback Guitar 2
218	0	65	32	Guitar Feedback
219	0	66	32	Guitar Harmonics 2
220	0	40	33	Jazz Rhythm
221	0	45	33	Velocity Crossfade Upright Bass
222	0	18	34	Finger Dark
223	0	40	34	Bass & Distorted Electric Guitar
224	0	43	34	Finger Slap Bass
225	0	45	34	Finger Bass 2
226	0	65	34	Modulated Bass
227	0	28	35	Muted Pick Bass
228	0	32	36	Fretless Bass 2
229	0	33	36	Fretless Bass 3
230	0	34	36	Fretless Bass 4
231	0	32	37	Punch Thumb Bass
232	0	43	38	Velocity Switch Slap
233	0	40	39	Techno Synth Bass
234	0	6	40	Mellow Synth Bass
235	0	12	40	Sequenced Bass
236	0	18	40	Click Synth Bass
237	0	19	40	Synth Bass 2 Dark
238	0	40	40	Modular Synth Bass
239	0	41	40	DX Bass
240	0	8	41	Slow Violin
241	0	8	45	Slow Tremolo Strings
242	0	40	45	Suspense Strings
243	0	40	47	Yang Chin
244	0	3	49	Stereo Strings
245	0	8	49	Slow Strings
246	0	35	49	60s Strings
247	0	40	49	Orchestra
248	0	41	49	Orchestra 2
249	0	42	49	Tremolo Orchestra
250	0	45	49	Velocity Strings
251	0	3	50	Stereo Slow Strings
252	0	8	50	Legato Strings
253	0	40	50	Warm Strings
254	0	41	50	Kingdom
255	0	3	53	Stereo Choir
256	0	32	53	Mellow Choir
257	0	40	53	Choir Strings
258	0	40	55	Synth Voice 2
259	0	41	55	Choral
260	0	64	55	Analog Voice
261	0	35	56	Orchestra Hit 2
262	0	64	56	Impact

Voice No.	Bank Select MSB (0–127)	Bank Select LSB (0–127)	MIDI Program Change# (1–128)	Voice Name
263	0	32	57	Warm Trumpet
264	0	18	58	Trombone 2
265	0	6	61	French Horn Solo
266	0	32	61	French Horn 2
267	0	37	61	Horn Orchestra
268	0	35	62	Trumpet & Trombone Section
269	0	20	63	Resonant Synth Brass
270	0	18	64	Soft Brass
271	0	41	64	Choir Brass
272	0	40	66	Sax Section
273	0	40	67	Breathy Tenor Sax
274	0	6	81	Square Lead 2
275	0	8	81	LM Square
276	0	18	81	Hollow
277	0	19	81	Shroud
278	0	64	81	Mellow
279	0	65	81	Solo Sine
280	0	66	81	Sine Lead
281	0	6	82	Sawtooth Lead 2
282	0	8	82	Thick Sawtooth
283	0	18	82	Dynamic Sawtooth
284	0	19	82	Digital Sawtooth
285	0	20	82	Big Lead
286	0	96	82	Sequenced Analog
287	0	65	83	Pure Lead
288	0	64	85	Distorted Lead
289	0	35	87	Big Five
290	0	16	88	Big & Low
291	0	64	88	Fat & Perky
292	0	65	88	Soft Whirl
293	0	64	89	Fantasy
294	0	66	92	Itopia
295	0	65	97	African Wind
296	0	66	97	Carib
297	0	27	98	Prologue
298	0	12	99	Synth Drum Comp
299	0	14	99	Popcorn
300	0	18	99	Tiny Bells
301	0	35	99	Round Glockenspiel
302	0	40	99	Glockenspiel Chimes
303	0	41	99	Clear Bells
304	0	42	99	Chorus Bells
305	0	65	99	Soft Crystal
306	0	70	99	Air Bells
307	0	71	99	Bell Harp
308	0	72	99	Gamelimba
309	0	18	100	Warm Atmosphere
310	0	19	100	Hollow Release
311	0	40	100	Nylon Electric Piano
312	0	64	100	Nylon Harp
313	0	65	100	Harp Vox
314	0	66	100	Atmosphere Pad
315	0	64	102	Goblins Synth
316	0	65	102	Creeper
317	0	67	102	Ritual
318	0	68	102	To Heaven
319	0	70	102	Night
320	0	71	102	Glisten
321	0	96	102	Bell Choir
322	0	32	105	Detuned Sitar
323	0	35	105	Sitar 2
324	0	97	105	Tamboura
325	0	28	106	Muted Banjo

