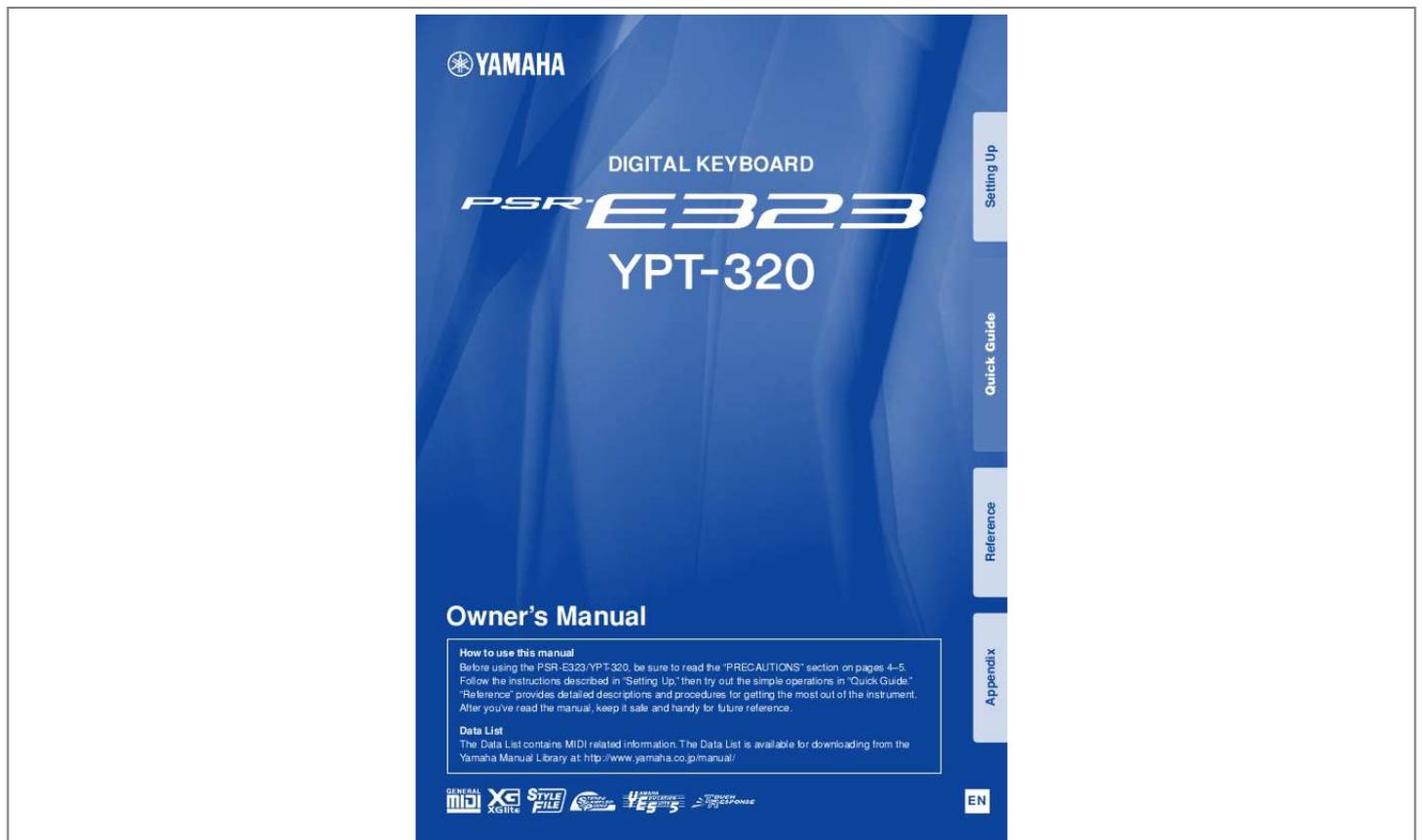




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA PSR-E323. You'll find the answers to all your questions on the YAMAHA PSR-E323 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-E323**  
**User guide YAMAHA PSR-E323**  
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**Manual abstract:**

@@DO NOT connect this product to any power supply or adapter other than one described in the manual, on the name plate, or specifically recommended by Yamaha. This product should be used only with the components supplied or; a cart, rack, or stand that is recommended by Yamaha. If a cart, etc., is used, please observe all safety markings and instructions that accompany the accessory product. 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.

@@Batteries MUST be installed correctly. @@Keep all batteries away from children. @@@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.

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.

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. Model Serial No. Purchase Date 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. PLEASE KEEP THIS MANUAL 92-BP (bottom) 2 PSR-E323/YPT-320 Owner's 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. 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. 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 \* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. (class B) PSR-E323/YPT-320 Owner's Manual 3 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 · 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 (PA-130 or an equivalent recommended by Yamaha) 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 place the AC adaptor 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. 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.



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A burning item may fall over and cause a fire. Do not open · Do not open the instrument or attempt to disassemble the internal parts or modify them in any way. The instrument contains no user-serviceable parts. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel. If you notice any abnormality · If the AC adaptor cord or plug becomes frayed or damaged, or if there is a sudden loss of sound during use of the instrument, or if any unusual smells or smoke should appear to be caused by it, immediately turn off the power switch, disconnect the adaptor plug from the outlet, and have the instrument inspected by qualified Yamaha service personnel. 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 · When removing the electric plug from the instrument or an outlet, always hold the plug itself and not the cord. · Unplug the AC power adaptor when not using the instrument, or during electrical storms. · 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. Location · Do not expose the instrument to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of panel disfiguration or damage to the internal components.

