



DIGITAL KEYBOARD

*PSR-***E233**

YPT-230

Owner's Manual




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. Before using the instrument, be sure to read "PRECAUTIONS" on pages 4–5.

(US only)

 **YAMAHA**
LIMITED 1-YEAR WARRANTY ON
PORTABLE KEYBOARDS
(NP, NPV, PSRE, 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.

©2009 Yamaha Corporation of America.

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.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

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



WARNING

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

Power supply/AC power adaptor

- Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.
- Only use the voltage specified as correct for the instrument. The required voltage is printed on the name plate of the instrument.
- Use the specified adaptor (page 42) only. Using the wrong adaptor can result in damage to the instrument or overheating.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it.

Do not open

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

Water warning

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

Fire warning

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



CAUTION

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

Power supply/AC power adaptor

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

Location

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

Battery

- Always replace all batteries at the same time. Do not use new batteries together with old ones.
- Do not mix battery types, such as alkaline batteries with manganese batteries, or batteries from different makers, or different types of batteries from the same maker, since this can cause overheating, fire, or battery fluid leakage.
- Do not tamper with or disassemble batteries.
- Do not dispose of batteries in fire.
- Do not attempt to recharge batteries that are not intended to be charged.
- Keep batteries away from children.
- If the batteries do leak, avoid contact with the leaked fluid. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor. Battery fluid is corrosive and may possibly cause loss of sight or chemical burns.
- Always make sure all batteries are inserted in conformity with the +/- polarity markings. Failure to do so might result in overheating, fire, or battery fluid leakage.
- When the batteries run out, or if the instrument is not to be used for a long time, remove the batteries from the instrument to prevent possible leakage of the battery fluid.

If you notice any abnormality

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

Connections

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

Handling caution

- Do not insert a finger or hand in any gaps on the instrument.
- Never insert or drop paper, metallic, or other objects into the gaps on the panel 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 power 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.
- 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.

● 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.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

About the Manuals

This instrument has the following documents and instructional materials.

■ Included Documents

Owner's Manual (this book)

■ Online Materials (Downloadable from the web)

The following instructional materials are available for downloading from the Yamaha website.

Yamaha Manual Library <http://www.yamaha.co.jp/manual/>

Access the Yamaha Manual Library, then enter your model name (PSR-E233, for example) in the Model Name area to search the manuals.



MIDI Data Format

This document contains both the MIDI Data Format and the MIDI Implementation Chart.



MIDI Basics (only in English, French, German and Spanish)

If you want to know more about MIDI and how to use it, refer to this introductory book.

Yamaha Online Member <https://member.yamaha.com/myproduct/regist/>

You can refer to the music score in the Song Book (free downloadable scores). To obtain the Song Book, complete the user registration at the above website.



Song book (only in English, French, German and Spanish)

Logos



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.



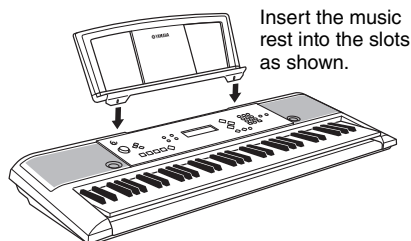
XGlite

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.

Supplied Accessories

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

Using the music rest



Contents

About the Manuals.....	6
Logos.....	6
Supplied Accessories	6
Using the music rest.....	6

Introduction

Setting Up **8**

Power Requirements.....	8
Connecting headphones and external audio equipment.....	9
Connecting a footswitch	9
Turn on the power	9
Auto Power Off function.....	9

Panel Controls and Terminals **10**

Basic Operation and Displays **12**

Basic Operation.....	12
Display.....	13

Reference

Try Playing a Variety of Instrument Voices **14**

Select and Play a Voice.....	14
Playing the Grand Piano Voice.....	15
Fun Sounds	15
Try playing with enhanced, dynamic sound (Ultra-Wide Stereo).....	15

Play with a Style **16**

Select a Style Rhythm	16
Play Along with a Style.....	17
Pattern Variation (Sections).....	18
Chords.....	19
Looking up Chords Using the Chord Dictionary .	20
Try Playing a Song with a Style!.....	21

Playing Songs **22**

Select and Listen to a Specific Song.....	22
Listening to the Demo Songs	23
BGM Playback.....	23

Using the Lesson Feature **24**

Song Lesson.....	24
A-B Repeat.....	26
Mute.....	26
Using the Metronome	27
Changing the Tempo.....	27

Function Settings **28**

Select the item and change the value.....	28
---	----

About MIDI **31**

What is MIDI?.....	31
Transferring Performance Data To and From Another Instrument.....	31

Appendix

Troubleshooting..... **32**

Voice List..... **33**

Drum Kit List..... **37**

Song List..... **39**

Style List..... **40**

Effect Type List..... **41**

Specifications..... **42**

Index..... **43**

Setting Up

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

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 [⏻] (Standby/On) switch of the instrument is off (display is blank, except for notation staff).

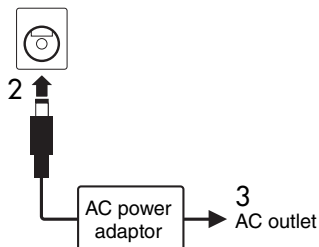
⚠ **WARNING**

- Use the specified adaptor (page 42). The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.

- 2 Connect the AC power adaptor to the power supply jack.
- 3 Plug the AC adaptor into an AC outlet.

⚠ **CAUTION**

- Unplug the AC Power Adaptor when not using the instrument, or during electrical storms.

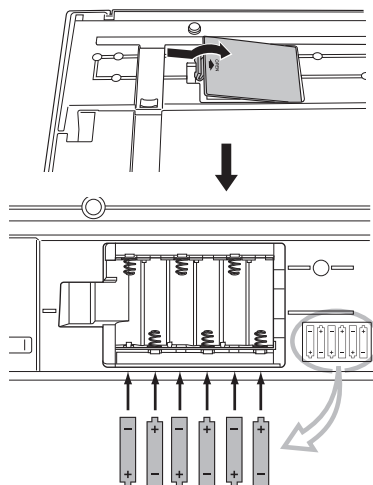


Using Batteries

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

NOTICE

- Never connect or disconnect the AC power adaptor when the batteries are installed in the instrument and the power is on. Doing so will turn the power off.



For battery operation the instrument requires six 1.5V “AA” size, LR6 or equivalent batteries. (Alkaline batteries are recommended.) When battery power becomes too low for proper operation, the volume may be reduced, the sound may be distorted, and other problems may occur. When this happens, make sure to replace all batteries, following the precautions listed below.

⚠ **WARNING**

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

NOTE

- Use alkaline batteries for this instrument. Other types of batteries (including rechargeable batteries) may have sudden drops of power when battery power becomes low.

Make all necessary connections BEFORE turning the power on.

Connecting headphones and external audio equipment



You can connect the PHONES/OUTPUT jack to a set of headphones, keyboard amplifier, stereo system, mixer, tape recorder, or other line-level audio device to send the instrument's output signal to that device.

The internal speakers are automatically shut off when a plug is inserted into this jack. The PHONES/OUTPUT jack also functions as an external output.

NOTE

- You can set the Master equalizer (EQ) which is provided to give you the best possible sound when listening through different reproduction systems. The Master equalizer (EQ) can be set in the Function settings (page 29 Function 013).

CAUTION

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

CAUTION

- To prevent damage to the speakers, set the volume of the external devices at the minimum setting and turn power off the devices before connecting them. Failure to observe these precautions may result in electric shock or equipment damage. Also, be sure to set the volumes of all devices at their minimum levels and gradually raise the volume controls while playing the instrument to set the desired listening level.

Connecting a footswitch



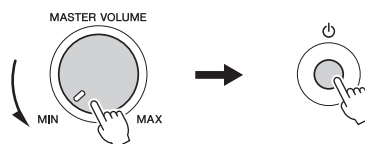
The sustain function lets you produce a natural sustain as you play by pressing an optional footswitch. Plug the Yamaha FC4 or FC5 footswitch into the SUSTAIN jack and use it to switch sustain on and off.

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.

Turn on the power

Turn down the volume by turning the [MASTER VOLUME] control to the left and press the [⏻] (Standby/On) switch to turn on the power. While playing the keyboard, adjust the volume level by using the [MASTER VOLUME] control. Pressing the [⏻] (Standby/On) switch again turns the power off.



CAUTION

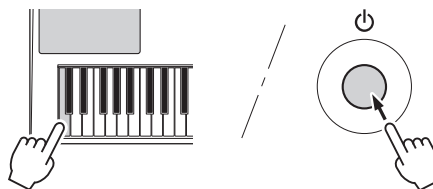
- When using a power adaptor, even when the power is off, a small amount of electricity is still being consumed by the instrument. When you are not using the instrument for a long time, make sure to unplug the AC power adaptor from the wall AC outlet, and/or remove the batteries from the instrument.

Auto Power Off function

To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not used for approximately 30 minutes.

To disable the Auto Power Off function

While holding down the lowest key, press the [⏻] (Standby/On) switch to turn on the power. Alternately select "Off" in the Function settings (page 30 Function 024).



NOTE

- Any settings will be restored to the factory default settings when the power is turned off.