Voice No.	Bank Select		MIDI Program Change# (1–128)	Voice Name
	MSB (0–127)	LSB (0–127)		
326	0	96	106	Rabab
327	0	97	106	Gopichant
328	0	98	106	Oud
329	0	96	108	Taisho-kin
330	0	97	108	Kanoon
331	0	96	113	Bonang
332	0	97	113	Altair
333	0	98	113	Gamelan Gongs
334	0	99	113	Stereo Gamelan Gongs
335	0	100	113	Rama Cymbal
336	0	97	115	Glass Percussion
337	0	98	115	Thai Bells
338	0	96	116	Castanets
339	0	96	117	Gran Cassa
340	0	64	118	Melodic Tom 2
341	0	65	118	Real Tom
342	0	66	118	Rock Tom
343	0	64	119	Analog Tom
344	0	65	119	Electronic Percussion
345	64	0	1	Cutting Noise
346	64	0	2	Cutting Noise 2
347	64	0	4	String Slap
348	64	0	17	Flute Key Click
349	64	0	33	Shower
350	64	0	34	Thunder
351	64	0	35	Wind
352	64	0	36	Stream
353	64	0	37	Bubble
354	64	0	38	Feed
355	64	0	49	Dog
356	64	0	50	Horse
357	64	0	51	Bird Tweet 2
358	64	0	56	Maou
359	64	0	65	Phone Call
360	64	0	66	Door Squeak
361	64	0	67	Door Slam
362	64	0	68	Scratch Cut
363	64	0	69	Scratch Split
364	64	0	70	Wind Chime
365	64	0	71	Telephone Ring 2
366	64	0	81	Car Engine Ignition
367	64	0	82	Car Tires Squeal
368	64	0	83	Car Passing
369	64	0	84	Car Crash
370	64	0	85	Siren
371	64	0	86	Train
372	64	0	87	Jet Plane
373	64	0	88	Starship
374	64	0	89	Burst
375	64	0	90	Roller Coaster
376	64	0	91	Submarine
377	64	0	97	Laugh
378	64	0	98	Scream
379	64	0	99	Punch
380	64	0	100	Heartbeat
381	64	0	101	Footsteps
382	64	0	113	Machine Gun
383	64	0	114	Laser Gun
384	64	0	115	Explosion
385	64	0	116	Firework

- " ▢ " indicates that the drum sound is the same as "Standard Kit 1".
- Each percussion voice uses one note.
- The MIDI Note # and Note are actually one octave lower than keyboard Note # and Note. For example, in "140: Standard Kit 1", the "Seq Click H" (Note# 36/Note C1) corresponds to (Note# 24/Note C0).

Keyboard Note#	Keyboard Note	MIDI Note#	MIDI Note	140 127/0/1 Standard Kit 1	141 127/0/2 Standard Kit 2	142 127/0/9 Room Kit	143 127/0/17 Rock Kit	144 127/0/25 Electronic Kit	145 127/0/26 Analog Kit
25	C# 0	13	C# -1	Surdo Mute					
26	D 0	14	D -1	Surdo Open					
27	D# 0	15	D# -1	Hi Q					
28	E 0	16	E -1	Whip Slap					
29	F 0	17	F -1	Scratch Push					
30	F# 0	18	F# -1	Scratch Pull					
31	G 0	19	G -1	Finger Snap					
32	G# 0	20	G# -1	Click Noise					
33	A 0	21	A -1	Metronome Click					
34	A# 0	22	A# -1	Metronome Bell					
35	B 0	23	B -1	Seq Click L					
36	C 1	24	C 0	Seq Click H					
37	C# 1	25	C# 0	Brush Tap					
38	D 1	26	D 0	Brush Swirl					
39	D# 1	27	D# 0	Brush Slap					
40	E 1	28	E 0	Brush Tap Swirl				Reverse Cymbal	Reverse Cymbal
41	F 1	29	F 0	Snare Roll					
42	F# 1	30	F# 0	Castanet				Hi Q 2	Hi Q 2
43	G 1	31	G 0	Snare H Soft	Snare H Soft 2		SD Rock H	Snare L	SD Rock H
44	G# 1	32	G# 0	Sticks					
45	A 1	33	A 0	Bass Drum Soft				Bass Drum H	Bass Drum H
46	A# 1	34	A# 0	Open Rim Shot	Open Rim Shot 2				
47	B 1	35	B 0	Bass Drum Hard			Bass Drum H	BD Rock	BD Analog L
48	C 2	36	C 1	Bass Drum	Bass Drum 2		BD Rock	BD Gate	BD Analog H
49	C# 2	37	C# 1	Side Stick					Analog Side Stick
50	D 2	38	D 1	Snare M	Snare M 2	SD Room L	SD Rock L	SD Rock L	Analog Snare 1
51	D# 2	39	D# 1	Hand Clap					
52	E 2	40	E 1	Snare H Hard	Snare H Hard 2	SD Room H	SD Rock Rim	SD Rock H	Analog Snare 2
53	F 2	41	F 1	Floor Tom L		Room Tom 1	Rock Tom 1	E Tom 1	Analog Tom 1
54	F# 2	42	F# 1	Hi-Hat Closed					Analog HH Closed 1
55	G 2	43	G 1	Floor Tom H		Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2
56	G# 2	44	G# 1	Hi-Hat Pedal					Analog HH Closed 2
57	A 2	45	A 1	Low Tom		Room Tom 3	Rock Tom 3	E Tom 3	Analog Tom 3
58	A# 2	46	A# 1	Hi-Hat Open					Analog HH Open
59	B 2	47	B 1	Mid Tom L		Room Tom 4	Rock Tom 4	E Tom 4	Analog Tom 4
60	C 3	48	C 2	Mid Tom H		Room Tom 5	Rock Tom 5	E Tom 5	Analog Tom 5
61	C# 3	49	C# 2	Crash Cymbal 1					Analog Cymbal
62	D 3	50	D 2	High Tom		Room Tom 6	Rock Tom 6	E Tom 6	Analog Tom 6
63	D# 3	51	D# 2	Ride Cymbal 1					
64	E 3	52	E 2	Chinese Cymbal					
65	F 3	53	F 2	Ride Cymbal Cup					
66	F# 3	54	F# 2	Tambourine					
67	G 3	55	G 2	Splash Cymbal					
68	G# 3	56	G# 2	Cowbell					Analog Cowbell
69	A 3	57	A 2	Crash Cymbal 2					
70	A# 3	58	A# 2	Vibraslap					
71	B 3	59	B 2	Ride Cymbal 2					
72	C 4	60	C 3	Bongo H					
73	C# 4	61	C# 3	Bongo L					
74	D 4	62	D 3	Conga H Mute					Analog Conga H
75	D# 4	63	D# 3	Conga H Open					Analog Conga M
76	E 4	64	E 3	Conga L					Analog Conga L
77	F 4	65	F 3	Timbale H					
78	F# 4	66	F# 3	Timbale L					
79	G 4	67	G 3	Agogo H					
80	G# 4	68	G# 3	Agogo L					
81	A 4	69	A 3	Cabasa					
82	A# 4	70	A# 3	Maracas					Analog Maracas
83	B 4	71	B 3	Samba Whistle H					
84	C 5	72	C 4	Samba Whistle L					
85	C# 5	73	C# 4	Guiro Short					
86	D 5	74	D 4	Guiro Long					
87	D# 5	75	D# 4	Claves					Analog Claves
88	E 5	76	E 4	Wood Block H					
89	F 5	77	F 4	Wood Block L					
90	F# 5	78	F# 4	Cuica Mute				Scratch Push	Scratch Push
91	G 5	79	G 4	Cuica Open				Scratch Pull	Scratch Pull
92	G# 5	80	G# 4	Triangle Mute					
93	A 5	81	A 4	Triangle Open					
94	A# 5	82	A# 4	Shaker					
95	B 5	83	B 4	Jingle Bell					
96	C 6	84	C 5	Bell Tree					
97	C# 6	85	C# 5						
98	D 6	86	D 5						
99	D# 6	87	D# 5						
100	E 6	88	E 5						
101	F 6	89	F 5						
102	F# 6	90	F# 5						
103	G 6	91	G 5						