· Do not 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 place the instrument in an unstable position where it might accidentally fall over. · Before moving the instrument, remove all connected adaptor and other 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 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. · Always replace all batteries at the same time. Do not use new batteries together with old ones.

Also, 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 dispose of batteries in fire. · Do not attempt to recharge batteries that are not intended to be charged. · 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. · 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. 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.

Also, 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. Maintenance · When cleaning the instrument, use a soft, dry cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths. (4)-13 1/2 4 Suite 5: The instrument features the new Yamaha Education Suite--a set of learning tools that utilize the latest technology to make studying and practicing music more fun and fulfilling than ever before! Touch Response: The exceptionally natural Touch Response feature, with a convenient front panel on/off switch, gives you maximum expressive level control over the voices. Supplied Accessories The PSR-E323/YPT-320 package includes the following items.

Please check that you have them all. · Music rest · Owner's manual (this book) (4)-13 · My Yamaha Product User Registration \* The PRODUCT ID on the sheet will be needed when you fill out the User Registration form. 2/2 PSR-E323/YPT-320 Owner&#03...

58 Transferring data between the PSR-E323/YPT-320 and a computer.....

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.. 60 Appendix Troubleshooting ...

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.63 Voice List....

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..64 Maximum Polyphony .....

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.....  
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..... *64 Drum Kit List .*

.....  
.....  
.....

.....  
.....  
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..... *68 Style List.*

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.....  
.....  
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.....

.....  
.....  
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..... *70 Music Database List ....*

.....  
.....  
.....  
.....

.....  
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..... *71 Song List .*

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.....  
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.....  
.....  
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*72 Effect Type List .....*

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.....  
.....

.....  
.....  
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*.73 Specifications .....*

.....  
.....  
.....  
.....  
.....

.....  
.....  
.....

....74 Index .....

.....  
.....  
.....

.....  
.....  
.....  
.....

.....  
.....  
.....

..75 Basic Operation .....

.....  
.....  
.....  
.....

.....  
.....

.. 26 Display ...

.....  
.....  
.....  
.....  
.....

.....  
.....  
.....

..... 27 Song Lesson 28 Keys to Success ....

.....  
.....  
.....  
.....

.....  
.....  
.....

28 Listening Timing Waiting.....

.....  
.....  
.....  
.....

.. 31 Phrase Repeat .....

.....  
.....  
.....

.....  
.....  
.....

..... 35 Play Using the Music Database Record your own performance 36 37 Recording to a specified track.

.....  
.....  
.....

.....  
... 38 Initialization 41 Initialization .....

.....  
.....  
.....

.....  
.....  
.....  
.....

..... 41 PSR-E323/YPT-320 Owner's Manual 7 Appendix Reference Play along with the styles.....

.....  
.....  
.....

.....  
.....

. 19 Changing the tempo of the Style....

.....

.....  
.....

. 22 Pattern Variation (Sections) ....

.....

.....  
.....  
.....

... 23 Playing chords along with score of the Song .....

.... 24 Chords .....

.....  
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.....  
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... 25 Select the item and change the value ..

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.... 56 Quick Guide Front Panel .....

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..... 10 Rear Panel ....

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.....  
.....  
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..... 10 Adding Harmony.

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.....  
.....  
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... 42 Adding Reverb.....

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.....  
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.....  
.....

43 Adding Chorus.....

.....  
.....  
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.....  
.....  
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..... 43 Adding Panel Sustain ...

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.....  
.....  
.....

... 44 Touch Response Sensitivity ..

.....  
.....  
.....  
.....

.... 44 Playing Two Voices Simultaneously--Dual.

.....

.. 45 Playing Different Voices with the Left and Right Hands--Split.....

.....  
.....  
.....  
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..... 46 Setting the Split Point ..

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.... 47 Adjusting the Voice volume .

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The use of other adaptors may result in irreparable damage to both the adaptor and the instrument.

w Connect the AC power adaptor to the power supply jack. e Plug the AC adaptor into an AC outlet. CAUTION · Unplug the AC Power Adaptor when not using the instrument, or during electrical storms. w e AC power adaptor 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. If necessary, also make sure to save all important User data (see page 62), since custom panel settings are lost when the batteries are removed. CAUTION · Use alkaline batteries for this instrument.

Other types of batteries (including rechargeable batteries) may have sudden drops of power when battery power becomes low, possibly resulting in loss of data in the flash memory. · 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. · Please use the power adaptor when transferring data to flash memory.

Batteries (including rechargeable types) can be drained rapidly by this type of operation. If the batteries do become drained during a data transfer, both the data being transferred and the data currently in the transfer destination will be lost. Using Batteries q Open the battery compartment cover located on the instrument's bottom panel. w Insert the six new alkaline batteries, being careful to follow the polarity markings on the side of the compartment. e Replace the compartment cover, making sure that it locks firmly in place. CAUTION · 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, possibly resulting in loss of the data being transferred and the data currently in the transfer destination during transferring or recording a data. PSR-E323/YPT-320 Owner's Manual Setting Up Make all necessary connections BEFORE turning the power on. Audio Connections -- Headphones and External Equipment 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. 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. 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.