Panel Controls and Terminals

Front Panel

- ① [⏻] (Standby/On) switch..... page 9
- ② [MASTER VOLUME] control page 9
- ③ [1 LISTEN & LEARN] button..... page 24
- ④ [2 TIMING] button page 24
- ⑤ [3 WAITING] button page 24
- ⑥ LESSON PART
 - [L] button page 25
 - [R] button page 25
- ⑦ [METRONOME] button page 27
- ⑧ [TEMPO/TAP] button page 27
- ⑨ [SONG] button pages 12, 22
- ⑩ [VOICE] button pages 12, 14
- ⑪ [STYLE] button pages 12, 16
- ⑫ Number buttons [0]–[9], [+], [-] page 12
- ⑬ [FUNCTION] button page 28
- ⑭ [DEMO/BGM] button page 23

In the Song mode

- ⑮ [A-B REPEAT] button page 26
- ⑯ [REW] button page 22
- ⑰ [FF] button page 22
- ⑱ [PAUSE] button..... page 22

In the Style mode

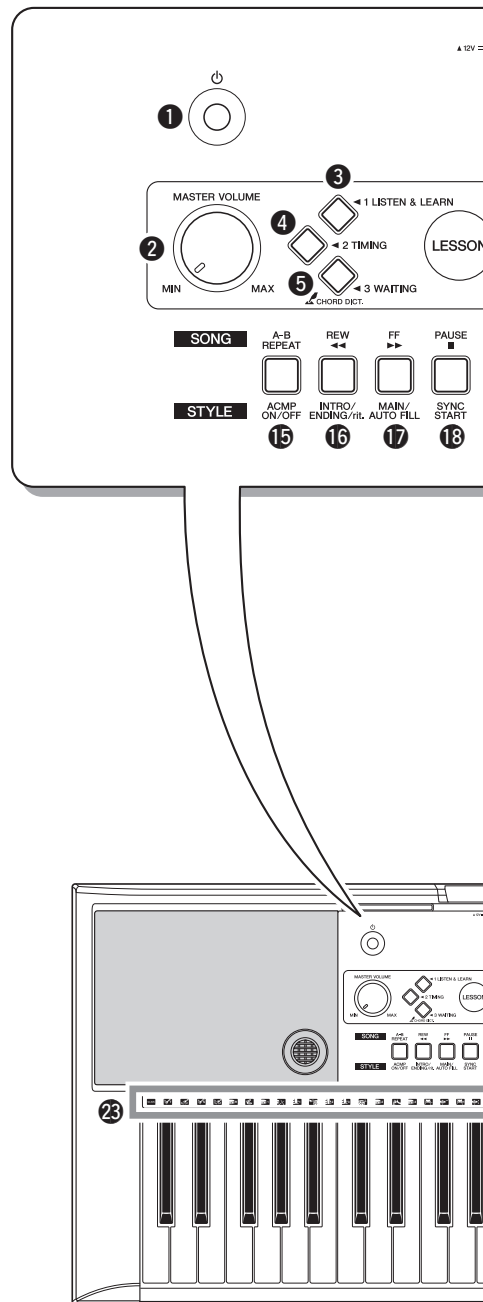
- ⑮ [ACMP ON/OFF] button page 17
- ⑯ [INTRO/ENDING/rit.] button page 18
- ⑰ [MAIN/AUTO FILL] button page 18
- ⑱ [SYNC START] button page 17

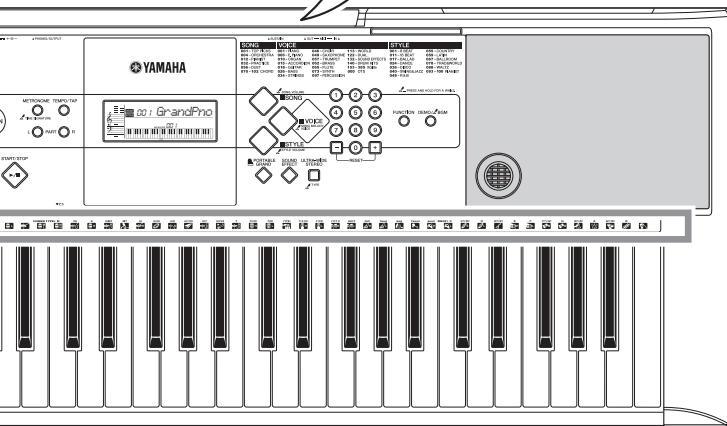
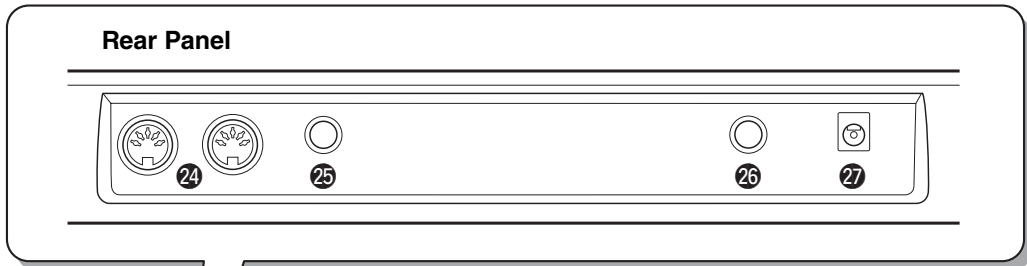
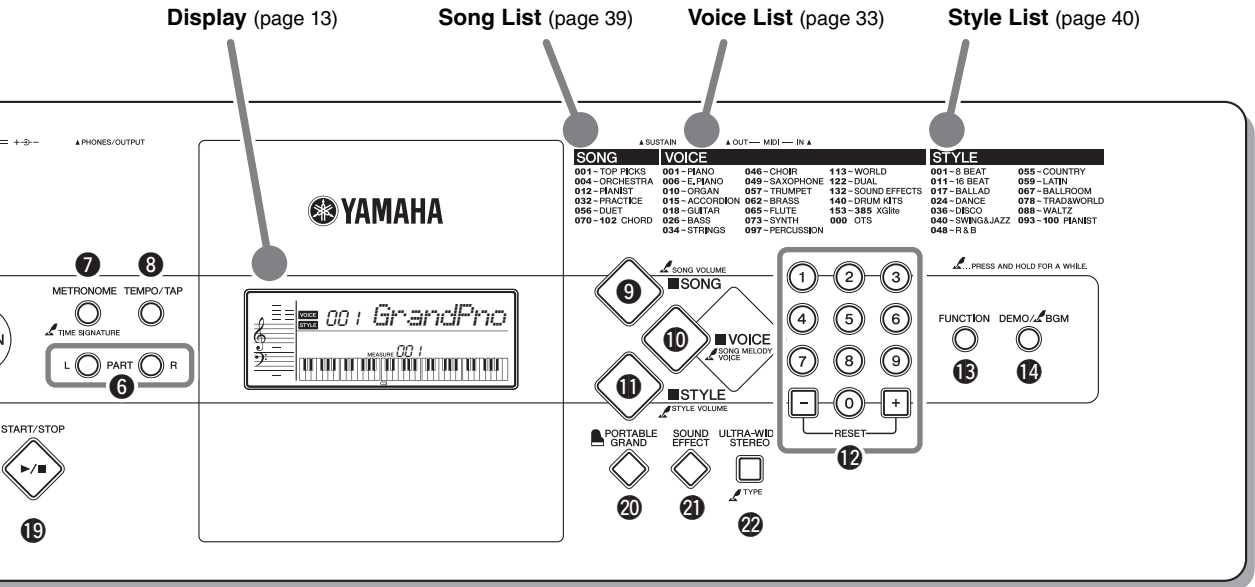
- ⑲ [START/STOP] button pages 12, 22
- ⑳ [PORTABLE GRAND] button page 15
- ㉑ [SOUND EFFECT] button page 15
- ㉒ [ULTRA-WIDE STEREO] button page 15
- ㉓ Drum Kit..... page 14

Rear Panel

- ⑳ MIDI IN/OUT terminals page 31
- ㉕ SUSTAIN jack page 9
- ㉖ PHONES/OUTPUT jack page 9
- ㉗ DC IN jack page 8

Front Panel





METRONOME

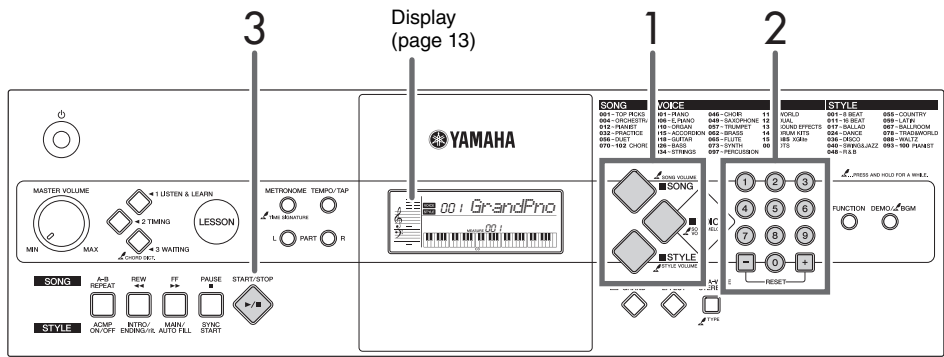
The "Press & Hold" Symbol

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.

Basic Operation and Displays

Basic Operation

Press a button to select a basic function: Voice, Style or Song. To change the instrument voice that sounds when you play the keyboard, press the [VOICE] button. If you want to play along with auto accompaniment, press the [STYLE] button. If you want to listen to a song, press the [SONG] button.



1 Select a basic function.

- [SONG] button To select a Song.
- [VOICE] button To select a Voice.
- [STYLE] button To select a Style.

When you select a basic function, the name and number of the currently selected Song, Style or Voice is shown.

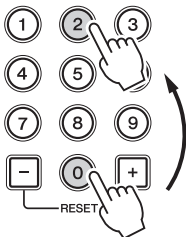
2 Select an item or value by using the number buttons [0]–[9], [+], [-].

Refer to the Song, Voice and Style Lists on pages 33–40.

Number buttons [0]–[9]

The number buttons can be used to directly enter a Song, Style or Voice number or parameter value. For numbers that start with one or two zeroes, the first zeroes can be omitted.

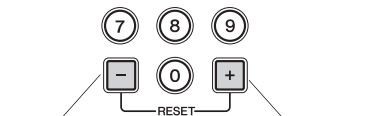
Example:
Selecting Voice 002,
Grand Piano2.



Press number buttons [0], [0], [2].

[+], [-] 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.

