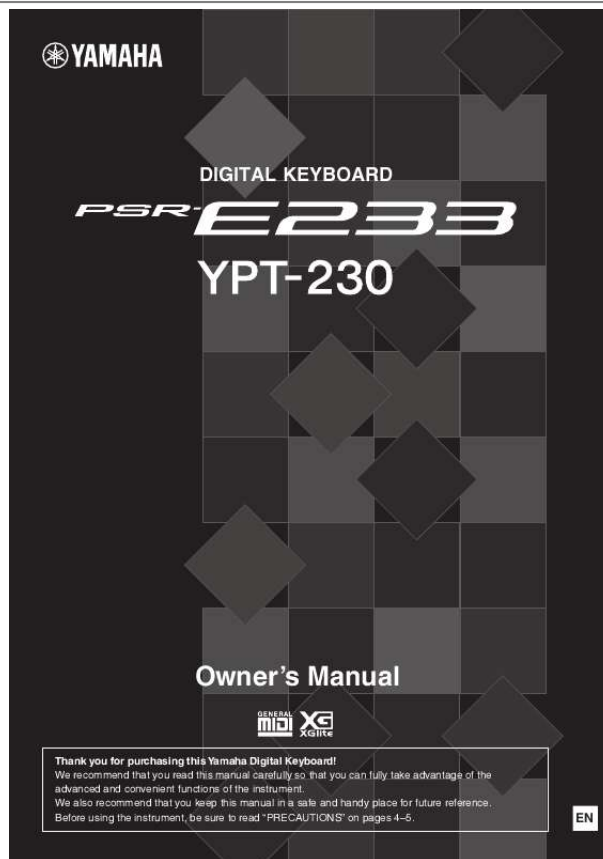




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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA PSR-E233. You'll find the answers to all your questions on the YAMAHA PSR-E233 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual YAMAHA PSR-E233**  
**User guide YAMAHA PSR-E233**  
**Operating instructions YAMAHA PSR-E233**  
**Instructions for use YAMAHA PSR-E233**  
**Instruction manual YAMAHA PSR-E233**



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**Manual abstract:**

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. @@@@ 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. Coverage: In Order to Obtain Warranty Service: Warranty service will only be provided for defective products within the Warranted Area. Contact your local authorized Yamaha dealer who will advise you of the procedures to be followed. If this is not successful, contact Yamaha at the address, telephone number or website shown below.

Yamaha may request that you send the defective product to a local authorized Yamaha Servicer or authorize return of the defective product to Yamaha for repair. If you are uncertain as to whether a dealer has been authorized by Yamaha, please contact Yamaha's Service Department at the number shown below, or check Yamaha's website at [www.Yamaha.com](http://www.Yamaha.com). Product(s) shipped for service should be packed securely and must be accompanied by a detailed explanation of the problem(s) requiring service, together with the original or a machine reproduction of the bill of sale or other dated, proof-of-purchase document describing the product, as evidence of warranty coverage.

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This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only express warranty applicable to the product specified herein; Yamaha neither assumes nor authorizes anyone to assume for it any other express warranty. If you have any questions about service received or if you need assistance in locating an authorized Yamaha Servicer, please contact: CUSTOMER SERVICE Yamaha Corporation of America 6600 Orangethorpe Avenue, Buena Park, California 90620-1373 Telephone: 800-854-1569 [www.yamaha.com](http://www.yamaha.com) Do not return any product to the above address without a written Return Authorization issued by YAMAHA. ©2009 Yamaha Corporation of America. 2 PSR-E233/YPT-230 Owner's Manual SPECIAL MESSAGE SECTION This product utilizes batteries or an external power supply (adapter). DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha. 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. 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.



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If your dealer is unable to assist you, please contact Yamaha directly.

**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. **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 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. **Serial No. 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: Purchase Date 92-BP (bottom) **PLEASE KEEP THIS MANUAL FCC INFORMATION (U.S.A.)** 1. **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements.

Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product. 2. **IMPORTANT:** When connecting this product to accessories and/ or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions.

Failure to follow instructions could void your FCC authorization to use this product in the USA. 3. **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does \* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. 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 Yamahautions 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 electricles, 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. DMI-3 2/2 PSR-E233/YPT-230 Owner's Manual 5 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 GMcompatible tone generator, regardless of manufacturer.



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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. Using the music rest Insert the music rest into the slots as shown. · My Yamaha Product User Registration \* The PRODUCT ID on the sheet will be needed when you fill out the User Registration form. 6 PSR-E233/YPT-230 Owner's Manual Contents About the Manuals.....

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..... 27 PSR-E233/YPT-230 Owner's Manual 7 Setting Up Introduction 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. 2 AC power adaptor 3 AC outlet 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 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. · Use alkaline batteries for this instrument. Other types of batteries (including rechargeable batteries) may have sudden drops of power when battery power becomes low. 8 PSR-E233/YPT-230 Owner's Manual Setting Up Make all necessary connections BEFORE turning the power on. Connecting headphones and external audio equipment 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. 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 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. · 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.

*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). 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.



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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 NOTE 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 · Any settings will be restored to the factory default settings when the power is turned off. · 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. PSR-E233/YPT-230 Owner's Manual 9 Panel Controls and Terminals Front Panel q w e r t y [ ] (Standby/On) switch.....

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..... page 9 [MASTER VOLUME] control .

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 . page 9 [1 LISTEN & LEARN] button....

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 . page 24 [2 TIMING] button ....

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 .. page 24 LESSON PART [L] button ...

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 .. page 25 [R] button ...

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 .. page 25 [METRONOME] button...

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 . page 27 [TEMPO/TAP] button.....

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... page 27 [SONG] button .....

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.. pages 12, 22 [VOICE] button ...

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pages 12, 14 [STYLE] button .....

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... pages 12, 16 Number buttons [0][9], [+], [-] ..

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..... page 12 [FUNCTION] button ..

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.. page 28 [DEMO/BGM] button .....

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.... page 23 Front Panel u i o !0 !1 !2 !3 !4 q e w r t In the Song mode !5 !6 !7 !8 [A-B REPEAT] button .....

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page 26 [REW] button .....

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..... page 22 [FF] button .

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..... page 22 [PAUSE] button...

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..... page 22 !5 !6 !7 !8 In the Style mode !5 !6 !7 !8 !9 @0 @1 @2 @3 [ACMP ON/OFF] button ..

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..... page 17 [INTRO/ENDING/rit.] button....

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..... page 18 [MAIN/AUTO FILL] button...

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..... page 18 [SYNC START] button ....

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..... page 17 [START/STOP] button .....

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..... pages 12, 22 [PORTABLE GRAND] button .....

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..... page 15 [SOUND EFFECT] button .....

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..... page 15 [ULTRA-WIDE STEREO] button ....

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..... page 15 Drum Kit.....

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..... page 14 Rear Panel @4 @5 @6 @7 MIDI IN/OUT terminals .....

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. page 31 SUSTAIN jack .....

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..... page 9 PHONES/OUTPUT jack ....

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..... page 9 DC IN jack ....

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..... page 8 @3 10 PSR-E233/YPT-230 Owner's Manual Panel Controls and Terminals Display (page 13) Song List (page 39) Voice List (page 33) Style List (page 40) u i 001 GrandPno 001 o !0 !1 !2 !3 !4 y !9 @0 @1 @2 Rear Panel @4 @5 @6 @7 001 GrandPno 001 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.

PSR-E233/YPT-230 Owner's Manual 11 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. 3 Display (page 13) 1 2 001 GrandPno 001 1 Select a basic function. [SONG] button .

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..... To select a Song. [VOICE] button .

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..... To select a Voice. [STYLE] button.

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..... 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 3340. Number buttons [0][9] Example: Selecting Voice 002, Grand Piano2. [+], [-] buttons 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. 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 number buttons [0], [0], [2]. Press briefly to decrease. Press briefly to increase.