Using the music rest Insert the music rest into the slots as shown. Connecting a footswitch Removing the protective film 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 Remove the transparent protective film that was applied to the display prior to shipment from the factory. · 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-E323/YPT-320 Owner's Manual 9 Setting Up Turn on the power Panel Controls and Terminals q [STANDBY/ON] switch ...

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

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pages 9 e [1 LISTENING 2 TIMING 3 WAITING] button .... pages 32 r [KEYS TO SUCCESS] button.

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.. pages 28 t [PHRASE REPEAT] button ...

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... pages 35 When the lesson mode y PART [L] button ..

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...page 23 !8 [SYNC START] button..

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...page 19, 53 !9 [START/STOP] button ..

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.....page 17 @0 [REC] button.

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....page 37 @1 [PORTABLE GRAND] button....

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....page 13 @2 [MUSIC DATABASE] button....

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.....page 36 @3 [REVERB] button ...

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page 43 @4 [SPLIT] button .....

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.....page 46 @5 [DUAL] button..

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..page 45 @6 [HARMONY] button.....

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..page 42 @7 [TOUCH] button...



The grand piano Voice is automatically selected whenever the power is turned on, but you can easily change this guitar, drum, or any of an extensive range of voices. Grand Piano Voice 12 Quick Guide Try playing a variety of instrument Voices 1 Press the [VOICE] button. The Voice number and name are displayed. Voice number Voice name 001 GrandPno 001 12 PSR-E323/YPT-320 Owner's Manual Changing the Voices 2 Select a Voice. Select the desired Voice by using the number buttons [0][9], [+], [-].

Refer to the Voice List on page 64. 084 Flute The Voice shown here becomes the Main Voice for the instrument. Play the keyboard. Try selecting and playing different 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. PSR-E323/YPT-320 Owner's Manual 13 Quick Guide 3 Changing the Voices Metronome Percussion and drum icons Quick Guide 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.

If you want to adjust the metronome tempo, press the [TEMPO/TAP] button to call up the Tempo setting in the display, then press the [+] button to raise the tempo, or press the [-] button to lower it. You can also set the tempo using the number buttons on the front panel. NOTE · You can set the time signature (page 48). Current Tempo value 070 Tempo 14 PSR-E323/YPT-320 Owner's Manual Changing the Voices Playing the Drum Kit Voice When Voice number 109 (Drum Kit) is selected in step 2 on page 13, you can play different percussion sounds directly from the keyboard. To check which percussion sounds are assigned to each key when you select Voice number 109, look at the icons printed above the keys.

You can select and play the desired Drum Kit from 12 preset Drum Kits (Voice number 109121). Details on the instruments and key assignments of each Drum Kit can be found in the Drum Kit List on page 68. PSR-E323/YPT-320 Owner's Manual 15 Quick Guide 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. Listening to a Song.

3 1 2 Quick Guide Select and Listen to a Specific Song 1 Press the [SONG] button. The Song number and name are displayed. Song number "004" is automatically selected whenever the power is turned ON. Song number Song name NOTE · When you want to select the Song number 001003, use the number buttons [0][9], [+], [-]. 004 Elise 1 -01 The songs are organized by category. For details, see page 72. 16 PSR-E323/YPT-320 Owner's Manual Playing Songs 2 Select a Song. Select the desired song by using the number buttons [0][9], [+], [-]. Refer to the Song List on page 72. NOTE · You can play Songs recorded from the instrument or transferred from a computer.

The procedure for playing these Songs is the same as that of the built-in Songs. The Song will begin playing. You can stop playback at any time by pressing the [START/STOP] button. NOTE · Songs can be played at any tempo you desire--fast or slow (page 22). 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.

Using the [DEMO] button Press the [DEMO] button to play Songs 001, 002, 003, 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] button. PSR-E323/YPT-320 Owner's Manual 17 Quick Guide 3 Press the [START/STOP] button. Play with a Style Styles are rhythm/accompaniment patterns and are played by the auto accompaniment feature. You can select from a wide variety of rhythmic types--rock, blues, Euro trance, and many, many more.

Here we'll learn how to select and play Styles using chords. While you play, you can automatically add specially created intros and endings, as well as variations in the rhythm/chord patterns, for more dynamic, professional-sounding performances. 5 Quick Guide 43 6 1 2 Split Point Auto Accompaniment range Try playing chords with your left hand. Play a melody with your right hand. Before Performance Select the "String Ensemble" Voice as the melody Voice, referring to step 2 on page 12. 18 PSR-E323/YPT-320 Owner's Manual Play with a Style Play along with the styles 1 Press the [STYLE] button. The Style number and name are displayed. Style number Style name NOTE 001 8BtModrn 001 2 Select a Style. Select the desired Style by using the number buttons [0][9], [+], [-]. Refer to the Style List on page 70.

NOTE 018 LoveSong · Since the Pianist category Styles (098106) 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 pages 20 (The bass and chord accompaniment parts will sound.) 3 Turn SYNC START on. Press the [SYNC START] button. 018 LoveSong 001 Flashes when Sync Start is on. PSR-E323/YPT-320 Owner's Manual 19 Quick Guide ·

You can also select commercially available Style Files. To do this load the Style Files from the computer to the instrument, and then register the style data starting with to style number 107. (Refer to the information on transferring data on page 61 and registering styles on page 55.) If the Style File has not been registered, "No Data" will be displayed when selecting style number 107. Play with a Style 4 Turn auto accompaniment on.