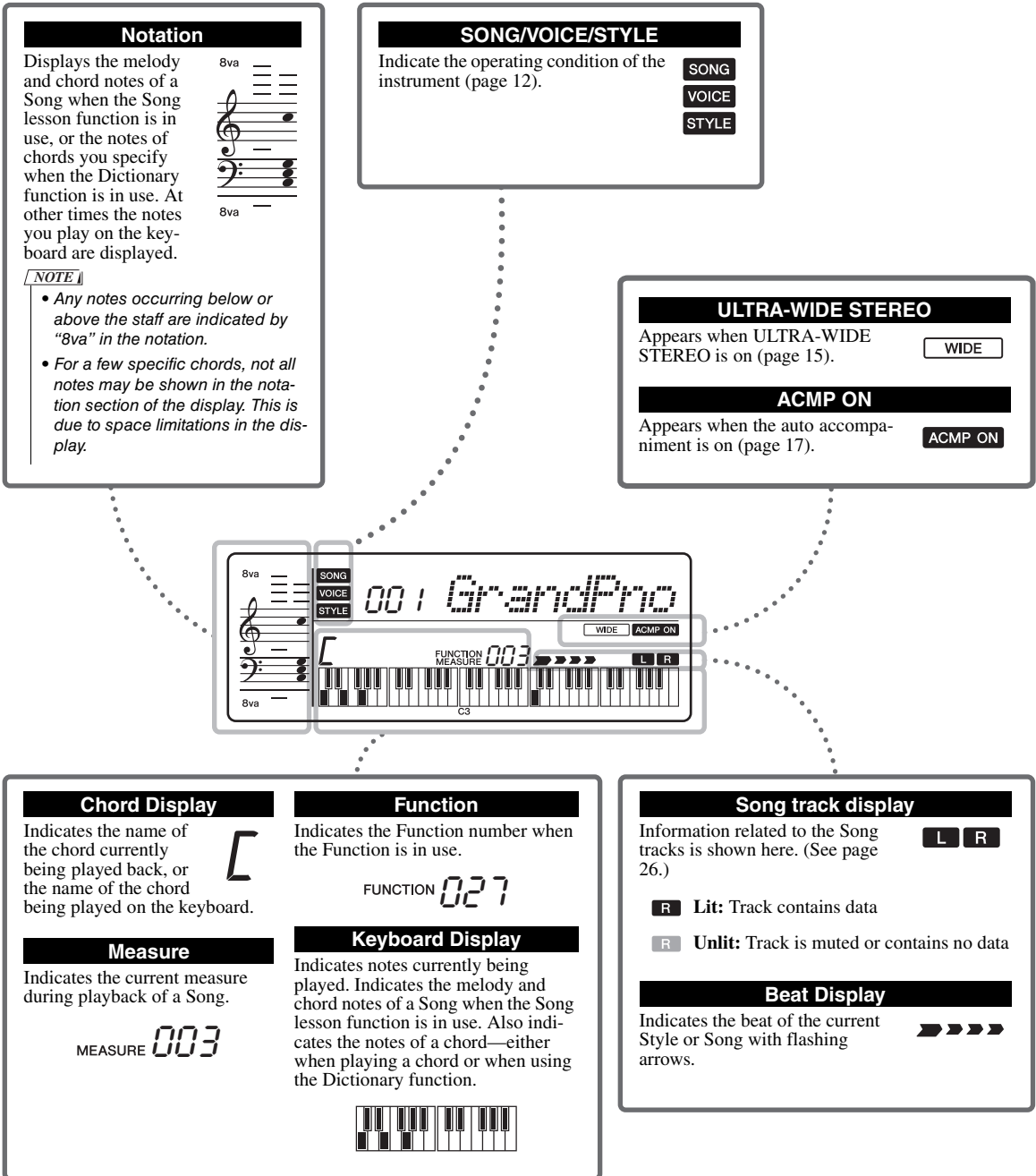
3 Start a function or play the keyboard.

- Voice Play the keyboard.
- Song Press the [START/STOP] button to play Songs.
- Style Press the [START/STOP] button to play the Style rhythm.

You can stop playback at any time by pressing the [START/STOP] button.

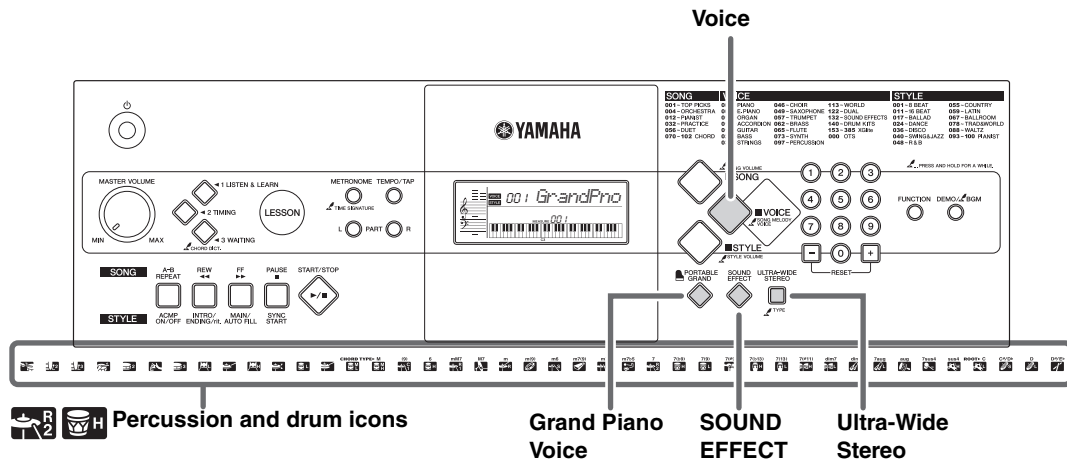
Display

The Main display shows all of the current basic settings for Song, Style and Voice. It also includes a range of indicators that show the on/off status for various functions.



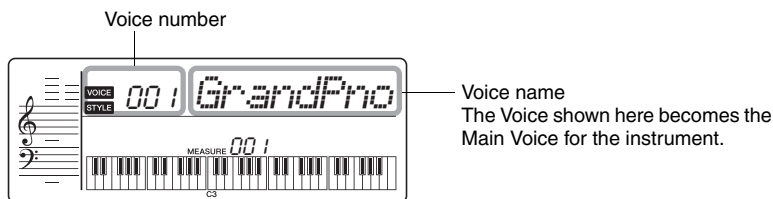
Try Playing a Variety of Instrument Voices

This instrument features a variety of realistic, built-in voices. The grand piano Voice is automatically selected whenever the power is turned on, but you can easily change this to guitar, drums, or any of an extensive range of voices.



Select and Play a Voice

Press the [VOICE] button and then select the desired Voice, referring to the section “Basic Operation” on page 12 for instructions. Refer to the Voice List on page 33.



Preset Voice Types

001–139	Instrument Voices
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 37.
153–385	XGlite Voices
000	One Touch Setting (OTS) The One Touch Setting feature automatically selects the most suitable Voice for you when you select a Style or Song. Simply select Voice number “000” to activate this feature.

Playing the Grand Piano Voice

When you simply want to play a piano Voice, all you have to do is press one convenient button.

Press the [PORTABLE GRAND] button.

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

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.

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.”

Try playing with enhanced, dynamic sound (Ultra-Wide Stereo)

You can play the keyboard with a spacious, dynamic sound effect that gives you the sensation of hearing the sound outside of the speakers.

Turn on the Ultra-Wide Stereo effect, and hear the sound expand around you—as if the speaker position is outside of the instrument.

Press the [ULTRA-WIDE STEREO] button.



WIDE

Appears when Ultra-Wide Stereo is on.

NOTE

- The wide effect type can be set in the Function settings (page 29 Function 014).

SHORTCUT

You can jump directly to the Functions Settings by pressing and holding the [ULTRA-WIDE STEREO] button for longer than a second.

To turn ULTRA-WIDE STEREO off, press the [ULTRA-WIDE STEREO] button again.

Adding other effects to the sound

You can also play the sounds of the instrument adding Reverb, Chorus and Sustain.

The best-suited Reverb and Chorus type is automatically selected whenever you select a Song or Style, but you can select any of the available Reverb or Chorus Types. These effects can be set in the Function setting (page 29). Refer to the Reverb and Chorus Type lists on page 41 for details.

Reverb This effect adds the ambience of a room or concert hall to the sound.

Chorus This effect makes the Voice sound richer, warmer and more spacious.

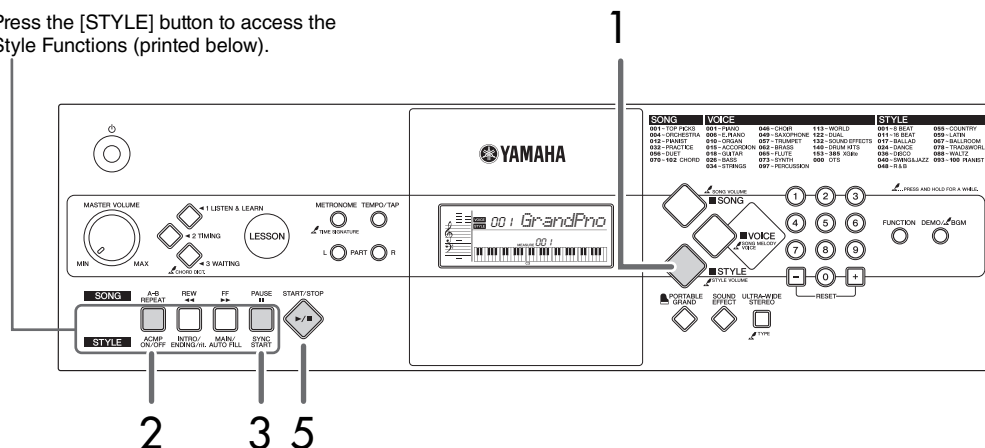
Panel Sustain This function adds a fixed sustain to the keyboard Voices.

The sustain function can also be applied with the optional footswitch (page 9).

Play with a Style

This instrument has an auto accompaniment feature that produces accompaniment (rhythm + bass + chords) in the style you choose to match chords you play with your left hand. You can select from 100 different styles covering a range of musical genres and time signatures.

Press the [STYLE] button to access the Style Functions (printed below).

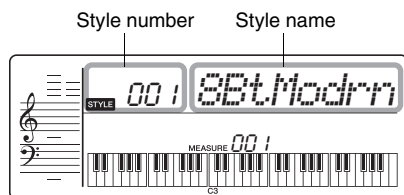


Select a Style Rhythm

Most Styles include a rhythm part. Let's begin by listening to just the basic rhythm. The rhythm part is played using percussion instruments only.

Press the [STYLE] button and then select the desired Style, referring to the section "Basic Operation" on page 12 for instructions.

Refer to the Style List on page 40.



NOTE

- To adjust the tempo of the Style, see page 27.

Press the [START/STOP] button to play back the Style rhythm.

Press the [START/STOP] button a second time when you want to stop playback.

NOTE

- Since the Pianist category Styles (093–100) have no rhythm parts, no sound will be produced if you start rhythm-only playback. To use these Styles, turn on the auto accompaniment and play the keyboard as described on page 17 (The bass and chord accompaniment parts will sound.)