3 Start a function or play the keyboard. Voice ....

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..... Play the keyboard. Song ....

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

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..... Press the [START/STOP] button to play the Style rhythm. You can stop playback at any time by pressing the [START/STOP] button. 12 PSR-E233/YPT-230 Owner's Manual Basic Operation and Displays 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.

*Notation* Displays the melody and chord notes of a Song when the Song lesson function is in use, or the notes of chords you specify when the Dictionary function is in use. At other times the notes you play on the keyboard are displayed. *NOTE SONG/VOICE/STYLE* Indicate the operating condition of the instrument (page 12). Any notes occurring below or above the staff are indicated by "8va" in the notation. For a few specific chords, not all notes may be shown in the notation section of the display.

This is due to space limitations in the display. *ULTRA-WIDE STEREO* Appears when *ULTRA-WIDE STEREO* is on (page 15). *ACMP ON* Appears when the auto accompaniment is on (page 17). *001 GrandPno 003 Chord Display* Indicates the name of the chord currently being played back, or the name of the chord being played on the keyboard. *Function* Indicates the Function number when the Function is in use. *Song track display* Information related to the Song tracks is shown here. (See page 26.) *Lit*: Track contains data *Unlit*: Track is muted or contains no data *027 Keyboard Display* Indicates notes currently being played. Indicates the melody and chord notes of a Song when the Song lesson function is in use. Also indicates the notes of a chord--either when playing a chord or when using the Dictionary function.

*Measure* Indicates the current measure during playback of a Song. *Beat Display* Indicates the beat of the current Style or Song with flashing arrows. *003 PSR-E233/YPT-230 Owner's Manual 13 Reference 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. *Voice 001 GrandPno 001 Percussion and drum icons Grand Piano Voice SOUND EFFECT Ultra-Wide Stereo 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. Voice number 001 GrandPno 001 Voice name The Voice shown here becomes the Main Voice for the instrument. Preset Voice Types 001139 140152 (Drum Kit) 153385 Instrument Voices 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.*



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XGlite Voices 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. 000 14 PSR-E233/YPT-230 Owner's Manual Try Playing a Variety of Instrument Voices 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. NOTE GrandPno 001 Appears when Ultra-Wide Stereo is on. · 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. @@These effects can be set in the Function setting (page 29). Refer to the Reverb and Chorus Type lists on page 41 for details. @@@@Let's begin by listening to just the basic rhythm. The rhythm part is played using percussion instruments only.

@@@@@For instructions on how to select a Style, see page 12. Press the [ACMP ON/OFF] button to turn automatic accompaniment on. @@This is known as the "Auto Accompaniment range." Split Point.....

. @@@@@@@@@@@@@@@@@@ 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.

@@@@@7. Press the [MAIN/AUTO FILL] button. (Switching Main Sections/Adding a Fill-in) Ending 8. Press the [INTRO/ENDING/rit.] button.

@@@@@@@@@@@@@Sus2 chords are indicated by the root name only. @@@@@@@@@@@@@. These chords are not shown in the Chord Dictionary function: 6(9), M7(9), M7(#11), b5, M7b5, M7aug, m7(11), mM7(9), mM7b5, 7b5, sus2 Dict. 001 Notation of chord Individual notes of chord (keyboard) 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.

PSR-E233/YPT-230 Owner's Manual 20 Play with a Style Try Playing a Song with a Style! Let's try out the Song "Aura Lee." For information on how to play Styles using chords, see pages 17 and 18. Try playing chords with your left hand and play a melody with your right hand. Practice Aura Lee Recommended Style: 018 LoveSong Recommended Voice: 034 Strings 1 Composer: G. Poulton Standard Chords C D G F A G7 Easy Chords C D G F A G7 PSR-E233/YPT-230 Owner's Manual 21 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. Start/Stop Song DEMO/BGM 001 GrandPno 001 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.