Press the [ACMP ON/OFF] button. Press the [ACMP ON/OFF] button again to turn the auto accompaniment off. NOTE · If you press the [START/STOP] button while the auto accompaniment is off, only the rhythm (percussion) parts will start. 018 LoveSong 001 Appears when auto accompaniment is on 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." Split Point (page 47) Quick Guide Auto Accompaniment range 5 Start playing along on the keyboard.



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Style playback will begin as soon as you play a chord in the accompaniment range of the keyboard.

In this case, try out the Song "Aura Lee" on the next page for practice purpose. For information on how to enter chords, see page 24. Split Point Auto Accompaniment range 6 Stop playing. Playback will stop as soon as you press the [START/STOP] button. 20 PSR-E323/YPT-320 Owner's Manual Play with a Style Practice -- Aura Lee -- Recommended Style: 018 Love Song Recommended Voice: 047 String Ensemble Composer: G. Poulton G A D C E D7 PSR-E323/YPT-320 Owner's Manual 21 Quick Guide Play with a Style Changing the tempo of the Style Styles can be played at any tempo you desire--fast or slow. 1 2 Quick Guide 1 Press the [TEMPO/TAP] button to call up the Tempo setting in the display after selecting a Style. Current Tempo value 070 Tempo 2 Set the Tempo by using the number buttons [0][9], [+], [-]. NOTE · Press the [+] and [-] buttons simultaneously to instantly reset the value to the default tempo of a Style. 22 PSR-E323/YPT-320 Owner's Manual Play with a Style 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.

Intro This is the beginning of the Song. Main This is the main part of the Song. Ending This is the end of the Song. This is the transition between main patterns. 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. Switching Main Patterns There are two variations on the basic pattern (A and B). These are alternately selected each time the [MAIN/AUTO FILL] button is pressed. The main accompaniment pattern plays, and repeats indefinitely until another section's button is pressed.

Adding a Fill-in A Fill-in pattern is automatically added before changing to section A or B. 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). PSR-E323/YPT-320 Owner's Manual 23 Quick Guide Fill in Play with a Style Playing chords along with score of the Song Below is an example of a melody score with chord indications. Chord Quick Guide Play the melody on the staff with your right hand, and chords with your left hand. Find the appropriate chords on the next page and play them as illustrated. Chords Melody Chord names From the chord name, you can tell at a glance what type of chord it is and which notes make up the chord. Understanding the basic structure of chords is very useful--once you're familiar with this, you'll be quickly and easily play chords by looking at the names that appear above the notation. Cm Cm Root note Chord type Major 3rd Minor 3rd Taking the chord above as an example, the lowest note of this triad is called the "root note." This is the central note sound, and it supports or anchors the rest of the notes chord. Upper case letters (including sharps or flats) at the left of the chord name shows root note. The chord name is determined by a root note and chord type like as major or minor, and so on. 24 PSR-E323/YPT-320 Owner's Manual Play with a Style Chords For users who are new to chords, this chart features common chords. Since there are many useful chords and many different ways to use them musically, refer to commercially available chord books for further details. Major Minor Seventh Minor Seventh Major Seventh C Cm C7 Cm7 CM 7 D Dm D7 Dm7 DM 7 E Em E7 Em7 EM7 F Fm F7 Fm7 FM7 G Gm G7 Gm7 GM7 A Am A7 Am7 AM 7 B Bm B7 Bm 7 BM 7 · Inversions can be used as well as in "root" position--with the following exceptions: m7, m7b5, 6, m6, sus4, aug, dim7, 7b5, 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.

Easy Chords This method lets you easily play chords in the accompaniment range of the keyboard using only one, two, or three fingers. For root "C" C Cm C7 Cm 7 · To play a major chord Press the root note ( ) of the chord. · To play a minor chord Press the root note together with the nearest black key to the left of it. · To play a seventh chord Press the root note together with the nearest white key to the left of it. · To play a minor seventh chord Press the root note together with the nearest white and black keys to the left of it (three keys altogether). PSR-E323/YPT-320 Owner's Manual 25 Quick Guide Basic Operation and Displays Reference Basic Operation Press a button to select a basic function: Voice, Song or Style. 3 Start a function. Display (page 27) 1 Select a basic function. 2 Select an item or value. 001 GrandPno 001 Press the [SONG] button to access the SONG functions (printed above the buttons), and press the [STYLE] button to access the STYLE functions (printed below).

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, Bright Piano. Press number buttons [0], [0], [2]. Reference 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 calls up. 26 PSR-E323/YPT-320 Owner's Manual [+], [-] 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.

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. KEYS TO SUCCESS Appears when the Keys to Success function is on (page 28). PHRASE REPEAT Appears when the Phrase Repeat function is on (page 35). Passing Status Song The number of stars depends on the number of passed steps. TOUCH RESPONSE Appears when Touch Response is on (page 44).



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REVERB Appears when Reverb is on (page 43). ACMP ON Appears when the auto accompaniment is on. SPLIT Appears when the Split function is on (page 46). DUAL Appears when the Dual function is on (page 45).