Play Along with a Style

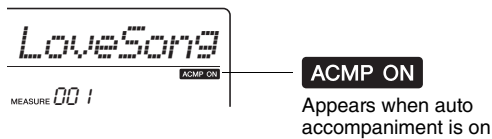
Here we'll see how to add bass and chord accompaniment to the basic rhythm to produce a full, rich accompaniment that you can play along with.

1 Press the [STYLE] button and select the desired Style.

For instructions on how to select a Style, see page 12.

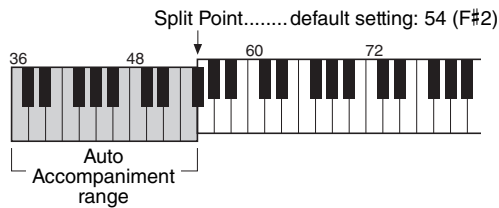
2 Press the [ACMP ON/OFF] button to turn automatic accompaniment on.

Pressing this button a second time will turn automatic accompaniment off.



When auto accompaniment is on ...

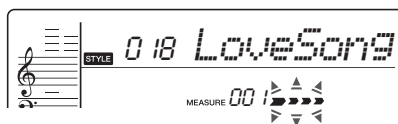
The keys to the left of the Split Point (54; F#2) will play only chords. This is known as the "Auto Accompaniment range."



NOTE 1

- The Split Point setting can be changed in the Function settings (page 29 Function 005).

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



Flashes when Sync Start is on.

4 Start playing.

Style playback will begin as soon as you play a chord in the Auto Accompaniment range of the keyboard. Try playing other chords with your left hand and play a melody with your right hand.

NOTE 1

- You can also press the [START/STOP] button to begin the rhythm of the selected Style. The bass and chords will begin playing as soon as you play a key in the Auto Accompaniment range of the keyboard.

5 Stop playing.

Playback will stop as soon as you press the [START/STOP] button.

You can also stop playing by pressing the [INTRO/ENDING/rit.] button so that an appropriate ending pattern will play and then Style playback will stop (page 18).

NOTE 1

- The Style Volume can be adjusted in the Function settings (page 29 Function 001).

SHORTCUT

You can jump directly to the Functions Settings by pressing and holding the [STYLE] button for longer than a second.

Pattern Variation (Sections)

The instrument features a wide variety of Style “Sections” (patterns) that allow you to vary the arrangement of the accompaniment to match the Song you are playing.

Adding an Intro

Pressing the [INTRO/ENDING/rit.] button before playing back the Style automatically adds a short introduction before starting the actual (Main) rhythm. When the intro finishes playing, Style playback shifts to the Main Section.

Adding an Ending

Press the [INTRO/ENDING/rit.] button to begin playing an ending Section. Playback will stop when the ending has played all the way through.



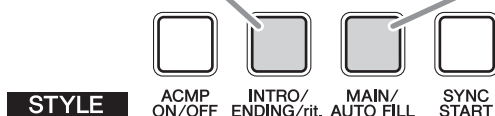
If you press the [INTRO/ENDING/rit.] button a second time (while the ending is playing) the ending will play ritardando (the tempo will gradually get slower).

Switching Main Sections

There are two variations on the basic pattern (A and B). This switches between the Main A and Main B Sections, automatically playing a fill-in pattern to smoothly lead into the next Section. You can also select either the Main A or B Section to start by pressing the [MAIN/AUTO FILL] button before starting the Style.

Adding a Fill-in

A Fill-in pattern is automatically added before changing to section A or B.



Recommended method for using Sections

■ Setup

1. Press the [STYLE] button and then select a Style.
2. Press the [ACMP ON/OFF] button to turn auto accompaniment on.
3. Press the [INTRO/ENDING/rit.] button.
4. Press the [MAIN/AUTO FILL] button to select Main A or Main B.
5. Press the [SYNC START] button to turn Sync Start on.

You're now ready to play the intro.

■ Start playing

6. As soon as you play a chord with your left hand, the Intro of the selected Style starts.
7. Press the [MAIN/AUTO FILL] button. (Switching Main Sections/Adding a Fill-in)

■ Ending

8. Press the [INTRO/ENDING/rit.] button. (Adding an Ending)
An appropriate ending Sections will play and then Style playback will stop.

You can have the ending gradually slow down (ritardando) by pressing the [INTRO/ENDING/rit.] button again while the ending is playing back.

Chords

For users who are new to chords, this chart conveniently shows common chords for your reference. Since there are many useful chords and many different ways to use them musically, refer to commercially available chord books for further details. You can also look up chords using the Chord Dictionary function in this instrument (page 20).

★ Indicates the root note.

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

- Inversions can be used as well as in "root" position—with the following exceptions: m7, m7^b5, 6, m6, sus4, aug, dim7, 7^b5, 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.
- If you play a chord which does not exist, the name of chord is not shown in the display, and the Style plays back only rhythm and bass.

Easy Chords

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

For root "C"



To play a major chord
Press the root note (★) of the chord.



To play a minor chord
Press the root note together with the nearest black key to the left of it.



To play a seventh chord
Press the root note together with the nearest white key to the left of it.



To play a minor seventh chord
Press the root note together with the nearest white and black keys to the left of it (three keys altogether).

Looking up Chords Using the Chord Dictionary

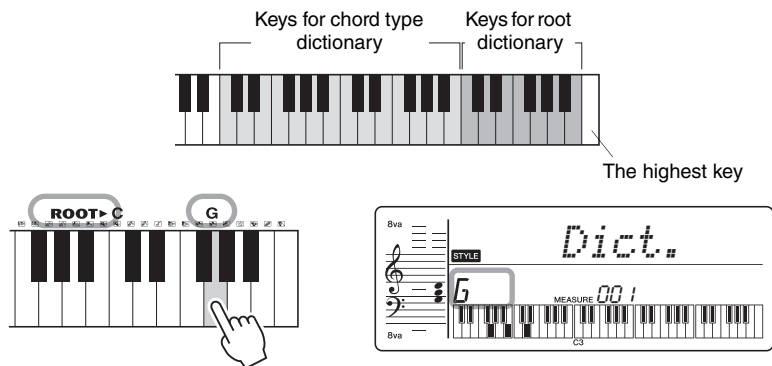
The Dictionary function is essentially a built-in “chord dictionary” that shows you the individual notes of chords. This is convenient when you know the name of a certain chord and want to quickly learn how to play it.

- 1 Press and hold the [3 WAITING] button for longer than a second.
“Dict.” will appear in the display.



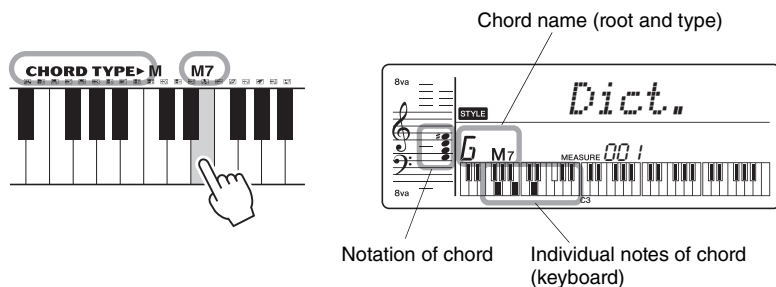
- 2 As an example, we'll learn how to play a GM7 (G major seventh) chord. Press the “G” key in the section of the keyboard labeled “ROOT ▶.” (The note doesn't sound.)

The root note you set is shown in the display.



- 3 Press the “M7” (major seventh) key in the section of the keyboard labeled “CHORD TYPE ▶.” (The note doesn't sound.)

The notes you should play for the specified chord (root note and chord type) are shown in the display, both as notation and in the keyboard diagram.



NOTE

- Major chords are usually indicated by the root name only. For example, the indication “C” in a score refers to a “C Major” chord. To look up the fingering for a major chord press the root key and then the M chord type key.
- 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

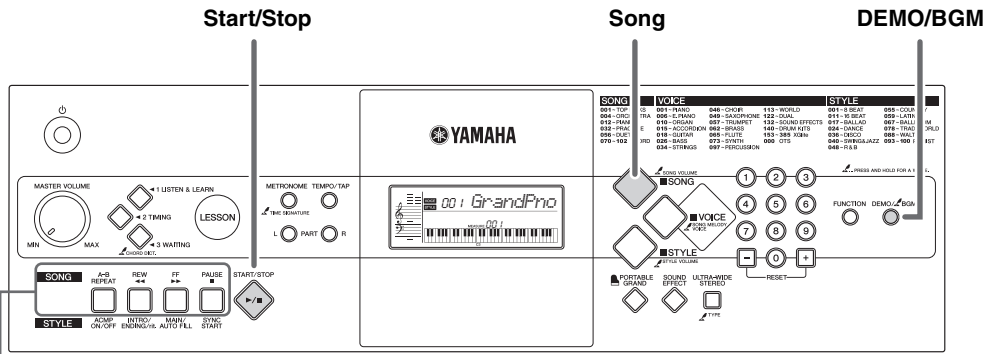
To call up possible inversions of the chord, press the [+]/[-] buttons.

- 4 Try playing a chord in the auto accompaniment range (refer on page 17) of the keyboard, checking the indications in the display.

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

Playing Songs

This instrument has 102 built-in Songs. For this instrument, the term “Song” refers to the data that makes up a piece of music. Try selecting and listening to the various Songs.



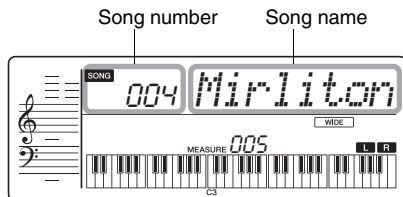
Press the [SONG] button to access the SONG functions (printed above the buttons).

Select and Listen to a Specific Song

Press the [SONG] button and then select the desired Song, referring to the section “Basic Operation” on page 12 for instructions. Refer to the Song List on page 39.

NOTE

- Song number “004” is automatically selected whenever the power is turned ON. When you want to select one of the Song numbers 001–003, use the number buttons [0]–[9], [+], [-].
- To adjust the tempo of song playback, see page 27.
- You can adjust the balance between Song playback and the notes you play on the keyboard by setting the volume of the playback sound (page 29 Function 002).

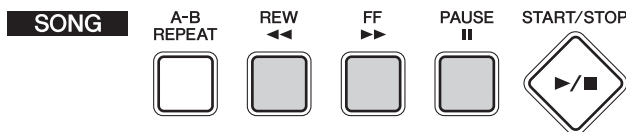


Press the [START/STOP] button to play back the Song. You can stop playback at any time by pressing the [START/STOP] button.