Song number Song name NOTE · Song number "004" is automatically selected whenever the power is turned ON. When you want to select one of the Song numbers 001003, 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). SHORTCUT You can jump directly to the Function settings by pressing and holding the [SONG] button for longer than a second.

004 Mirliton 005 Press the [START/STOP] button to play back the Song. You can stop playback at any time by pressing the [START/STOP] button. 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] button .....

.....

..Fast-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.

22 PSR-E233/YPT-230 Owner's Manual Playing Songs 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). Hold for longer than a second.

2 Use the [+] or [-] button to select a repeat playback group from the table below. Demo Preset Preset songs (001003) All preset songs (001102) NOTE 3 Press the [DEMO/BGM] button.



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The songs in the group selected play in sequence. You can stop playback at any time by pressing the [DEMO] or [START/STOP] button. · 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. 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 001003] cannot be played at random.) The setting of the Random Play mode can be set in the Function settings (page 30 Function 022). PSR-E233/YPT-230 Owner's Manual 23 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. @@@@The Song pauses until you play the right note. Song playback tempo will vary to match the speed you are playing at. @@For instructions on how to select a Song, see page 12. Select the part you want to practice. @@@@Song numbers: 001 Left Right Both-hands lesson BothHand 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 · 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 · You can select Lessons 1-3 by pressing the [LISTEN & LEARN], [TIMING] and [WAITING] buttons, respectively. 4 5 Start Lesson. Song playback will begin automatically when you select the Lesson mode, and the appropriate notes appear in the display. Stop the Lesson mode. You can stop the Lesson mode at any time by pressing the [START/STOP] button. NOTE · 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.

NOTE 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. · 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. PSR-E233/YPT-230 Owner's Manual 25 Using the Lesson Feature 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. A B Repeat playback of this section 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 · 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.

A-b REPEAT 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 · 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.

001 Demo 1 010 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. 26 PSR-E233/YPT-230 Owner's Manual Using the Lesson Feature 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. NOTE To stop the metronome, press the [METRONOME] button again. · You can set the time signature and the volume of the Metronome (page 29 Function 018019). SHORTCUT You can jump directly to the Function settings by pressing and holding the [METRONOME] button for longer than a second. You can adjust the metronome tempo by pressing the [TEMPO/TAP] button (see next section). NOTE · 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. 1 Press the [TEMPO/TAP] button to call up the Tempo setting in the display. Current Tempo value 070 Tempo NOTE 2 Set the Tempo by using the number buttons [0][9], [+], [-]. · 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 · 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. PSR-E233/YPT-230 Owner's Manual 27 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.



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Value Function item NOTE · The Function number will not appear in the display during Song, Style or metronome playback. The measure will appear instead. 100 StyleVol 001 Function number If the Function includes sub-modes, the Function item appears in the display for a few seconds, and the sub-modes will be displayed. 2 Set the value by using the number buttons [0][9], [+], [-]. NOTE · Any settings will be restored to the factory default settings when the power is turned off. Direct numeric entry.

· To exit the Function settings, press one of these buttons; [SONG], [VOICE],[STYLE] or [GRAND PIANO]. · Decrement value by 1. · No · Off Press simultaneously to recall the default setting. · Increment value by 1. · Yes · On 28 PSR-E233/YPT-230 Owner's Manual Function Settings Function Setting List No. Volume 001 002 Style Volume Song Volume StyleVol 000127 SongVol 000127 100 100 Determines the volume of the Style. Determines the volume of the Song. Determines the pitch of the instrument in semitone increments. NOTE: The pitch of the Drum Kits Voices cannot be changed. 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. Sets the Split "point"--in other words, the key that separates the auto accompaniment range and Main voice. Determines the volume of the Main Voice to adjust the balance between Song playback and the notes you play on the keyboard.