Keyboard reference (left margin): C1, C#1, D1, D#1, E1, F1, F#1, G1, G#1, A1, A#1, B1, C2, C#2, D2, D#2, E2, F2, F#2, G2, G#2, A2, A#2, B2, C3, C#3, D3, D#3, E3, F3, F#3, G3, G#3, A3, A#3, B3, C4, C#4, D4, D#4, E4, F4, F#4, G4, G#4, A4, A#4, B4, C5, C#5, D5, D#5, E5, F5, F#5, G5, G#5, A5, A#5, B5, C6

Voice No.					140	146	147	148	149
MSB (0–127) / LSB (0–127) / PC (1–128)					127/0/1	127/0/28	127/0/33	127/0/41	127/0/49
Keyboard		MIDI							
Note#	Note	Note#	Note		Standard Kit 1	Dance Kit	Jazz Kit	Brush Kit	Symphony Kit
25	C# 0	13	C# -1		Surdo Mute				
26	D 0	14	D -1		Surdo Open				
27	D# 0	15	D# -1		Hi Q				
28	E 0	16	E -1		Whip Slap				
29	F 0	17	F -1		Scratch Push				
30	F# 0	18	F# -1		Scratch Pull				
31	G 0	19	G -1		Finger Snap				
32	G# 0	20	G# -1		Click Noise				
33	A 0	21	A -1		Metronome Click				
34	A# 0	22	A# -1		Metronome Bell				
35	B 0	23	B -1		Seq Click L				
36	C 1	24	C 0		Seq Click H				
37	C# 1	25	C# 0		Brush Tap				
38	D 1	26	D 0		Brush Swirl				
39	D# 1	27	D# 0		Brush Slap				
40	E 1	28	E 0		Brush Tap Swirl	Reverse Cymbal			
41	F 1	29	F 0		Snare Roll				
42	F# 1	30	F# 0		Castanet	Hi Q 2			
43	G 1	31	G 0		Snare H Soft	AnSD Snappy	SD Jazz H Light	Brush Slap L	
44	G# 1	32	G# 0		Sticks				
45	A 1	33	A 0		Bass Drum Soft	AnBD Dance-1			Bass Drum L
46	A# 1	34	A# 0		Open Rim Shot	AnSD OpenRim			
47	B 1	35	B 0		Bass Drum Hard	AnBD Dance-2			Gran Cassa
48	C 2	36	C 1		Bass Drum	AnBD Dance-3	BD Jazz	BD Jazz	Gran Cassa Mute
49	C# 2	37	C# 1		Side Stick	Analog Side Stick			
50	D 2	38	D 1		Snare M	AnSD Q	SD Jazz L	Brush Slap	Marching Sn M
51	D# 2	39	D# 1		Hand Clap				
52	E 2	40	E 1		Snare H Hard	AnSD Ana+Acoustic	SD Jazz M	Brush Tap	Marching Sn H
53	F 2	41	F 1		Floor Tom L	Analog Tom 1	Jazz Tom 1	Brush Tom 1	Jazz Tom 1
54	F# 2	42	F# 1		Hi-Hat Closed	Analog HH Closed 3			
55	G 2	43	G 1		Floor Tom H	Analog Tom 2	Jazz Tom 2	Brush Tom 2	Jazz Tom 2
56	G# 2	44	G# 1		Hi-Hat Pedal	Analog HH Closed 4			
57	A 2	45	A 1		Low Tom	Analog Tom 3	Jazz Tom 3	Brush Tom 3	Jazz Tom 3
58	A# 2	46	A# 1		Hi-Hat Open	Analog HH Open 2			
59	B 2	47	B 1		Mid Tom L	Analog Tom 4	Jazz Tom 4	Brush Tom 4	Jazz Tom 4
60	C 3	48	C 2		Mid Tom H	Analog Tom 5	Jazz Tom 5	Brush Tom 5	Jazz Tom 5
61	C# 3	49	C# 2		Crash Cymbal 1	Analog Cymbal			Hand Cym. L
62	D 3	50	D 2		High Tom	Analog Tom 6	Jazz Tom 6	Brush Tom 6	Jazz Tom 6
63	D# 3	51	D# 2		Ride Cymbal 1				Hand Cym.Short L
64	E 3	52	E 2		Chinese Cymbal				
65	F 3	53	F 2		Ride Cymbal Cup				
66	F# 3	54	F# 2		Tambourine				
67	G 3	55	G 2		Splash Cymbal				
68	G# 3	56	G# 2		Cowbell	Analog Cowbell			
69	A 3	57	A 2		Crash Cymbal 2				Hand Cym. H
70	A# 3	58	A# 2		Vibraslap				
71	B 3	59	B 2		Ride Cymbal 2				Hand Cym.Short H
72	C 4	60	C 3		Bongo H				
73	C# 4	61	C# 3		Bongo L				
74	D 4	62	D 3		Conga H Mute	Analog Conga H			
75	D# 4	63	D# 3		Conga H Open	Analog Conga M			
76	E 4	64	E 3		Conga L	Analog Conga L			
77	F 4	65	F 3		Timbale H				
78	F# 4	66	F# 3		Timbale L				
79	G 4	67	G 3		Agogo H				