SHORTCUT

You can jump directly to the Function settings by pressing and holding the [SONG] button for longer than a second.

Rewind/Fast-forward/Pause



[REW] button.....Fast-reverses the Song if pressed during playback (no sound is heard during fast reverse). Decreases the measure number if pressed while playback is stopped.

[FF] buttonFast-forwards the Song if pressed during playback. Increases the measure number if pressed while playback is stopped.

[PAUSE] button.....Temporarily stops playback. Press this button a second time to resume playback from the point at which it was stopped.

Changing the Melody Voice

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

Select the desired Voice by using the number buttons [0]–[9], [+], [-].

After selecting the Song and playing it, press and hold the [VOICE] button for longer than a second.

“SONG MELODY VOICE” appears in the display for a few seconds, the selected Voice replaces the Song’s original melody Voice.

Listening to the Demo Songs

Press the [DEMO] button.

Songs 001, 002, 003 play in sequence, and playback will continue repeatedly starting again from the first Song 001.

You can stop playback at any time by pressing the [DEMO] or [START/STOP] button.

BGM Playback

With the default setting only a few of the internal songs are played back and repeated when the [DEMO/BGM] button is pressed. This setting can be changed so that all internal songs are played.

Four playback group settings are provided. Simply select the one that suits your needs.

1 Press and hold the [DEMO/BGM] button for longer than a second.

“DemoGrp” will appear in the display for a few seconds, then the currently selected repeat playback target will be displayed.

NOTE

- You can also set the demo group in the Function settings (page 30 Function 021).

DEMO/BGM



Hold for longer than a second.

2 Use the [+] or [-] button to select a repeat playback group from the table below.

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

NOTE

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

3 Press the [DEMO/BGM] button.

The songs in the group selected play in sequence.

You can stop playback at any time by pressing the [DEMO] or [START/STOP] button.

Random Song Playback

The Random Play mode causes the songs in the group selected for BGM playback to be played back in random order. (Demo group Songs [Preset Songs 001–003] cannot be played at random.)

The setting of the Random Play mode can be set in the Function settings (page 30 Function 022).

Using the Lesson Feature

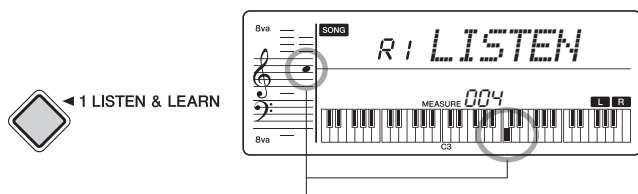
Song Lesson

You can select any Song you like and use it for a left-hand, right-hand, or both-hands lesson. Song Lesson lets you learn how to play Songs in three easy steps.

The Lesson modes:

■ Lesson 1 (Listen & Learn)

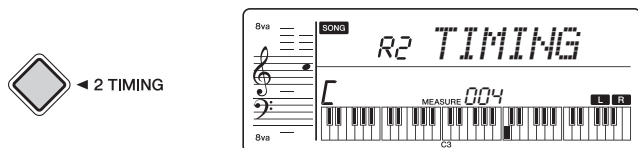
There's no need to play the keyboard in this mode. The model melody/chords (in other words, the musical material you should learn) of the part you selected will sound. Listen to it carefully and learn it well.



The notation and key positions of the model melody are shown in the display.

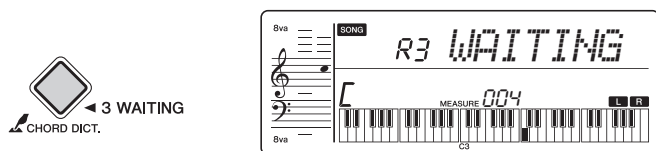
■ Lesson 2 (Timing)

In this mode, try playing the notes with the correct timing. Simply concentrate on playing each note in time with the rhythmic accompaniment. The correct notes sound even if you play wrong notes as long as you play in time with the rhythm. Play the notes shown in the display.



■ Lesson 3 (Waiting)

In this mode, try playing the correct notes. The notes you should play appear in the score and the keyboard on the display. The Song pauses until you play the right note. Song playback tempo will vary to match the speed you are playing at. The song will slow down when you play wrong notes, so you can learn at your own pace and tempo.



NOTE

- When you don't want to change the Song playback tempo, or you want to learn using the original tempo, you can change the setting in the Function settings (page 30 Function 020).

Lesson Operation

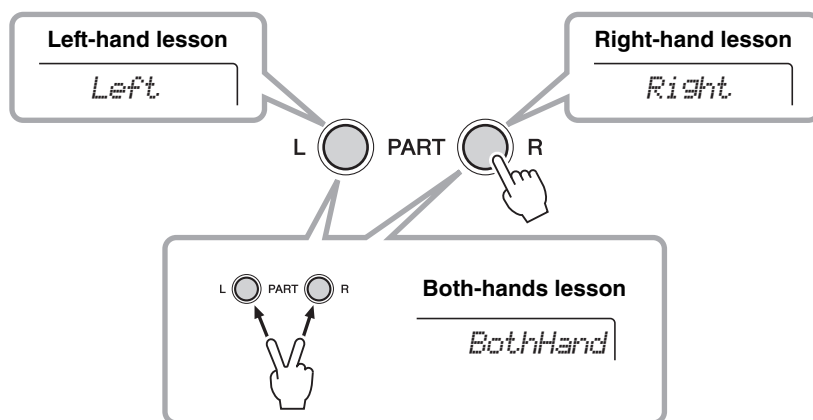
1 Select the desired Song for your lesson.

For instructions on how to select a Song, see page 12.

2 Select the part you want to practice.

Press the [R] button for a right-hand lesson, [L] button for a left-hand lesson, or press both the [R] and [L] buttons simultaneously for a both-hands lesson.

The selected part is displayed.

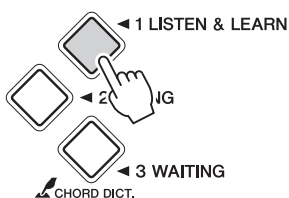


NOTE 1

- The following songs are intended for use as right-hand lessons, and cannot be used for left-hand or both-hands lessons. If you select a right-hand lesson Song, a "No LPart" message is shown in the display. Song numbers: 001

3 Select the Lesson mode.

Press any one of the [1 LISTEN & LEARN], [2 TIMING] or [3 WAITING] buttons. Refer to the Lesson modes on page 24.



NOTE 1

- 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 Voice selected.

NOTE 1

- You can select Lessons 1–3 by pressing the [LISTEN & LEARN], [TIMING] and [WAITING] buttons, respectively.

4 Start Lesson.

Song playback will begin automatically when you select the Lesson mode, and the appropriate notes appear in the display.

NOTE 1

- The Split Point is fixed and it cannot be changed. For the left-hand lesson, it is fixed at 59 or B2; for the left-hand chord lesson, it is fixed at 54 or F#2.

5 Stop the Lesson mode.

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

NOTE 1

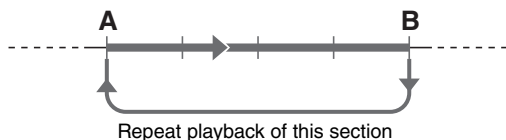
- Regardless of how strongly you play the keys, the level of the sound does not change. As a result, your performance may not sound exactly like the model or example, depending on the selected song.

Grade

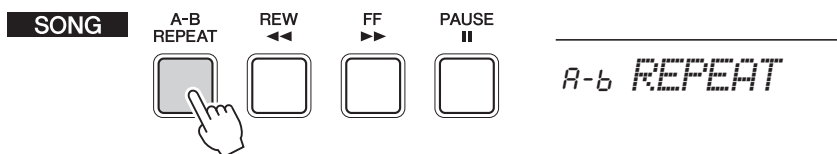
When the Lesson Song has played all the way through in Lesson mode "2 Timing" or "3 Waiting," your performance will be evaluated in four levels: OK, Good, Very Good, or Excellent.

A-B Repeat

This function lets you specify a section of a Song—"A" is the start point and "B" is the end point—for repeat playback.



Play the Song and press the [A-B REPEAT] button at the beginning of the section you want to repeat (the "A" point), then press the [A-B REPEAT] button a second time at the end of the section you want to repeat (the "B" point). The specified A-B section of the Song will now play repeatedly.



NOTE 1

- The repeat start and end points can be specified in one-measure increments.
- 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 very beginning of the Song press the [A-B REPEAT] button before starting playback of the Song.

You can stop repeat playback at any time by pressing the [A-B REPEAT] button. An "oFF REPEAT" message appears on the display. The A-B REPEAT mode will be canceled and normal playback of the Song will continue.

NOTE 1

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

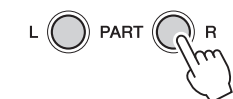
Mute

The Song is made up by several tracks.

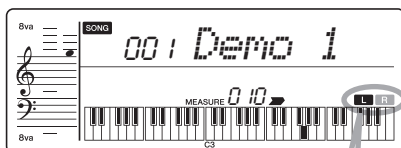
You can mute Track 1 or Track 2 during Song playback. You can turn the left- and right-hand parts on or off as desired, allowing you to listen to the corresponding part (the part that is turned on), or practice the corresponding part (the part that is turned off) on the keyboard.

- Track 1 can be muted by pressing the [R] button during Song playback.
- Track 2 or style track can be muted by pressing the [L] button during Song playback.

You can cancel the mute function by pressing the corresponding track buttons, [R] or [L] again during Song playback, or by selecting any other Song.



Pressing one of the Track buttons [R] or [L] will mute the corresponding track during Song playback.



Lit: Track contains data. Unlit: Track is muted or contains no data.

Using the Metronome

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

Press the [METRONOME] button to start the metronome.

To stop the metronome, press the [METRONOME] button again.



You can adjust the metronome tempo by pressing the [TEMPO/TAP] button (see next section).

NOTE 1

- You can set the time signature and the volume of the Metronome (page 29 Function 018–019).

SHORTCUT

You can jump directly to the Function settings by pressing and holding the [METRONOME] button for longer than a second.

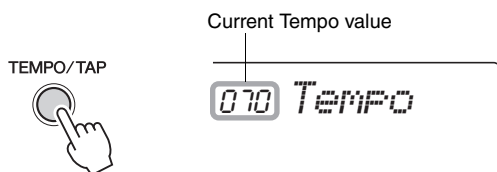
NOTE 2

- The metronome time signature will synchronize to a style or song that is playing, so these parameters cannot be changed while a style or song is playing.