Determines the octave range for the Main Voice. Determines how much of the Main Voice's signal is sent to the Chorus effect. Determines the Reverb type, including off (10). Refer to the Reverb Type list on page 41. Determines how much of the Voice's signal is sent to the Reverb effect. Determines the Chorus type, including off (05). Refer to the Chorus Type list on page 41. 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. 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. Determines the Ultra-Wide Stereo type. Higher values produce a greater Wide effect. 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. Determines whether the instrument synchronizes to the internal clock (OFF) or an external clock (ON). Lets you send the data of the panel settings to a computer. Use the [+ ] button to transmit the data. 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". Determines the volume of the Metronome.

Item Display Range/ settings Default setting Description Overall 003 Transpose Transpos -120012 Tuning SplitPnt 427.0453.0 (Hz) 000127 (C-2G8) 00 004 Tuning 440.0 (Hz) 005 Split Point 54 (F#2) Main Voice 006 007 008 Effect 009 010 011 Reverb Type Reverb Level Chorus Type Reverb 0110 \*\* 64 \*\* Main Voice Volume Main Voice Octave Main Voice Chorus Send Level M.Volume 000127 M.

Octave -202 M.Chorus 000127 \* \* \* RevLevel 000127 Chorus Sustain 15 012 Panel Sustain ON/OFF OFF 013 Master EQ Type 1 Speaker MasterEQ 2 Flat Wide 1 Speaker 014 MIDI Wide Type 13 2 015 Local On/Off Local ON/OFF ON 016 017 External Clock Initial Setup Send ExtClock ON/OFF InitSend YES/NO OFF Metronome TimeSig 018 Time Signature 0015 \* \* 019 Metronome Volume MetroVol 000127 100 PSR-E233/YPT-230 Owner's Manual 29 Function Settings No. Lesson 020 Demo Item Display Range/ settings Default setting Description Your Tempo YourTemp 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. 021 Demo Group DemoGrp 1 DEMO 2 Preset 3 User 4 Download 1 Normal 2 Random 1 DEMO Determines the repeat playback group. 022 Demo Play Mode PlayMode 1 Normal Determines the repeat playback mode.

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. 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. 023 Demo Cancel D-Cancel ON/OFF OFF Power Save AutoOff 024 Auto Power Off ON/OFF ON \* Different for each voice combination. \*\* Different for each Song or Style combination. 30 PSR-E233/YPT-230 Owner's Manual 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.