SONG/VOICE/STYLE Indicate the operating condition of the instrument. Step 001 NOTE GrandPno 003 · 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. Chord Display Indicates the name of the chord currently being played back, or the name of the chord being played on the keyboard. Measure Indicates the current measure during playback of a Song. Song/recording track display Information related to the Song/ recording tracks is shown here. (See pages 37 and 51.) Lit: Track contains data Unlit: Track is muted or contains no data 003 Flashing: Track is selected as recording track 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. Beat Display Indicates the beat of the current Style or Song with flashing arrows. PSR-E323/YPT-320 Owner's Manual 27 Reference 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.

HARMONY Appears when the Harmony function is on (page 42).

Song Lesson You can practice the preset Songs using these lesson functions: "Keys to Success," "Listening, Timing, Waiting" and "Phrase Repeat." Keys to Success helps you master a Song, whereas Listening, Timing, Waiting helps you first master the timing then playing the correct notes. Phrase Repeat lets you select and repeatedly practice a specific phrase in the Song. If you're using a keyboard instrument for the first time, we suggest you start with Keys to Success.

Keys to Success In the "Keys to Success" mode, you can practice individual phrases in the Song (as "Steps"), letting you effectively master the Song by mastering each phrase separately.

Each time you finish a specific Step, your score is shown in the display. Passing one Step (with a score of 60 or better) lets you go on to next one automatically. All preset Songs other than 001003 can be used with this mode, especially the "LEARN TO PLAY" category Songs (004019). 1 Select a song for your lesson. For this example we'll select song "006 Twinkle Twinkle Little Star(Basic)" from the "LEARN TO PLAY" category. For instructions on how to select a Song, see page 16. 006 NOTE · Song numbers 001 to 003 cannot be used for the Lesson feature. If you select these songs, "NoLesson" is shown in the display. Twinkle1 NOTE 2 Reference 28 Turn Keys to Success on. Pressing the [KEYS TO SUCCESS] button turns the Keys to Success feature on, and a Step of the Song is automatically selected for your practice.

The currently selected Step number and the lesson parts are shown in the display. Appears when Keys to Success is on Current Step number · The total number of steps varies depending on the Song. NOTE · Each lesson part varies depending on the Steps. Lr Step01 Lesson part r :Right-hand lesson L :Left-hand lesson Lr:Both-hands lesson 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 following website: <http://music.yamaha.com/registration/> PSR-E323/YPT-320 Owner's Manual Song Lesson 3 Start the Lesson. Press the [START/STOP] button to start Lesson. After the lead-in, Step 01 of the song starts automatically, and the appropriate notes appear in the display. Lr NOTE ·

In some Steps, the lead-in may run a little slower than normal because a ritardando or fermata section is placed before the Step.

Step01 001 NOTE You can start playing along on the keyboard as soon as the lead-in finishes. The score marker and keyboard marker in the display will indicate the notes to play. Each time you have practiced all the way through a Step, your performance will be evaluated and your score (from 0100) is shown in the display. · You can practice the specified phrase using the Lesson modes "1 Listening," "2 Timing" or "3 Waiting" described on page 31. In these Lesson modes with the Keys to Success function, however, it is not possible to pass the Step.

When you want to turn off these Lesson modes, press the [1 LISTENING 2 TIMING 3 WAITING] button a number of times to select off ("Step number" will appear in the display ). 068 Excellen 001 Displayed when you've passed the Step. Score of 60100 NOTE You passed! The next Step begins automatically. You can select another Step as desired by using the [+]/[-] buttons. All songs have a finishing step, and in that step, you will practice all the way thorough the song which you have selected as a lesson Song in the step 1.

When you pass all Steps, the Keys to Success mode will automatically be turned off and playback stops. · If the specified part is both hands, you cannot pass the Step until you play both hands, even if you play one of the hands well. Only a message such as "L-part is Nice" appears in the display. NOTE 006 Twinkle1 001 4 Stop Lesson. You can stop the Lesson at any time by pressing the [KEYS TO SUCCESS] button. · When you want to select another Song during a lesson, press the [SONG] button to call up the currently selected Song name in the display (for three seconds), then select the Song as required using the [+]/[-] buttons or number buttons while the Song name appears. When you select the new Song, the lowest number Step not yet passed of the Song will automatically be selected for the Lesson. PSR-E323/YPT-320 Owner's Manual 29 Reference Score of 059 Try the same Step again. The same Step begins automatically. Song Lesson Entering and Clearing the Passing Status Entering Passing status will automatically be entered and shown in the display when the Step or Song is selected.

You can recognize at a glance whether or not you've passed the selected Step or Song. When Step is selected Lr Step01 001 : Passed No information: Not yet passed When Song is selected 006 Twinkle1 001 : There are one or more Steps not yet passed in addition : Only last Step passed : All Steps passed other than last Step : All Steps passed Clearing You can clear existing passing status entries.



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Select the desired Song or Step for clearing the passing status and hold the [KEYS TO SUCCESS] button for longer than three seconds. After the passing status has been cleared, a "Cleared" message will appear on the display. Once the operation has been completed, no information will appear even when selecting the Song or Step. to the last Step Reference NOTE · You cannot clear any entries during the Song or Step playback. If a Song or Step is currently being played back, stop playback first. NOTE Cleared Hold for longer than three seconds · Deleting the Song recording will delete all Step passing status entries as well. 30 PSR-E323/YPT-320 Owner's Manual Song Lesson Listening Timing Waiting 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.