Changing the Tempo

Songs and Styles can be played at any tempo you desire—fast or slow.

- Press the [TEMPO/TAP] button to call up the Tempo setting in the display.



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

NOTE 1

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

Tap Start

You can supply a count-in at any tempo you like to start playback. Simply tap the [TEMPO/TAP] button at any tempo—four times for time signatures in 4, and three times for time signatures in 3—and the selected Song and Style rhythm will begin playing at the tapped tempo.



NOTE 2

- In the case of a Style, the selected Style rhythm will begin playing at first. The bass and chords will begin playing as soon as you play a chord in the auto accompaniment range of the keyboard (when auto accompaniment is on).

You can change the tempo during Song or Style playback by pressing the button just twice.

Function Settings

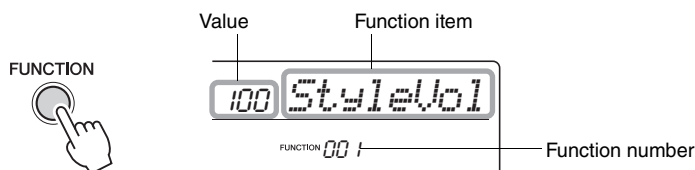
The [FUNCTION] button gives you access to a variety of operations related to adjusting or enhancing the sound and making settings for connection to external devices. For more about the available functions, see the following Function Setting List.

Select the item and change the value

1 Press the [FUNCTION] button a number of 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.

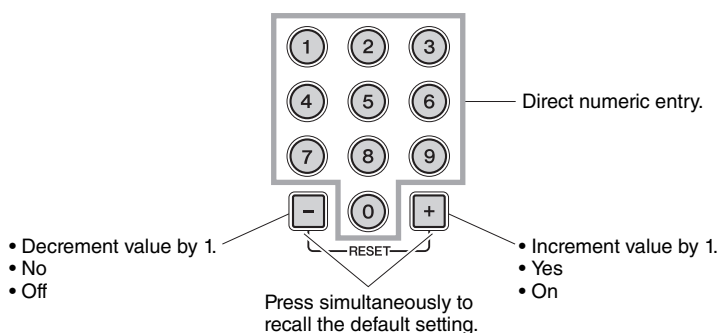


If the Function includes sub-modes, the Function item appears in the display for a few seconds, and the sub-modes will be displayed.

NOTE 1

- The Function number will not appear in the display during Song, Style or metronome playback. The measure will appear instead.

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



NOTE 1

- Any settings will be restored to the factory default settings when the power is turned off.
- To exit the Function settings, press one of these buttons; [SONG], [VOICE], [STYLE] or [GRAND PIANO].

Function Setting List

No.	Item	Display	Range/ settings	Default setting	Description
Volume					
001	Style Volume	<i>StyleVol</i>	000–127	100	Determines the volume of the Style.
002	Song Volume	<i>SongVol</i>	000–127	100	Determines the volume of the Song.
Overall					
003	Transpose	<i>TransPos</i>	-12–00–12	00	Determines the pitch of the instrument in semitone increments. NOTE: The pitch of the Drum Kits Voices cannot be changed.
004	Tuning	<i>Tuning</i>	427.0–453.0 (Hz)	440.0 (Hz)	Determines the fine tuning of the pitch of the entire instrument in approx. 0.2Hz increments. NOTE: The pitch of the Drum Kits Voices cannot be changed.
005	Split Point	<i>SplitPnt</i>	000–127 (C-2–G8)	54 (F#2)	Sets the Split “point”—in other words, the key that separates the auto accompaniment range and Main voice.
Main Voice					
006	Main Voice Volume	<i>M. Volume</i>	000–127	*	Determines the volume of the Main Voice to adjust the balance between Song playback and the notes you play on the keyboard.
007	Main Voice Octave	<i>M. Octave</i>	-2–0–2	*	Determines the octave range for the Main Voice.
008	Main Voice Chorus Send Level	<i>M. Chorus</i>	000–127	*	Determines how much of the Main Voice’s signal is sent to the Chorus effect.
Effect					
009	Reverb Type	<i>Reverb</i>	01–10	**	Determines the Reverb type, including off (10). Refer to the Reverb Type list on page 41.
010	Reverb Level	<i>RevLevel</i>	000–127	64	Determines how much of the Voice’s signal is sent to the Reverb effect.
011	Chorus Type	<i>Chorus</i>	1–5	**	Determines the Chorus type, including off (05). Refer to the Chorus Type list on page 41.
012	Panel Sustain	<i>Sustain</i>	ON/OFF	OFF	Determines whether or not Panel Sustain is always applied to the Main Voices. Panel Sustain is applied continuously when ON, or not applied when OFF.
013	Master EQ Type	<i>MasterEQ</i>	1 Speaker 2 Flat	1 Speaker	Sets the equalizer applied to the speaker output for optimum sound in different listening situations. Speaker: For listening via the instrument’s built-in speakers. Flat: For headphones, or for listening via external speakers.
014	Wide Type	<i>Wide</i>	1–3	2	Determines the Ultra-Wide Stereo type. Higher values produce a greater Wide effect.
MIDI					
015	Local On/Off	<i>Local</i>	ON/OFF	ON	Determines whether the instrument’s keyboard controls the internal tone generator (ON) or not (OFF). On Both the notes played on the instrument’s keyboard and data received via the instrument’s MIDI terminal will be played by the internal tone generator. Off With this setting, the instrument itself produces no sound, but the performance data is transmitted via the MIDI terminal. Data received via the instrument’s MIDI terminal will also be played by the internal tone generator.
016	External Clock	<i>ExtClock</i>	ON/OFF	OFF	Determines whether the instrument synchronizes to the internal clock (OFF) or an external clock (ON).
017	Initial Setup Send	<i>InitSend</i>	YES/NO	–	Lets you send the data of the panel settings to a computer. Use the [+] button to transmit the data.
Metronome					
018	Time Signature	<i>TimeSig</i>	00–15	**	Determines the time signature of the Metronome. A chime will sound on the first beat of each measure while the other beats will click. All beats will simply click with no chime at the beginning of each measure if you set this parameter to “00”.
019	Metronome Volume	<i>MetroVol</i>	000–127	100	Determines the volume of the Metronome.

Function Settings

No.	Item	Display	Range/ settings	Default setting	Description
Lesson					
020	Your Tempo	<i>YourTemp</i>	ON/OFF	ON	Determines whether the song playback tempo matches the speed at which you are playing (ON) or not (OFF), when using the "Waiting" Lesson mode.
Demo					
021	Demo Group	<i>DemoGrp</i>	1 DEMO 2 Preset 3 User 4 Download	1 DEMO	Determines the repeat playback group.
022	Demo Play Mode	<i>PlayMode</i>	1 Normal 2 Random	1 Normal	Determines the repeat playback mode.
023	Demo Cancel	<i>D-Cancel</i>	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/BGM] button is pressed.
Power Save					
024	Auto Power Off	<i>AutoOff</i>	ON/OFF	ON	Determines whether the Auto Power Off function is on or off. When this is set to ON, the instrument automatically turns the power off if the instrument is not used for approximately 30 minutes.

* Different for each voice combination.

** Different for each Song or Style combination.

About MIDI

The instrument features a MIDI terminals that can be connected to other MIDI instruments and devices for expanded musical functionality.

What is MIDI?

MIDI (Musical Instrument Digital Interface) is a world-standard interface for communication between electronic musical instruments and music devices. When MIDI-equipped instruments are connected via a MIDI cable, it becomes possible to transfer performance and setting data between them for significantly enhanced performance and production potential.



CAUTION

- Connect the instrument to external equipment only after turning off power for all devices. Then, turn on the power, first to the instrument, then to the connected external equipment. Reverse this order when you turn the power off.

NOTE

- MIDI cables (sold separately) must be used for connecting to MIDI devices. They can be bought at music stores, etc.

Transferring Performance Data To and From Another Instrument

By connecting the instrument to other MIDI devices or a computer, the performance data of the instrument can be used on those other MIDI devices or computer, and also the performance data from other MIDI devices and computer can be received and sounded with the instrument.

A Yamaha UX16 or similar USB-MIDI interface (sold separately) will be necessary for MIDI connection between the instrument and a USB-equipped computer. Make sure to purchase a Yamaha UX16 or a quality USB-MIDI interface at a musical instrument store, computer store or electrical appliance store.

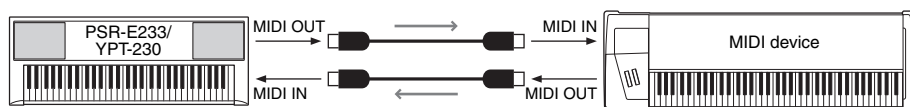
If you use the UX16 interface, install the driver supplied with the interface on your computer.

MIDI settings such as Local Control are made in the Function settings (page 29 Function 015–017).

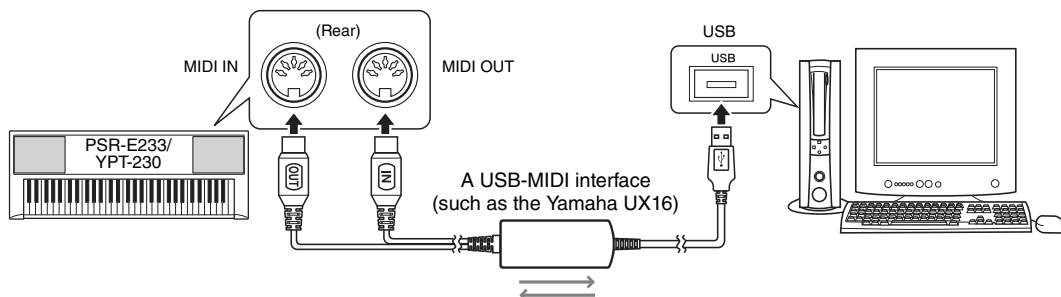
NOTE

- Preset Song data cannot be transmitted from the instrument by the Song Out function.

When the instrument is connected with another MIDI device, it transmits/receives performance data.



When the instrument is connected with a computer, it transmits/receives performance data.