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77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118  
119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 Bank Select MSB LSB Change# (0127) (0127) (1128) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
0  
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171  
172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 Bank Select MSB LSB Change# (0127) (0127) (1-  
128) 0 0 0 0 127 127 127 127 127 127 127 127 127 126 126 126 0  
0 0 0 0 0 0 0 0 0 0 0 0 1 40 41 1 1 32 1 1 32 1 32 41 1 35 1 64 1 1 64 97 98 96 97 35 96 97 32 33 34 35 37 40 64 65 66 67 24 32 33 37 64 65 66 32 MIDI  
Program Voice Name 85 Charang Lead 86 Voice Lead 87 Fifths Lead 88 Bass & Lead 89 New Age Pad 90 Warm Pad 91 Poly Synth Pad 92 Choir Pad 93  
Bowed Pad 94 Metallic Pad 95 Halo Pad 96 Sweep Pad 97 Rain 98 Sound Track 99 Crystal 100 Atmosphere 101 Brightness 102 Goblins 103 Echoes 104 Sci-  
Fi PERCUSSION 0 12 Vibraphone 0 13 Marimba 0 14 Xylophone 0 15 Steel Drums 0 9 Celesta 0 11 Music Box 0 15 Tubular Bells 0 48 Timpani 0 10  
Glockenspiel 0 113 Tinkle Bell 0 114 Agogo 0 116 Woodblock 0 117 Taiko Drum 0 118 Melodic Tom 0 119 Synth Drum 0 120 Reverse Cymbal WORLD 0  
105 Sitar 0 16 Dulcimer 0 106 Banjo 0 107 Shamisen 0 108 Koto 0 109 Kalimba 0 110 Bagpipe 0 111 Fiddle 0 112 Shanai DUAL 112 1 Octave Piano 112 1  
Piano + Strings 112 1 Piano Pad 0 6 E.P. Pad 0 49 Octave Strings 0 62 Orchestra Tutti 0 49 Octave Choir 0 53 Octave Brass 0 62 Jazz Section 0 74 Flute &  
Clarinet SOUND EFFECTS 0 121 Fret Noise 0 122 Breath Noise 0 123 Seashore 0 124 Bird Tweet 125 Telephone Ring 126 Helicopter 127 Applause 128  
Gunshot DRUM KITS 1 Standard Kit 1 2 Standard Kit 2 9 Room Kit 17 Rock Kit 25 Electronic Kit 26 Analog Kit 28 Dance Kit 33 Jazz Kit 41 Brush Kit 49  
Symphony Kit 1 SFX Kit 1 2 SFX Kit 2 113 Sound Effect Kit XGLite 1 Grand Piano KSP 1 Piano Strings 1 Dream 2 Bright Piano KSP 3 Electric Grand Piano  
KSP 3 Detuned CP80 4 Honky-tonk Piano KSP 5 Electric Piano 1 KSP 5 Chorus Electric Piano 1 6 Electric Piano 2 KSP 6 Chorus Electric Piano 2 6 DX +  
Analog Electric Piano 7 Harpsichord KSP 7 Harpsichord 2 8 Clavi KSP 11 Orgel 12 Vibraphone KSP 13 Marimba KSP 13 Sine Marimba 13 Balimba 13 Log  
Drums 15 Church Bells 15 Carillon 16 Dulcimer 2 16 Cimbalom 16 Santur 17 Detuned Drawbar Organ 17 60's Drawbar Organ 1 17 60's Drawbar Organ 2  
17 70's Drawbar Organ 1 17 60's Drawbar Organ 3 17 16+2/3 17 Organ Bass 17 70's Drawbar Organ 2 17 Cheezy Organ 17 Drawbar Organ 2 18 70's  
Percussive Organ 18 Detuned Percussive Organ 18 Light Organ 18 Percussive Organ 2 19 Rotary Organ 19 Slow Rotary 19 Fast Rotary 20 Church Organ 3  
34 PSR-E233/YPT-230 Owner's Manual Voice List Voice No.  
197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232  
233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 Bank Select MSB LSB Change# (0127)  
(0127) (1128) 0  
96 35 40 41 96 32 32 40 41 45 43 40 41 65 66 40 45 18 40 43 45 65 28 32 33 34 32 43 40 6 12 18 19 40 41 8 8 40 40 3 8 35 40 41 42 45 3 8 40 41 3 32 40 40  
41 20 20 20 20 21 23 24 25 25 26 26 26 26 27 28 29 29 29 30 31 31 32 32 33 33 34 34 34 34 35 36 36 36 37 38 39 40 40 40 40 40 40 41 45 45 47 49 49 49  
49 49 49 50 50 50 53 53 53 55 55 MIDI Program Voice Name Church Organ 2 Notre Dame Organ Flute Tremolo Organ Flute Puff Organ Harmonica  
2 Tango Accordion 2 Velocity Guitar Harmonics Ukulele 12-string Guitar Nylon & Steel Guitar Steel Guitar with Body Sound Mandolin Jazz Amp Chorus  