80	G# 4	68	G# 3		Agogo L				
81	A 4	69	A 3		Cabasa				
82	A# 4	70	A# 3		Maracas	Analog Maracas			
83	B 4	71	B 3		Samba Whistle H				
84	C 5	72	C 4		Samba Whistle L				
85	C# 5	73	C# 4		Guiro Short				
86	D 5	74	D 4		Guiro Long				
87	D# 5	75	D# 4		Claves	Analog Claves			
88	E 5	76	E 4		Wood Block H				
89	F 5	77	F 4		Wood Block L				
90	F# 5	78	F# 4		Cuica Mute	Scratch Push			
91	G 5	79	G 4		Cuica Open	Scratch Pull			
92	G# 5	80	G# 4		Triangle Mute				
93	A 5	81	A 4		Triangle Open				
94	A# 5	82	A# 4		Shaker				
95	B 5	83	B 4		Jingle Bell				
96	C 6	84	C 5		Bell Tree				
97	C# 6	85	C# 5						
98	D 6	86	D 5						
99	D# 6	87	D# 5						
100	E 6	88	E 5						
101	F 6	89	F 5						
102	F# 6	90	F# 5						
103	G 6	91	G 5						

* Actual keyboard notes of the SFX Kit 1 and 2 are one octave lower than the ones described in the list below.

Voice No.				150	151	152
MSB (0–127) / LSB (0–127) / PC (1–128)				126/0/1	126/0/2	126/0/113
Keyboard		MIDI		SFX Kit 1 *	SFX Kit 2 *	Sound Effect Kit
Note#	Note	Note#	Note			
25	C# 0	13	C# -1			
26	D 0	14	D -1			
27	D# 0	15	D# -1			
28	E 0	16	E -1			
29	F 0	17	F -1			
30	F# 0	18	F# -1			
31	G 0	19	G -1			
32	G# 0	20	G# -1			
33	A 0	21	A -1			
34	A# 0	22	A# -1			
35	B 0	23	B -1			
36	C 1	24	C 0			Drum Loop
37	C# 1	25	C# 0			
38	D 1	26	D 0			
39	D# 1	27	D# 0			
40	E 1	28	E 0			
41	F 1	29	F 0			
42	F# 1	30	F# 0			
43	G 1	31	G 0			
44	G# 1	32	G# 0			
45	A 1	33	A 0			
46	A# 1	34	A# 0			
47	B 1	35	B 0			
48	C 2	36	C 1	Cutting Noise	Phone Call	Heartbeat
49	C# 2	37	C# 1	Cutting Noise 2	Door Squeak	Footsteps
50	D 2	38	D 1	Door Slam		Door Squeak
51	D# 2	39	D# 1	String Slap	Scratch Cut	Door Slam
52	E 2	40	E 1		Scratch	Applause
53	F 2	41	F 1		Wind Chime	Camera
54	F# 2	42	F# 1		Telephone Ring 2	Horn
55	G 2	43	G 1			Hiccup
56	G# 2	44	G# 1			Cuckoo Clock
57	A 2	45	A 1			Stream
58	A# 2	46	A# 1			Frog
59	B 2	47	B 1			Rooster
60	C 3	48	C 2			Dog
61	C# 3	49	C# 2			Cat
62	D 3	50	D 2			Owl
63	D# 3	51	D# 2			Horse Gallop
64	E 3	52	E 2	Flute Key Click	Car Engine Ignition	Horse Neigh
65	F 3	53	F 2		Car Tires Squeal	Cow
66	F# 3	54	F# 2		Car Passing	Lion
67	G 3	55	G 2		Car Crash	Scratch
68	G# 3	56	G# 2		Siren	Yo!
69	A 3	57	A 2		Train	Go!
70	A# 3	58	A# 2		Jet Plane	Get up!
71	B 3	59	B 2		Starship	Whoow!
72	C 4	60	C 3		Burst	Huuaah!
73	C# 4	61	C# 3		Roller Coaster	
74	D 4	62	D 3		Submarine	
75	D# 4	63	D# 3			
76	E 4	64	E 3			
77	F 4	65	F 3			
78	F# 4	66	F# 3			
79	G 4	67	G 3			
80	G# 4	68	G# 3	Shower	Laugh	
81	A 4	69	A 3	Thunder	Scream	
82	A# 4	70	A# 3	Wind	Punch	
83	B 4	71	B 3	Stream	Heartbeat	
84	C 5	72	C 4	Bubble	Footsteps	Uh!+Hit
85	C# 5	73	C# 4	Feed		
86	D 5	74	D 4			
87	D# 5	75	D# 4			
88	E 5	76	E 4			
89	F 5	77	F 4			
90	F# 5	78	F# 4			
91	G 5	79	G 4			
92	G# 5	80	G# 4			
93	A 5	81	A 4			
94	A# 5	82	A# 4			
95	B 5	83	B 4			
96	C 6	84	C 5	Dog	Machine Gun	
97	C# 6	85	C# 5	Horse	Laser Gun	
98	D 6	86	D 5	Bird Tweet 2	Explosion	
99	D# 6	87	D# 5		Firework	
100	E 6	88	E 5			
101	F 6	89	F 5			
102	F# 6	90	F# 5			
103	G 6	91	G 5	Maou		