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.
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. (See page 29 Function 015.)
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.
Playing keys in the right hand area of the keyboard does not produce any sound.	When using the Dictionary function (page 20), the keys in the right hand area are used only for entering the chord root and type.
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 29 (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 29 Function 001) is set to an appropriate level.
	Is the Split Point set at an appropriate key for the cords you are playing? Set the Split Point at an appropriate key (page 29 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.
	<ul style="list-style-type: none"> • 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.
Regardless of how strongly play the keys, the level of the sound does not change.	Since this keyboard does not have touch response, the level of the sound does not change in response to your playing strength.
<ul style="list-style-type: none"> • The volume is too soft. • The sound quality is poor. • The rhythm stops unexpectedly or will not play. • The Song, etc. does not play correctly. 	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 9). If you need to disable the Auto Power Off function, select "Off" in the Function settings (page 30 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 Split Voice and 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).

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.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
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	Harpichord
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

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
38	0	0	45	Tremolo Strings
39	0	0	46	Pizzicato Strings
40	0	0	41	Violin
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

Voice List

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
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
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	0	112	1	Octave Piano
123	0	112	1	Piano + Strings
124	0	112	1	Piano Pad
125	0	0	6	E.P. Pad
126	0	0	49	Octave Strings
127	0	0	62	Orchestra Tutti
128	0	0	49	Octave Choir
129	0	0	53	Octave Brass
130	0	0	62	Jazz Section
131	0	0	74	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

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
136	0	0	125	Telephone Ring
137	0	0	126	Helicopter
138	0	0	127	Applause
139	0	0	128	Gunshot
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	60's Drawbar Organ 1
181	0	34	17	60's Drawbar Organ 2
182	0	35	17	70's Drawbar Organ 1
183	0	37	17	60's Drawbar Organ 3
184	0	40	17	16+2'2/3
185	0	64	17	Organ Bass
186	0	65	17	70's Drawbar Organ 2
187	0	66	17	Cheezy Organ
188	0	67	17	Drawbar Organ 2
189	0	24	18	70's 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

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
197	0	35	20	Church Organ 2
198	0	40	20	Notre Dame
199	0	64	20	Organ Flute
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	60's 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

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
260	0	64	55	Analog Voice
261	0	35	56	Orchestra Hit 2
262	0	64	56	Impact
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

Voice List

Voice No.	Bank Select		MIDI Program Change# (1-128)	Voice Name
	MSB (0-127)	LSB (0-127)		
323	0	35	105	Sitar 2
324	0	97	105	Tamboura
325	0	28	106	Muted Banjo
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

Drum Kit List

- “ ” 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).
- Key Off: Keys marked “O” stop sounding the instant they are released.
- Voices with the same Alternate Note Number (*1 ... 4) cannot be played simultaneously. (They are designed to be played alternately with each other.)

		Voice No.				140	141	142	143	144	145		
		MSB (0-127) / LSB (0-127) / PC (1-128)				127/0/1	127/0/2	127/0/9	127/0/17	127/0/25	127/0/26		
		Keyboard		MIDI		Key Off	Alternate Group	Standard Kit 1	Standard Kit 2	Room Kit	Rock Kit	Electronic Kit	Analog Kit
Note#	Note	Note#	Note										
		25	C# 0	13	C# -1		3	Surdo Mute					
		26	D 0	14	D -1		3	Surdo Open					
		27	D# 0	15	D# -1			Hi O					
		28	E 0	16	E -1			Whip Slap					
		29	F 0	17	F -1		4	Scratch Push					
		30	F# 0	18	F# -1		4	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	O		Brush Swirl					
		39	D# 1	27	D# 0			Brush Slap					
		40	E 1	28	E 0	O		Brush Tap Swirl			Reverse Cymbal	Reverse Cymbal	
		41	F 1	29	F 0	O		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	SD Rock 1	E Tom 1	Analog Tom 1
		54	F# 2	42	F# 1	1		Hi-Hat Closed					Analog HH Closed 1
		55	G 2	43	G 1			Floor Tom G		Room Tom 2	Rock Tom 2	E Tom 2	Analog Tom 2
		56	G# 2	44	G# 1	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	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	O		Samba Whistle H					
		84	C 5	72	C 4	O		Samba Whistle L					
		85	C# 5	73	C# 4			Guiro Short					
		86	D 5	74	D 4	O		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		2	Triangle Mute					
		93	A 5	81	A 4		2	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								

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" Overture (J. Offenbach)
006	Slavonic Dances No.10 (A. Dvořák)
007	La Primavera (from Le Quattro Stagioni) (A. Vivaldi)
008	Méditation (Thais) (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 Violette (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/register/>

Style List

Style No.	Style Name
8Beat	
001	8BeatModern
002	60'sGtrPop
003	8BeatAdria
004	60's8Beat
005	8Beat
006	OffBeat
007	60'sRock
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	70'sDisco
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	945 x 348 x 118 mm (37-3/16" x 13-11/16" x 4-5/8")
	Weight		4.5 kg (9 lbs. 15 oz.) (not including batteries)
Keyboard	Number of Keys		61
Display	Type		LCD display
	Language		English
Panel	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
	Function	Panel Sustain	Yes
Accompaniment Styles	Preset	Number of Preset Styles	100
		Fingering	Multi fingering
		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
Functions	Lesson		[LISTEN & LEARN], [TIMING], [WAITING], [CHORD DICTIONARY], [A-B REPEAT]
	Overall Controls	Metronome	Yes
		Tempo Range	32 – 280
		Transpose	-12 – 0 – +12
		Tuning	427.0 - 440.0 - 453.0 Hz
Miscellaneous	Portable Grand Button	Yes	
Connectivity	Connectivity		PHONES/OUTPUT, DC IN, MIDI IN/OUT, SUSTAIN
Amplifiers and Speakers	Amplifiers		2.5W + 2.5W
	Speakers		12cm x 2
Power Supply	Power Supply		<ul style="list-style-type: none"> • Adaptor: Users within U.S or Europe: PA-130 or an equivalent Others: PA-3C, PA-130 or an equivalent • Batteries: Six 'AA' size, LR6 or equivalent batteries
	Power Consumption		7W (When using PA-130 power adaptor)
	Auto Power Off Function		Yes
Included Accessories			<ul style="list-style-type: none"> • Music Rest • Owner's Manual • My Yamaha Product User Registration • AC Power adaptor* (PA-130 or an equivalent recommended by Yamaha) <p>* May not be included depending on your particular area. Please check with your Yamaha dealer.</p>
Optional Accessories			<ul style="list-style-type: none"> • Adaptor: Users within U.S or Europe: PA-130 or an equivalent Others: PA-3C, PA-130 or an equivalent • Footswitch: FC4/FC5 • Keyboard Stand: L-2C/L-2L • Headphones: HPE-150/HPE-30

* 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

- A**
A-B Repeat 26
ACMP ON/OFF 17
Auto Accompaniment 17
Auto accompaniment range 17
Auto Power Off 9, 30
- B**
Battery 8
Beat Display 13
BGM Playback 23
- C**
Chord 19
Chord Dictionary 20
Chord Display 13
Chorus 15, 29
Chorus Send Level 29
Chorus Type List 41
Computer 31
- D**
DC IN 8
Demo 23
Display 13
Drum Kit 14
Drum Kit List 37
- E**
Effect Type List 41
Ending 18
External Clock 29
- F**
FF 22
Footswitch (Sustain jack) 9
Function 28
Function Setting List 29–30
- G**
Grade 25
- H**
Headphones 9
- I**
Initial Send 29
Intro 18
- L**
Left 25
Lesson 24
LISTEN & LEARN 24
Local 29
- M**
Main/Auto fill 18
Master EQ 9
Master EQ Type 29
Master Volume Control 9
Measure 13
Melody Voice 23
Metronome 27
Metronome Volume 29
MIDI 31
Music Rest 6
Mute 26
- N**
Notation 13
- O**
Octave (Main) 29
One Touch Setting (OTS) 14
Option 42
- P**
part 25
Pause 22
PHONES/OUTPUT 9
PORTABLE GRAND 15
Power Adaptor 8
Press and Hold for a while 11
- R**
Reverb 15, 29
Reverb Level 29
Reverb Type List 41
Rew 22
Rhythm 12, 16
Right 25
rit.(ritardando) 18
Root 19–20
- S**
Section 18
Song 12, 22
Song Book 6
Song List 39
Song Volume 29
Sound Effect 15
Split Point 17, 29
START/STOP 12
Style 12, 16
Style List 40
Style Volume 29
Supplied Accessories 6, 42
Sustain (Footswitch) 9
Sustain (Panel) 15, 29
Synchro Start 17
- T**
Tempo 27
TEMPO/TAP 27
Time Signature 27, 29
Timing 24
Track 13, 26
Transpose 29
Tuning 29
- U**
Ultra-Wide Stereo 15
- V**
Voice 12, 14
Voice List 33
Volume (Song) 29
Volume (Style) 29
Volume (Voice) 29
- W**
Waiting 24
- X**
XGLite 6

Information for Users on Collection and Disposal of Old Equipment and used Batteries



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.

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



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

[For business users in the European Union]

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

[Information on Disposal in other Countries outside the European Union]

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



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

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

Cd

(weee_battery_eu_en)

OBSERVERA!