Guitar Funk Guitar Muted Steel Guitar Jazz Man Guitar Pinch Feedback Guitar Feedback Guitar 2 Guitar Feedback Guitar Harmonics 2 Jazz Rhythm  
Velocity Crossfade Upright Bass Finger Dark Bass & Distorted Electric Guitar Finger Slap Bass Finger Bass 2 Modulated Bass Muted Pick Bass Fretless  
Bass 2 Fretless Bass 3 Fretless Bass 4 Punch Thumb Bass Velocity Switch Slap Techno Synth Bass Mellow Synth Bass Sequenced Bass Click Synth Bass Synth  
Bass 2 Dark Modular Synth Bass DX Bass Slow Violin Slow Tremolo Strings Suspense Strings Yang Chin Stereo Strings Slow Strings 60's Strings Orchestra  
Orchestra 2 Tremolo Orchestra Velocity Strings Stereo Slow Strings Legato Strings Warm Strings Kingdom Stereo Choir Mellow Choir Choir Strings Synth  
Voice 2 Choral Voice No. 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289  
290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 Bank Select  
MSB LSB Change# (0127) (0127) (1128) 0  
0 64 35 64 32 18 6 32 37 35 20 18 41 40 40 6 8 18 19 64 65 66 6 8 18 19 20 96 65 64 35 16 64 65 64 66 65 66 27 12 14 18 35 40 41 42 65 70 71 72 18 19 40  
64 65 66 64 65 67 68 70 71 96 32 55 56 56 57 58 61 61 61 62 63 64 64 66 67 81 81 81 81 81 81 82 82 82 82 82 82 83 85 87 88 88 88 89 92 97 97 98 99 99  
99 99 99 99 99 99 99 99 100 100 100 100 100 102 102 102 102 102 102 102 105 MIDI Program Voice Name Analog Voice Orchestra Hit 2 Impact  
Warm Trumpet Trombone 2 French Horn Solo French Horn 2 Horn Orchestra Trumpet & Trombone Section Resonant Synth Brass Soft Brass Choir Brass  
Sax Section Breathly Tenor Sax Square Lead 2 LM Square Hollow Shroud Mellow Solo Sine Sine Lead Sawtooth Lead 2 Thick Sawtooth Dynamic Sawtooth  
Digital Sawtooth Big Lead Sequenced Analog Pure Lead Distorted Lead Big Five Big & Low Fat & Perky Soft Whirl Fantasy Itopia African Wind Carib  
Prologue Synth Drum Comp Popcorn Tiny Bells Round Glockenspiel Glockenspiel Chimes Clear Bells Chorus Bells Soft Crystal Air Bells Bell Harp  
Gamelimba Warm Atmosphere Hollow Release Nylon Electric Piano Nylon Harp Vox Atmosphere Pad Goblins Synth Creeper Ritual To Heaven Night  
Glisten Bell Choir Detuned Sitar PSR-E233/YPT-230 Owner's Manual 35 Voice List Voice No. 323 324 325 326 327 328 329 330 331 332 333 334 335 336  
337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372  
373 374 375 376 377 378 379 380 381 382 383 384 385 Bank Select MSB LSB Change# (0127) (0127) (1128) 0  
64  
100 97 98 96 96 64 65 66 64 65 0  
113 113 115 115 116 117 118 118 119 119 1 2 4 17 33 34 35 36 37 38 49 50 51 56 65 66 67 68 69 70 71 81 82 83 84 85 86 87 88 89 90 91 97 98 99 100  
101 113 114 115 116 MIDI Program Voice Name Sitar 2 Tamboura Muted Banjo Rabab Gopichant Oud Taisho-kin Kanoon Bonang Altair Gamelan Gongs  
Stereo Gamelan Gongs Rama Cymbal Glass Percussion Thai Bells Castanets Gran Cassa Melodic Tom 2 Real Tom Rock Tom Analog Tom Electronic  
Percussion Cutting Noise Cutting Noise 2 String Slap Flute Key Click Shower Thunder Wind Stream Bubble Feed Dog Horse Bird Tweet 2 Maou Phone Call  
Door Squeak Door Slam Scratch Cut Scratch Split Wind Chime Telephone Ring 2 Car Engine Ignition Car Tires Squeal Car Passing Car Crash Siren Train  
Jet Plane Starship Burst Roller Coaster Submarine Laugh Scream Punch Heartbeat Footsteps Machine Gun Laser Gun Explosion Firework 36 PSR-  
E233/YPT-230 Owner's Manual Drum Kit List "-" indicates that the drum sound is the same as "Standard Kit 1".



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