Songs that can be used with the Lesson feature include Songs transferred from a computer to flash memory (SMF Format 0 only; see page 60). The procedure for transferring songs are described on page 61. The lesson modes: 1 Listening ...

..... Listen and learn the melody or rhythm of a selected Song.

2 Timing .....

. Learn to play the notes at the correct timing along with the Song. 3 Waiting .....

.. Learn to play the correct notes. 1 Select the desired Song for your lesson. For instructions on how to select a Song, see page 16.

If you want to practice a Song you've transferred from a computer, select one of the Songs beginning from Song number 108. NOTE · User Songs cannot be used for the lesson. 097 Chevaler 001 The instrument includes 102 built in Songs. Some Songs (as shown below) are intended for use as right-hand lessons, and cannot be used for left-hand or both-hands lessons. Songs for right-hand lesson Song numbers: 020050, 071076, 079 PSR-E323/YPT-320 Owner's Manual 31 Reference Song Lesson 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 bothhands lesson. The selected part is displayed. Left-hand lesson Right-hand lesson Left Right Both-hands lesson BothHand A "No LPart" message is shown in the display if you select the left part in one of the Songs intended for right-hand lesson, which do not have left part data. These Songs cannot be used for left-hand or both-hands lessons. NOTE · For songs transferred from a computer, the "No LPart" indication does not appear, even when there is no left hand part in the song.

No LPart 3 Select the lesson mode. Each time the [1 LISTENING 2 TIMING 3 WAITING] button is pressed the lesson modes are selected in sequence: 1 Listening 2 Timing 3 Waiting Off 1 Listening ...etc.

The currently selected lesson mode is shown in the display. For this example select "1 Listening". Reference 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. r1 LISTEN TIMING WAITING Chevaler 1 Listening r2 2 Timing r3 3 Waiting 097 Off 32 PSR-E323/YPT-320 Owner's Manual Song Lesson 4 Start Lesson. Song playback will begin automatically when you select Lesson mode, and the appropriate notes appear in the display. NOTE · You cannot use Dual or Split Voices during lessons. · 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. 1 Listening 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. r1 LISTEN 004 The notation and key positions of the model melody are shown in the display. Lesson "2 Timing" will begin as soon as you press the [1 LISTENING 2 TIMING 3 WAITING] button. Lesson "3 Waiting" will begin as soon as you press the [1 LISTENING 2 TIMING 3 WAITING] button. 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. r3 WAITING 004 PSR-E323/YPT-320 Owner's Manual 33 Reference 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. r2 TIMING 004 Song Lesson You can select Lesson modes by pressing the [1 LISTENING 2 TIMING 3 WAITING] button respectively. 5 Stop the Lesson mode. You can stop the Lesson mode at any time by pressing the [START/ STOP] button. 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. OK Good VeryOGood! Excellent! Reference 34 PSR-E323/YPT-320 Owner's Manual Song Lesson Phrase Repeat This function allows you to repeatedly practice difficult phrases, by selecting a phrase and repeatedly play it back. You can also mute one of the parts, and practice just the other part repeatedly. The specified phrase can also be practiced along with the Lesson modes "1 Listening," "2 Timing" or "3 Waiting" described on page 31. Phrase mark NOTE · When you want to turn the Phrase Repeat function on, please make sure that the Keys to Success mode is off, since Phrase Repeat is not available in the Keys to Success mode. · When you want to change the Song, first turn off the Phrase Repeat function then select the Song.

Repeat playback of this section Play the Song and press the [PHRASE REPEAT] button at the phrase you want to repeat. The appropriate phrase number will appear in the display and, after a lead-in, repeat playback will start. Use the [+] or [-] buttons to select any phrase number in the Song, and stop repeat playback by pressing the [PHRASE REPEAT] button. The Phrase Repeat mode will be canceled and normal playback of the Song will continue. Appears when the Phrase Repeat function is on NOTE p03 REPEAT Changing the playback section You can specify an extended section for repeating (including multiple phrases) by specifying a beginning phrase (point A) and ending phrase (point B), using the [A-B REPEAT] button. You can do this either during playback or while playback is stopped. Press the [A-B REPEAT] button at the beginning phrase of the section you want to repeat (point A), use the [+] / [-] buttons to select the subsequent phrases you wish to include in the repeat, then press the [A-B REPEAT] button a second time.



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This specifies the last phrase selected as the end phrase (point B) for Phrase Repeat playback. "REPEAT" will appear on the display and the specified A-B section of the Song will now play repeatedly. (If playback is stopped, press the [START/STOP] button to start.

) Stop A-B Repeat playback by pressing the [PHRASE REPEAT] button. "REPEAT" will appear on the display and the currently selected phrase will playback repeatedly. 35 NOTE · Specifying only Point A results in repeat playback between Point A and the end of the Song. PSR-E323/YPT-320 Owner's Manual Reference Phrase number · If you use Phrase Repeat function with the Lesson modes "1 Listening," "2 Timing" or "3 Waiting", the evaluation function of these lesson modes are not available. When you want to turn these lesson modes off, press the [1 LISTENING 2 TIMING 3 WAITING] button a number of times to select off ("Phrase number" will appear in the display).