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

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

VAROITUS: Laitteen toisiopiiriin kytketty 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)

The serial number of this product may be found on the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No. _____

Serial No. _____

(bottom)

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

English	Important Notice: Guarantee Information for customers in EEA* and Switzerland 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. (next page). * EEA: European Economic Area
Deutsch	Wichtiger Hinweis: Garantie-Information für Kunden in der EWR* und der Schweiz Für nähere Garantie-Information über dieses Produkt von Yamaha, sowie über den Pan-EEA*- und Schweizer Garantieservice, besuchen Sie bitte entweder die folgende angegebene Internetadresse (eine druckfähige Version befindet sich auch auf unserer Webseite), oder wenden Sie sich an den für Ihr Land zuständigen Yamaha-Vertrieb (nächste Seite). *EWR: Europäischer Wirtschaftsraum
Français	Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence (page suivante). * EEE : Espace Economique Européen
Nederlands	Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vindt een afprintbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land (volgende pagina). * EER: Europese Economische Ruimte
Español	Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la versión del archivo para imprimir está disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país (página siguiente). * EEE: Área Económica Europea
Italiano	Avviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattate l'ufficio di rappresentanza locale della Yamaha (pagina seguente). * EEA: Area Economica Europea
Português	Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça 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 (próxima página). * AEE: Área Económica Europeia
Ελληνικά	Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Αλγερία Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλες τις χώρες του ΕΟΧ* και την Αλγερία, επισκεφτείτε την παρακάτω ιστοσελίδα (ετυπωσιμότητα μπορεί είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθυνθείτε στην αντιπροσωπεία της Yamaha στη χώρα σας (επόμενη σελίδα). * ΕΟΧ: Ευρωπαϊκός Οικονομικός Χώρος
Svenska	Viktigt: Garantiinformation för kunder i EES-området* och Schweiz För detaljerad information om denna Yamaha-produkt samt garantiservice i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbadress (en utskriftsvärdig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land (nästa sida). * EES: Europeiska Ekonomiska Samarbetsområdet
Norsk	Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits 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 kontakta Yamaha-kontoret i landet der du bor (neste side). *EØS: Det europeiske økonomiske samarbeidsområdet
Dansk	Vigtig oplysning: Garantioplysninger til kunder i EØO* og Schweiz De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantieserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor (næste side). * EØO: Det Europæiske Økonomiske Område

Stuomi	Tärkeä ilmoitus: Taku tiedot Euroopan talousalueen (ETA) ja Sveitsin asiakkaille Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta netti-sivustosta. (Tulostettava tiedosto saatavissa sivustollamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan (seuraavalla sivulla). *ETA: Euroopan talousalue
Polski	Ważne: Warunki gwarancji i obowiązujące w EOG* i Szwajcarii 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 (następna strona). * EOG — Europejski Obszar Gospodarczy
Česky	Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku 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 (další stránka). * EHS: Evropský hospodářský prostor
Magyar	Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára A jelen Yamaha termék részletes garancia-információját, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájl is talál), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviselői irodával (következő oldal). * EGT: Európai Gazdasági Térség
Eesti keel	Oluline märkus: Garantiteave Euroopa Majanduspiirkonna (EMP) ja Šveitsi klientidele Täpsemat teavet saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saitil on saadaval printitav fail) või pöörduge Teie regiooni Yamaha esinduse poole (järgmine lehekülg). * EMP: Euroopa Majanduspiirkond
Latviešu	Svarīgs paziņojums: garantijas informācija klientiem EEE* un Šveicē Lai saņemtu detaļētāku garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEE* un Šveicē, lūdzam apmeklēt vietni, kurā norādīts tālruna numurs vai e-pasts (tīmekļa vietnē ir pieejams drukājams fails) vai sazināties ar jūsu valstī apkalpojošo Yamaha pārstāvniecību (nākamā lappuse). * EEE: Eiropas Ekonomikas zona
Lietuvių kalba	Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje Jei reikia išsamios informacijos apie šį „Yamaha“ produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytą adresu (svaigintais yra spausdintinas failas) arba kreipkitės į „Yamaha“ atstovybę savo šaliai (kitas puslapis). * EEE – Europos ekonominė erdvė
Slovenčina	Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku Podrobné informácie o záruke týkajúcej sa tohto produktu od spoločnosti Yamaha a garancijnom servisu v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine (nasledujúca strana). * EHP: Európsky hospodársky priestor
Slovensščina	Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici 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 predstavništva v svoji državi (naslednja stran). * EGP: Evropski gospodarski prostor
Български език	Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в панаевропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна (следваща страница). * ЕИП: Европейско икономическо пространство
Limba română	Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția Pentru informații detaliate privind acest produs Yamaha și serviciul de garanție Pan-SEE* și Elveția, vizitați site-ul la adresa de mai jos (fișierul imprimabil este disponibil pe site-ul nostru) sau contactați biroul reprezentanței Yamaha din țara dumneavoastră (pagina următoare). * SEE: Spațiul Economic European

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

Yamaha Representative Offices in Europe

AUSTRIA

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

BELGIUM

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

BULGARIA

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

CYPRUS

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

CZECH REPUBLIC

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

DENMARK

YS Copenhagen Liaison Office
(Yamaha Scandinavia AB Filial Denmark)
Generatørvej 6A, 2730 Herlev, Denmark
Tel: +45 44 92 49 00
Fax: +45 44 54 47 09

ESTONIA

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

ICELAND

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

(For Pro Audio)

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

IRELAND (REPUBLIC OF IRELAND)

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

ITALY

Yamaha Musica Italia s.p.a.
Viale Italia 88
20020, Lainate (Milano), Italy
Tel: +39 (0)2 93577 1
Fax: +39 (0)2 937 0956

LATVIA

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

LIECHTENSTEIN

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

LITHUANIA

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

LUXEMBOURG

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

MALTA

Olimpus Music Ltd.
The Emporium, Level 3, St. Louis Street
Msida MSD06
Tel: +356 (0)2133 2093
Fax: +356 (0)2133 2144

NETHERLANDS

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

NORWAY

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

POLAND

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

PORTUGAL

Yamaha Música Ibérica, S.A.U.
Sucursal Portuguesa
Rua Alfredo da Silva
2610-016 Amadora, Portugal
Tel: +351 214 704 330
Fax: +351 214 718 220

ROMANIA

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

SLOVAKIA

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

SLOVENIA

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

SPAIN

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

SWEDEN

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

SWITZERLAND

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

UNITED KINGDOM

Yamaha Music UK Ltd.
Sherbourne Drive
Tilbrook, Milton Keynes MK7 8BL
United Kingdom
Tel: +44 (0) 870 4445575
Fax: +44 (0) 1908 369278

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.

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

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

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.
Calz. Javier Rojo Gómez #1149,
Col. Guadalupe del Moral
C.P. 09300, México, D.F., México
Tel: 55-5804-0600

BRAZIL

Yamaha Musical do Brasil Ltda.
Rua Joaquim Floriano, 913 - 4º 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 Cossetini 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 U.K. Ltd.
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: 01-383 3990

AUSTRIA

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

CZECH REPUBLIC/SLOVAKIA/ HUNGARY/SLOVENIA

Yamaha Music Europe GmbH Branch Austria
Schleiergasse 20, A-1100 Wien, Austria
Tel: 01-60203905

POLAND/LITHUANIA/LATVIA/ESTONIA

Yamaha Music Europe GmbH
Branch Sp.z o.o. Oddział w Polsce
ul. 17 Stycznia 56, PL-02-146 Warszawa, Poland
Tel: 022-500-2925

THE NETHERLANDS/ BELGIUM/LUXEMBOURG

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

FRANCE

Yamaha Musique France
BP 70-77312 Marne-la-Vallée Cedex 2, France
Tel: 01-64-61-4000

ITALY

Yamaha Musica Italia S.P.A.
Viale Italia 88, 20020 Lainate (Milano), Italy
Tel: 02-935-771

SPAIN/PORTUGAL

Yamaha Música Ibérica, S.A.
Ctra. de la Coruna km. 17, 200, 28230
Las Rozas (Madrid), Spain
Tel: 91-639-8888

GREECE

Philippos Nakas S.A. The Music House
147 Skiathou Street, 112-55 Athens, Greece
Tel: 01-228 2160

SWEDEN

Yamaha Scandinavia AB
J. A. Wettergrens Gata 1, Box 30053
S-400 43 Göteborg, Sweden
Tel: 031 89 34 00

DENMARK

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

FINLAND

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

NORWAY

Norsk filial av Yamaha Scandinavia AB
Grini Næringspark 1, N-1345 Østerås, Norway
Tel: 67 16 77 70

ICELAND

Skifan HF
Skeifan 17 P.O. Box 8120, IS-128 Reykjavik, Iceland
Tel: 525 5000

RUSSIA

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

OTHER EUROPEAN COUNTRIES

Yamaha Music Europe GmbH
Siemensstraße 22-34, 25462 Rellingen, Germany
Tel: +49-4101-3030

AFRICA

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

MIDDLE EAST

TURKEY/CYPRUS

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

OTHER COUNTRIES

Yamaha Music Gulf FZE
LOB 16-513, P.O.Box 17328, Jubel Ali,
Dubai, United Arab Emirates
Tel: +971-4-881-5868

ASIA

THE PEOPLE'S REPUBLIC OF CHINA

Yamaha Music & Electronics (China) Co., Ltd.
2F, Yunhedasha, 1818 Xinzha-lu, Jingan-qu,
Shanghai, China
Tel: 021-6247-2211

HONG KONG

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

INDIA

Yamaha Music India Pvt. Ltd.
5F Ambience Corporate Tower Ambience Mall Complex
Ambience Island, NH-8, Gurgaon-122001, Haryana, India
Tel: 0124-466-5551

INDONESIA

PT. Yamaha Musik Indonesia (Distributor)
PT. Nusantik
Gedung Yamaha Music Center, Jalan Jend. Gatot
Subroto Kav. 4, Jakarta 12930, Indonesia
Tel: 021-520-2577

KOREA

Yamaha Music Korea Ltd.
8F, 9F, Dongsung Bldg. 158-9 Samsung-Dong,
Kangnam-Gu, Seoul, Korea
Tel: 02-3467-3300

MALAYSIA

Yamaha Music (Malaysia) Sdn., Bhd.
Lot 8, Jalan Perbandaran, 47301 Kelana Jaya,
Petaling Jaya, Selangor, Malaysia
Tel: 03-78030900

PHILIPPINES

Yupangco Music Corporation
339 Gil J. Puyat Avenue, P.O. Box 885 MCPO,
Makati, Metro Manila, Philippines
Tel: 819-7551

SINGAPORE

Yamaha Music (Asia) Pte., Ltd.
#03-11 A-Z Building
140 Paya Lebar Road, Singapore 409015
Tel: 6747-4374

TAIWAN

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

THAILAND

Siam Music Yamaha Co., Ltd.
4, 6, 15 and 16th floor, Siam Motors Building,
891/1 Rama 1 Road, Wangmai,
Pathumwan, Bangkok 10330, Thailand
Tel: 02-215-2622

OTHER ASIAN COUNTRIES

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

OCEANIA

AUSTRALIA

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

NEW ZEALAND

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

COUNTRIES AND TRUST TERRITORIES IN PACIFIC OCEAN

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



Yamaha Global Home
<http://www.yamaha.com/>
Yamaha Manual Library
<http://www.yamaha.co.jp/manual/>

U.R.G., Digital Musical Instruments Division
© 2011 Yamaha Corporation

105POTY*. *-*B0
Printed in China

WW14480