Song List

Song No.	Song Name
Top Picks	
001	Demo 1
002	Demo 2
003	Demo 3
ORCHESTRA	
004	Danse des Mirlitons from "The Nutcracker" (P.I. Tchaikovsky)
005	"Orphée aux Enfers" Ouverture (J. Offenbach)
006	Slavonic Dances No.10 (A. Dvořák)
007	La Primavera (from Le Quattro Stagioni) (A. Vivaldi)
008	Méditation (Thaïs) (J. Massenet)
009	Guillaume Tell (G. Rossini)
010	Frühlingslied (F. Mendelssohn)
011	Ungarische Tänze Nr.5 (J. Brahms)
PIANIST	
012	Dolly's Dreaming and Awakening (T. Oesten)
013	La Candeur (J.F. Burgmüller)
014	Arabesque (J.F. Burgmüller)
015	Pastorale (J.F. Burgmüller)
016	Petite Réunion (J.F. Burgmüller)
017	Innocence (J.F. Burgmüller)
018	Progrès (J.F. Burgmüller)
019	Tarentelle (J.F. Burgmüller)
020	La Chevaleresque (J.F. Burgmüller)
021	Etude op.10-3 "Chanson de l'adieu" (F. Chopin)
022	Marcia alla Turca (L.v. Beethoven)
023	Turkish March (W.A. Mozart)
024	Valse op.64-1 "Petit Chien" (F. Chopin)
025	Menuett (L. Boccherini)
026	Nocturne op.9-2 (F. Chopin)
027	Moments Musicaux op.94-3 (F. Schubert)
028	The Entertainer (S. Joplin)
029	Prelude (Wohltemperierte Klavier 1-1) (J.S. Bach)
030	La Viollette (Streabbog)
031	Für Elise (L.v. Beethoven)
PRACTICE	
032	America the Beautiful (S.A. Ward)
033	Londonderry Air (Traditional)
034	Ring de Banjo (S.C. Foster)
035	Wenn ich ein Vöglein wär ? (Traditional)
036	Die Lorelei (F. Silcher)
037	Funiculi Funicula (L. Denza)
038	Turkey in the Straw (Traditional)
039	Old Folks at Home (S.C. Foster)
040	Jingle Bells (J.S. Pierpont)
041	Muss i denn (F. Silcher)
042	Liebesträume Nr.3 (F. Liszt)
043	Jesu, Joy Of Man's Desiring (J.S. Bach)
044	Ode to Joy (L.v. Beethoven)
045	Song of the Pearl Fisher (G. Bizet)
046	Gavotte (F.J. Gossec)
047	String Quartet No.17 2nd mov. "Serenade" (F.J. Haydn)
048	Menuett (J.S. Bach)
049	Canon (J. Pachelbel)
050	From "The Magic Flute" (W.A Mozart)
051	Piano Sonate op.27-2 "Mondschein" (L.v. Beethoven)
052	"The Surprise" Symphony (F.J. Haydn)
053	To a Wild Rose (E.A. MacDowell)
054	Chanson du Toreador (G. Bizet)
055	O Mio Babbino Caro (G. Puccini)