Play Using the Music Database You want to play music in your favorite style, but you're not sure how to select the best voice and style for the type of music you want to play ... simply select the appropriate style from the Music Database. The panel settings will automatically be adjusted for the ideal combination of sounds and style! 1 Press the [MUSIC DATABASE] button.

001 AlvFever A Music Database name will appear in the display. 2 Select a Music Database. Referring to the Music Database category list printed on the panel, select a music database that matches the image of the song you intend to play. For example, select one from the "SWING&JAZZ" category (047056) if you want to play jazz. 051 MoonLit Reference 3 Play the chords with your left hand and melody with your right. The jazz style will start playing when you play a left-hand chord to the left of the split point (page 47). Refer to page 25 for information about playing chords. Split Point Press the [START/STOP] button to stop playback. 36 PSR-E323/YPT-320 Owner's Manual Record your own performance You can record up to five of your own performances as User Songs (User 15: Song numbers 103107). Think of each User Song as a kind of basket or drawer for storing your recording.

Remember that you can also record a Style (containing chord changes) along with your own performance. 1 Press the [REC] button. NOTE rEC User 1 001 · A total of approximately 10,000 notes or 5,500 chord changes can be recorded to the five User Songs. NOTE The lowest-numbered unrecorded User Song (Song numbers 103107) available for recording is displayed. If you want to select the Song you will be recording, select the desired Song number by using the [+] and [-] buttons. Flashes · Accompaniment cannot be turned on or off once the [REC] button is pressed. After you've selected the desired User Song for recording, you can select a Style to be recorded as well. To do this, press the [STYLE] button and select the Style number while the ACMP indication is on. You can turn off the Record mode by pressing the [REC] button again ( and stop flashing). CAUTION · If all User Songs (Song numbers 103107) contain recorded data, Song 103 will automatically be selected.

In this case, you will record over and erase any previous data in Song 103, so be careful that you won't be erasing any material you want to keep! Split Point By playing keys to the left of the Split Point when the Auto Accompaniment is set to on, the Style starts sounding and is recorded with your performance. When Auto Accompaniment is set to off, only your keyboard performance is recorded. PSR-E323/YPT-320 Owner's Manual 37 Reference 2 Start recording. When you play the keyboard, recording will begin. Record your own performance 3 Stop recording.

Pressing the [START/STOP] button stops recording and writes the data to the User Song. (A "Writing!" message is shown.) To playback the newly recorded performance, press the [START/ STOP] button. In order to record with the Style, turn the Auto Accompaniment to on (see Step 4 on page 20), and then record according to the instructions. (The "ACMP ON" lights.

) CAUTION · Never attempt to turn the power off when a "Writing!" message is shown in the display. Doing so can damage the flash memory and result in a loss of data. NOTE In order to record only your performance, turn the Auto Accompaniment to off and record according to the normal steps. (The "ACMP ON" is unlit.) · Use the Musicsoft Downloader to backup the User Songs to a computer (page 60). Recording to a specified track The User Songs are organized into two tracks: Track 1 and Track 2. You can specify the track you want to record to. About track recording If you start recording by specifying a track, the track will be overwritten (existing data in the track is deleted and replaced with the new recording). User Song Data that can be recorded to Track 2 Style playback\* (including chord changes) or your own keyboard performance NOTE Reference Data that can be recorded to Track 1 Your own keyboard performance only · Record following the steps in the previous page, and your performance will be recorded to Track 1 and the Style (if you are playing one) will be recorded to Track 2. NOTE \* When playing the Style · You cannot record the Reverb Level, metronome click, or the Transpose and Tuning settings.

· The settings and buttons below cannot be changed, or if changed, the new settings cannot be recorded if entered during the recording process. ACMP ON/OFF, split point, reverb type, chorus type, harmony type, [FUNCTION] button, [PORTABLE GRAND] button. Recording to the specified track Only your keyboard performance can be recorded to Track 1. Either a Style or your performance can be recorded to Track 2, resulting in a User Song like that depicted below. User Song Track 2 Style Track 1 Your own keyboard Track 2 Your own keyboard User Song Track 1 Your own keyboard performance performance performance 38 PSR-E323/YPT-320 Owner's Manual Record your own performance Specifying track recording 1 Turn ACMP (auto accompaniment) on or off, depending on what you want to record. If you want to record Style playback, turn ACMP on. If you want to record only your own keyboard performance, turn ACMP off. Specify the track you want to record. Specify the track 2 when you want to record the Style. When you want to record your own keyboard performance, you can specify either track.

Recording to Track 1 While holding the [REC] button, press the [REC TRACK 1] button. NOTE · Keep in mind that both Tracks 1 and 2 will be overwritten with new data if you record without specifying the tracks. · The both "L" and "R" flashes, this indicates that you have specified Track 1 when the Auto Accompaniment is on.



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If you want to record your own performance, press the [TRACK 2] button to stop the "L" flashing. If you want to record a Style, press the [REC] button to cancel the recording, and repeat the procedure from the beginning.