Song No.	Song Name
DUET	
056	Row Row Row Your Boat (Traditional)
057	On Top of Old Smoky (Traditional)
058	We Wish You A Merry Christmas (Traditional)
059	Scarborough Fair (Traditional)
060	Im Mai (Traditional)
061	O Christmas Tree (Traditional)
062	Mary Had a Little Lamb (Traditional)
063	Ten Little Indians (Septimus Winner)
064	Pop Goes The Weasel (Traditional)
065	Twinkle Twinkle Little Star (Traditional)
066	Close Your Hands, Open Your Hands (J.J. Rousseau)
067	The Cuckoo (Traditional)
068	O du lieber Augustin (Traditional)
069	London Bridge (Traditional)
CHORD LESSON	
070	Bill Bailey (Won't You Please Come Home) (H. Cannon)
071	When Irish Eyes Are Smiling (E.R. Ball)
072	Down by the Riverside (Traditional)
073	When the Saints Go Marching In (Traditional)
074	Frühlingsstimmen (J. Strauss II)
075	Camptown Races (S.C. Foster)
076	Little Brown Jug (Joseph Winner)
077	Loch Lomond (Traditional)
078	Oh! Susanna (S.C. Foster)
079	Greensleeves (Traditional)
080	Aura Lee (G. Poulton)
081	Silent Night (F. Gruber)
082	The Danube Waves (I. Ivanovici)
083	Twinkle Twinkle Little Star (Traditional)
084	Close Your Hands, Open Your Hands (J.J. Rousseau)
085	The Cuckoo (Traditional)
086	O du lieber Augustin (Traditional)
087	London Bridge (Traditional)
088	American Patrol (F.W. Meacham)
089	Beautiful Dreamer (S.C. Foster)
090	Battle Hymn of the Republic (Traditional)
091	Home Sweet Home (H. Bishop)
092	Valse Des Fleurs (From "The Nutcracker") (P.I. Tchaikovsky)
093	Aloha Oe (Q. Liliuokalani)
094	I've Been Working On The Railroad (Traditional)
095	My Darling Clementine (Traditional)
096	Auld Lang Syne (Traditional)
097	Grandfather's Clock (H.C. Work)
098	Amazing Grace (Traditional)
099	My Bonnie (H.J Fulmer)
100	Yankee Doodle (Traditional)
101	Joy to the World (G.F. Händel)
102	Ave Maria (F. Schubert)

- 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 the Song Book, complete the user registration at the following website.

  https://member.yamaha.com/myproduct/regist/

Style List

Style No.	Style Name
8Beat	
001	8BeatModern
002	60sGtrPop
003	8BeatAdria
004	60s8Beat
005	8Beat
006	OffBeat
007	60sRock
008	HardRock
009	RockShuffle
010	8BeatRock
16Beat	
011	16Beat
012	PopShuffle
013	GuitarPop
014	16BtUptempo
015	KoolShuffle
016	HipHopLight
Ballad	
017	PianoBallad
018	LoveSong
019	6/8ModernEP
020	6/8SlowRock
021	OrganBallad
022	PopBallad
023	16BeatBallad
Dance	
024	EuroTrance
025	Ibiza
026	SwingHouse
027	Clubdance
028	ClubLatin
029	Garage1
030	Garage2
031	TechnoParty
032	UKPop
033	HipHopGroove
034	HipShuffle
035	HipHopPop
Disco	
036	70sDisco
037	LatinDisco
038	SaturdayNight
039	DiscoHands
Swing&Jazz	
040	BigBandFast
041	BigBandBallad
042	JazzClub
043	Swing1
044	Swing2
045	Five/Four
046	Dixieland
047	Ragtime

Style No.	Style Name
R&B	
048	Soul
049	DetroitPop
050	6/8Soul
051	CrocoTwist
052	Rock&Roll
053	ComboBoogie
054	6/8Blues
Country	
055	CountryPop
056	CountrySwing
057	Country2/4
058	Bluegrass
Latin	
059	BrazilianSamba
060	BossaNova
061	Forro
062	Tijuana
063	Mambo
064	Salsa
065	Beguine
066	Reggae
Ballroom	
067	VienneseWaltz
068	EnglishWaltz
069	Slowfox
070	Foxtrot
071	Quickstep
072	Tango
073	Pasodoble
074	Samba
075	ChaChaCha
076	Rumba
077	Jive
Trad&World	
078	USMarch
079	6/8March
080	GermanMarch
081	PolkaPop
082	OberPolka
083	Tarantella
084	Showtune
085	ChristmasSwing
086	ChristmasWaltz
087	ScottishReel
Waltz	
088	SwingWaltz
089	JazzWaltz
090	CountryWaltz
091	OberWalzer
092	Musette

Style No.	Style Name
Pianist	
093	Stride
094	PianoSwing
095	Arpeggio
096	Habanera
097	SlowRock
098	8BeatPianoBallad
099	6/8PianoMarch
100	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
01–02	Chorus 1–2	Conventional chorus program with rich, warm chorusing.
03–04	Flanger 1–2	This produces a rich, animated wavering effect in the sound.
05	Off	No effect.

Specifications

Size/Weight	Dimensions (W x D x H)		945mm x 348mm x 117mm (37-3/16" x 13-11/16" x 4-5/8")
	Weight		4.0kg (not including batteries) (8lbs 13oz.)
Keyboard	Number of Keys		61
Display	Display		LCD display
	Language		English
Voices	Tone Generation	Tone Generating Technology	AWM Stereo Sampling
	Polyphony	Number of Polyphony (Max.)	32
	Preset	Number of Voices	139 panel Voices + 13 drum/SFX kits + 233 XGlite Voices
	Compatibility		GM/XGlite
Effects	Types	Reverb	9 types
		Chorus	4 types
		Ultra-Wide Stereo	3 types
		Master EQ	6 types
	Functions	Panel Sustain	Yes
Accompaniment Styles	Preset	Number of Preset Styles	100
		Fingering	Multi finger
		Style Control	ACMP ON/OFF, SYNC START, START/STOP, INTRO/ENDING/rit., MAIN/AUTO FILL
	Other Features	One Touch Setting (OTS)	Yes
Songs	Preset	Number of Preset Songs	102
Function	Lesson/Guide		[1 LISTEN & LEARN], [2 TIMING], [3 WAITING], [A-B REPEAT], [CHORD DICTIONARY]
	Overall	Metronome	Yes
		Tempo Range	11–280
		Transpose	-12 to 0, 0 to +12
		Tuning	427.0–440.0–453.0 Hz (approx. 0.2Hz increments)
	Miscellaneous	Portable Grand Button	Yes
Connectivity			USB TO HOST, DC IN 12V, PHONES/OUTPUT, SUSTAIN
Amplifiers/Speakers	Amplifiers		2.5W+2.5W
	Speakers		12cm×2
Power Supply	Power Supply	Adaptor	Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha Others: PA-3C, PA-130 or an equivalent
		Batteries	Six "AA" size alkaline (LR6), manganese (R6) or Ni-MH rechargeable batteries
	Power Consumption		8W (When using PA-130 power adaptor)
	Auto Power Off Function		Yes
Accessories	Included Accessories		• Music Rest • Owner's Manual • AC Power adaptor [*1] (PA-130 or an equivalent recommended by Yamaha) • Online Member Product Registration *1 May not be included depending on your particular area. Please check with your Yamaha dealer.

	Optional Accessories		• AC Power Adaptor:
			  Users within U.S or Europe: PA-130 or an equivalent recommended by Yamaha
			  Others: PA-3C, PA-130 or an equivalent
			• Keyboard Stand: L-2C
			• Headphones: HPE-150/HPE-30
			• Footswitch: FC4/FC5
			• USB MIDI Interface for iPhone/iPod touch/iPad (i-UX1)

* Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.

Index

Memo

(US only)

YAMAHA

LIMITED 1-YEAR WARRANTY ON
PORTABLE KEYBOARDS
(NP, NPV, PSRE, 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. Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the product, as evidence of warranty coverage. Should any product submitted for warranty service be found ineligible therefore, an estimate of repair cost will be furnished and the repair will be accomplished only if requested by you and upon receipt of payment or acceptable arrangement for payment.

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

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

YAMAHA

CUSTOMER SERVICE
Yamaha Corporation of America
6600 Orangethorpe Avenue, Buena Park, California 90620-1373
Telephone: 800-854-1569
www.yamaha.com
Do not return any product to the above address without a written Return Authorization issued by YAMAHA.

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

Important Notice: Guarantee Information for customers in EEA* and Switzerland   English

For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area

Wichtiger Hinweis: Garantie-Information für Kunden in der EWR* und der Schweiz   Deutsch

Für nähere Garantie-Information über dieses Produkt von Yamaha, sowie über den Pan-EWR*- und Schweizer Garantieservice, besuchen Sie bitte entweder die folgend angegebene Internetadresse (eine druckfähige Version befindet sich auch auf unserer Webseite), oder wenden Sie sich an den für Ihr Land zuständigen Yamaha-Vertrieb. *EWR: Europäischer Wirtschaftsraum

Remarque importante: informations de garantie pour les clients de l'IEEE et la Suisse   Français

Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'IEEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE : Espace Economique Européen

Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland   Nederlands

Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vind een afdrukbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte

Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza   Español

Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la versión del archivo para imprimir está disponible en nuestro sitio web) o póngase en contacto con el representante local de Yamaha. * EEE: Espacio Económico Europeo

Avviso importante: informazioni sulla garanzia per i clienti residenti nell'IEEA* e in Svizzera   Italiano

Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi IEEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattare l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea

Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça   Português

Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representação da Yamaha no seu país. * AEE: Área Económica Europeia

Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Ελβετία   Ελληνικά

Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλες τις χώρες του ΕΟΧ και την Ελβετία, επισκεφτείτε την παρακάτω ιστοσελίδα (Εκτυπώσιμη μορφή είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθυνθείτε στην αντιπροσωπεία της Yamaha στη χώρα σας. * ΕΟΧ: Ευρωπαϊκός Οικονομικός Χώρος

Viktigt: Garantiinformation för kunder i EES-området* och Schweiz   Svenska

För detaljerad information om denna Yamahaprodukt samt garantiservice i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. * EES: Europeiska Ekonomiska Samarbetsområdet

Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits   Norsk

Detaljert garantiinformasjon om dette Yamaha-produktet og garantiservice for hele EØS-området* og Sveits kan fås enten ved å besøke nettadressen nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte kontakte Yamaha-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet

Vigtig oplysning: Garantioplysninger til kunder i EØO* og Schweiz   Dansk

De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantiserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØO: Det Europæiske Økonomiske Område

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Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA)* ja Sveitsin asiakkaille   Suomi

Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettiosoitteesta. (Tulostettava tiedosto saatavissa sivustollamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan. *ETA: Euroopan talousalue

Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii   Polski

Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (Plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy

Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku   Česky

Podrobné záruční informace o tomto produktu Yamaha a záručním servisu v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zastoupení firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor

Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára   Magyar

A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájlt is talál), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviseleti irodával. * EGT: Európai Gazdasági Térség

Oluline märkus: Garantiiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele   Eesti keel

Täpsema teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval prinditav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond

Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē   Latviešu

Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzu, apmeklējiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar jūsu valsti apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona

Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje   Lietuvių kalba

Jei reikia išsamios informacijos apie šį „Yamaha" produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdintinas failas) arba kreipkitės į „Yamaha" atstovybę savo šaliai. *EEE — Europos ekonominė erdvė

Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku   Slovenčina

Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garančnom servise v celom EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor

Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici   Slovenščina

Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi. * EGP: Evropski gospodarski prostor

Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария   Български език

За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или за посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство

Notificare importantă: Informaţii despre garanţie pentru clienţii din SEE* şi Elveţia   Limba română

Pentru informaţii detaliate privind acest produs Yamaha şi serviciul de garanţie Pan-SEE* şi Elveţia, vizitaţi site-ul la adresa de mai jos (fişierul imprimabil este disponibil pe site-ul nostru) sau contactaţi biroul reprezentanţei Yamaha din ţara dumneavoastră . * SEE: Spaţiul Economic European

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

URL_4

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

Pour plus de détails sur les produits, veuillez-vous adresser à Yamaha ou au distributeur le plus proche de vous figurant dans la liste suivante.

Para obter detalhes de produtos, entre em contato com o representante mais próximo da Yamaha ou com o distribuidor autorizado relacionado a seguir.

Die Einzelheiten zu Produkten sind bei Ihrer unten aufgeführten Niederlassung und bei Yamaha Vertragshändlern in den jeweiligen Bestimmungsländern erhältlich.

Para detalles sobre productos, contacte su tienda Yamaha más cercana o el distribuidor autorizado que se lista debajo.

Подробные сведения об инструменте можно получить у местного представителя корпорации Yamaha или уполномоченного дистрибьютора, указанного в следующем списке.

NORTH AMERICA

CANADA
Yamaha Canada Music Ltd.
135 Milner Avenue, Scarborough, Ontario,
M1S 3R1, Canada
Tel: 416-298-1311

U.S.A.
Yamaha Corporation of America
6600 Orangethorpe Ave., Buena Park, Calif. 90620,
U.S.A.
Tel: 714-522-9011

CENTRAL & SOUTH AMERICA

MEXICO
Yamaha De México, S.A. de C.V.
Av. Insurgentes Sur 1647 "Prisma Insurgentes",
Col. San José Insurgentes, Del. Benito Juárez,
03900, México, D.F.
Tel: 55-5804-0600

BRAZIL
Yamaha Musical do Brasil Ltda.
Rua Joaquim Floriano, 913 - 4' andar, Itaim Bibi,
CEP 04534-013 Sao Paulo, SP. BRAZIL
Tel: 011-3704-1377

ARGENTINA
Yamaha Music Latin America, S.A.
Sucursal de Argentina
Olga Cossettini 1553, Piso 4 Norte
Madero Este-C1107CEK
Buenos Aires, Argentina
Tel: 011-4119-7000

PANAMA AND OTHER LATIN AMERICAN COUNTRIES/ CARIBBEAN COUNTRIES
Yamaha Music Latin America, S.A.
Torre Banco General, Piso 7, Urbanización Marbella,
Calle 47 y Aquilino de la Guardia,
Ciudad de Panamá, Panamá
Tel: +507-269-5311

EUROPE

THE UNITED KINGDOM/IRELAND
Yamaha Music Europe GmbH (UK)
Sherbourne Drive, Tilbrook, Milton Keynes,
MK7 8BL, England
Tel: 01908-366700

GERMANY
Yamaha Music Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: 04101-3030

SWITZERLAND/LIECHTENSTEIN
Yamaha Music Europe GmbH
Branch Switzerland in Zürich
Seefeldstrasse 94, 8008 Zürich, Switzerland
Tel: 044-387-8080

AUSTRIA
Yamaha Music Europe GmbH Branch Austria
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-60203900

CZECH REPUBLIC/HUNGARY/ ROMANIA/SLOVAKIA/SLOVENIA
Yamaha Music Europe GmbH
Branch Austria (Central Eastern Europe Office)
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-602039025

POLAND/LITHUANIA/LATVIA/ESTONIA
Yamaha Music Europe GmbH
Branch Poland Office
ul. Wrotkowa 14 02-553 Warsaw, Poland
Tel: 022-500-2925

BULGARIA
Dinacord Bulgaria LTD.
Bul.Iskarsko Schose 7 Targowski Zentar Ewropa
1528 Sofia, Bulgaria
Tel: 02-978-20-25

MALTA
Olimpus Music Ltd.
The Emporium, Level 3, St. Louis Street Msida
MSD06
Tel: 02133-2144

THE NETHERLANDS/ BELGIUM/LUXEMBOURG
Yamaha Music Europe Branch Benelux
Clarissenhof 5-b, 4133 AB Vianen, The Netherlands
Tel: 0347-358 040

FRANCE
Yamaha Music Europe
7 rue Ambroise Croizat, Zone d'activités Pariest,
77183 Croissy-Beaubourg, France
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