2 rEC User 1 001 Flashes when track 1 is selected for recording. Press simultaneously Recording to Track 2 While holding the [REC] button, press the [REC TRACK 2] button. rEC User 1 001 Press simultaneously Lights when recorded data exists. Turns off when there is no recorded data, or when Mute is set to on (page 51) to turn off playback of the track. 3 Press the [+], [-] buttons to select the User Song you want to record.

rEC NOTE User 3 If you want to record Style playback to Track 2, press the [STYLE] button and select the desired Style. · If you want to record only the rhythm (percussion) part, press the [START/STOP] button to play just the rhythm, then add the section change by pressing the [INTO/ENDING/rit.] button or [MAIN/AUTO FILL] button. · You can record a new track while listening to a previously recorded track (the track indication will appear). You can also mute recorded tracks (the track will disappear) while recording a new track by pressing the desired track button. 4 Start recording Perform steps 2 and 3 on pages 3738. By playing keys to the left of the Split Point when the Auto Accompaniment is set to on, the Style starts sounding and is recorded. Only your performance is recorded by playing the keyboard (any key is OK) when the Auto Accompaniment is set to off. PSR-E323/YPT-320 Owner's Manual 39 Reference Flashes when track 2 is selected for recording. Record your own performance Deleting User Songs Deleting an entire User Song.

NOTE · You cannot delete a specific track from a User Song. 1 Press the [SONG] button and select the User Song you want to delete by using the number buttons [0][9], [+], [-]. 103 User 1 2 Press and hold the [REC] button for longer than a second. The Song Delete display appears. YES Hold for longer than a second. ClrUser1 You can cancel the delete operation by pressing the [-/NO] button. Reference 3 Press the [+ /YES] button. A confirmation message will appear on the display. YES Sure? You can cancel the delete operation by pressing the [-/NO] button. 4 Press the [+ /YES] button to delete the Song. "Writing!" message will appear while the track is being deleted. Writing! 40 PSR-E323/YPT-320 Owner's Manual Initialization Initialization This function erases all backup data in the instrument's flash memory and restores the initial default settings. The following initialization procedures are provided. Turn the power on by pressing the [STANDBY/ON] switch while holding the highest white key on the keyboard. The backed up data will be erased and the default values restored.

CAUTION · When you execute the Initialization, backup parameters will be cleared. Initialization does not delete the files transferred from the computer. If you want to delete the files, see "Deleting Files" below. Parameters that are saved in backup: · User Songs · Style number 107 · Touch Response on/off setting · Passing status of Song and Step · The following Function settings: Tuning, Split Point, Touch Sensitivity, Style Volume, Song Volume, Metronome Volume, Demo Cancel, Panel Sustain Although the above parameters are always backed up, and are maintained even when the power is turned off, they will be completely erased by the initialization. You can save the settings as backup data to your computer, by using the Microsoft Downloader (MSD) software. Refer to the section "Transferring a backup file from the PSR-E323/YPT-320 to a computer" on page 62. Deleting Files To clear Song data and Style data that has been transferred to the internal flash memory from a computer, simultaneously hold down the highest white key and the three highest black keys on the keyboard and turn the power on by pressing the [STANDBY/ON] switch. CAUTION · When you delete the files, Song data and Style data you have purchased and downloaded will also be cleared. Make sure to save your important data by transferring to a computer using Microsoft Downloader (page 62). PSR-E323/YPT-320 Owner's Manual 41 Reference Voice Settings Adding Harmony This feature adds harmony notes as well as tremolo or echo effects to the Main Voice. 3 1 Press the [HARMONY] button to turn harmony on. When you don't want to add harmony notes, press the [HARMONY] button again to turn Harmony off. Select a desired Harmony Type by using the number buttons [0][9], [+], [-]. Refer to the Harmony Type list on page 73. Try playing the keyboard with the harmony function.

The effect and operation of each Harmony Type is different--refer to the section "How to sound each Harmony Type" below as well as the Harmony Type List for details. How to sound each Harmony Type · Harmony type 0105 ndPno Appears when harmony is on. Press the right-hand keys while playing chords in the auto accompaniment range of the keyboard when the Auto Accompaniment is on (page 20). · Harmony type 0612 (Trill) NOTE · When you press the [HARMONY] button to turn this feature on, the appropriate Harmony type for the currently selected Main Voice is automatically selected. Hold down two keys. 2 · Harmony type 1319 (Tremolo) Reference Press and hold the [HARMONY] button for longer than a second. "HarmType" appears in the display for a few seconds, followed by the Harmony Type. Currently selected Harmony type Keep holding down the keys. · Harmony type 2026 (Echo) 02 Trio Keep holding down the keys. NOTE · You can also access the Harmony Type setting display by pressing the [FUNCTION] button several times. · Harmony will be turned off if the Chord Dictionary function is used. You can adjust the Harmony Volume in the Function Settings (page 56). NOTE · The harmony notes can be added only to the Main Voice, not to Dual or Split Voices. · The keys left of the Split Point of the keyboard produce no harmony notes when the auto accompaniment is on (ACMP ON is lit). 42 PSR-E323/YPT-320 Owner's Manual Voice Settings Adding Reverb Reverb adds the ambience of a room or concert hall to the sound that you play on the keyboard.

Adding Chorus This effect makes the Voice sound richer, warmer and more spacious. The best-suited Chorus type is automatically selected whenever you select a Voice; however, you can select any of the available types. To add Reverb Press the [REVERB] button to turn Reverb on. Reverb is normally on. You can check how the selected Reverb Type sounds by playing the keyboard.

To turn Reverb off, press the [REVERB] button again.



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