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You can read the recommendations in the user guide, the technical guide or the installation guide for ROLAND RD-700SX. You'll find the answers to all your questions on the ROLAND RD-700SX in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ROLAND RD-700SX
User guide ROLAND RD-700SX
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Manual abstract:

3), and "IMPORTANT NOTES" (p. 5). @@@@No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION. WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN ATTENTION: RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product. INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS.

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS WARNING - When using electric products, basic precautions should always be followed, including the following: 1. 2. 3. 4. 5.

6. 7. 8. Read these instructions. Keep these instructions.

Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with a dry cloth. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong.

The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 11. Only use attachments/accessories specified by the manufacturer. 12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 13.

Unplug this apparatus during lightning storms or when unused for long periods of time. 14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. 9.

For the U.K. WARNING: THIS APPARATUS MUST BE EARTHED IMPORTANT: THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE. GREEN-AND-YELLOW: EARTH, BLUE: NEUTRAL, BROWN: LIVE As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or coloured GREEN or GREEN-AND-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED. 2 USING THE UNIT SAFELY Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly. Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. * Material damage refers other adverse effects respect to the home furnishings, as well animals or pets. to damage or caused with and all its to domestic The symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger. The symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.

The symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the powercord plug must be unplugged from the outlet. 001 006 · Before using this unit, make sure to read the instructions below, and the Owner's Manual.

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· Connect mains plug of this model to a mains socket outlet with a protective earthing connection.

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. 008e · Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page.

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.... 004 · Use only the attached power-supply cord.
Also, the supplied power cord must not be used with any other device.

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..... 009 · Never use or store the unit in places that are: · Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are · Damp (e.g., baths, washrooms, on wet floors); or are · Humid; or are · Exposed to rain; or are · Dusty; or are · Subject to high levels of vibration. ...

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..... 005 · Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits.

Damaged cords are fire and shock hazards!



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. 010 · This unit, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period 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 immediately stop using the unit, and consult an audiologist. .

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..... 011 · This unit should be used only with a rack or stand that is recommended by Roland.

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.. · Do not allow any objects (e.g., flammable material, coins, pins); or liquids of any kind (water, soft drinks, etc.) to penetrate the unit.

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.. 3 012a 101a · Immediately turn the power off, remove the power cord from the outlet, and request servicing by your retailer, the nearest Roland Service Center, or an authorized Roland distributor, as listed on the "Information" page when: · The power-supply cord, or the plug has been damaged; or · If smoke or unusual odor occurs · Objects have fallen into, or liquid has been spilled onto the unit; or · The unit has been exposed to rain (or otherwise has become wet); or · The unit does not appear to operate normally or exhibits a marked change in performance. ..

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..... 013 · The unit should be located so that its location or position does not interfere with its proper ventilation.

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101c · This (RD-700SX) for use only with Roland stand KS-17. Use with other stands (or carts) is capable of resulting in instability causing possible injury. ..

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.... 102b · Always grasp only the plug on the power-supply cord when plugging into, or unplugging from, an outlet or this unit.

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. 103a · In households with small children, an adult should provide supervision until the child is capable of following all the rules essential for the safe operation of the unit.

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..... 014 · Protect the unit from strong impact. (Do not drop it!).

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..... 015 · At regular intervals, you should unplug the power plug and clean it by using a dry cloth to wipe all dust and other accumulations away from its prongs. Also, disconnect the power plug from the power outlet whenever the unit is to remain unused for an extended period of time. Any accumulation of dust between the power plug and the power outlet can result in poor insulation and lead to fire. ..

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.... 104 · Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices.

Be especially careful when using extension cords--the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through. ...

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... 016 · Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.

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. 106 · N devices. 308 · Please be aware that all data contained in the unit's memory may be lost when the unit is sent for repairs. Important data should always be backed up in another MIDI device (e.g., a sequencer), or written down on paper (when possible). During repairs, due care is taken to avoid the loss of data. However, in certain cases (such as when circuitry related to memory itself is out of order), we regret that it may not be possible to restore the data, and Roland assumes no liability concerning such loss of data. · Although the LCD and LEDs are switched off when the POWER switch is switched off, this does not mean that the unit has been completely disconnected from the source of power. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet.

For this reason, the outlet into which you choose to connect the power cord's plug should be one that is within easy reach and readily accessible. Additional Precautions 551 · Please be aware that the contents of memory can be irretrievably lost as a result of a malfunction, or the improper operation of the unit. To protect yourself against the risk of losing important data, we recommend that you periodically save a backup copy of important data you have stored in the unit's memory in another MIDI device (e.g., a sequencer). 552 Placement 351 · Using the unit near power amplifiers (or other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference. 352a · Unfortunately, it may be impossible to restore the contents of data that was stored in another MIDI device (e.g., a sequencer) once it has been lost. Roland Corporation assumes no liability concerning such loss of data. 553 · This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers. 352b · Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using its jacks and connectors. Rough handling can lead to malfunctions.

554 · Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off. 354a · Never strike or apply strong pressure to the display. 556 · When connecting / disconnecting all cables, grasp the connector itself--never pull on the cable.

This way you will avoid causing shorts, or damage to the cable's internal elements. 557 · A small amount of heat will radiate from the unit during normal operation. 558a · Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit. 355b · To avoid disturbing your neighbors, try to keep the unit's volume at reasonable levels. You may prefer to use headphones, so you do not need to be concerned about those around you (especially when it is late at night). 559a · When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the

condensation has completely evaporated. 358 · When you need to transport the unit, package it in the box (including padding) that it came in, if possible.

Otherwise, you will need to use equivalent packaging materials.



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561 · Do not allow objects to remain on top of the keyboard. This can be the cause of malfunction, such as keys ceasing to produce sound. · Use only the specified expression pedal (EV-5/7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit. Handling CD-ROMs 801 Maintenance 401a · For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth. ·

Avoid touching or scratching the shiny underside (encoded surface) of the disc. Damaged or dirty CD-ROM discs may not be read properly.

Keep your discs clean using a commercially available CD cleaner. 5 Main Features Progressive Hammer Action The RD-700SX incorporates Roland's "progressive hammer action keyboard," which realistically reproduces the comfortable, natural touch of the grand piano. While offering excellent responsiveness and quiet action, this keyboard also reproduces the subtle changes in touch as you move from the lower to the higher registers. Additionally, the progressive hammer action keyboard features an environmentally friendly design, with absolutely no lead used in the hammers. Rhythm and Arpeggiator

Functions You can play back Rhythm patterns and perform arpeggios with the press of a single button.

Enjoy a variety of performance techniques, with backing using realistic drum sounds for a real session feel, arpeggios and cutting you get just by playing the chords, and more (p. 46,p. 48). Fast MIDI Control You can also control various functions, such as adjusting volume levels and selecting Tones, simply and easily from an external MIDI device. This provides fast and intuitive control when using the keyboard on stage (p.

60). New Piano Tones The instrument features newly developed, authentic piano tones with wide dynamic range and rich expression. Great for any musical genre or scene, whether it be performing with a band or playing a solo ballad, the RD-700SX is the perfect stage piano. Additionally, The instrument features an 88-note multisampled piano painstakingly recorded by professional engineers. It boasts not only tonal quality but also a high level of presence, making it closer than ever to the "real thing." It is also furnished with a wealth of electronic piano, organ, string, synth pad, and other Tones that allow you to use the instrument as a stage piano. Once you try it onstage, you'll come to fully understand its capabilities. Interface for Full Connectivity The RD-700SX comes equipped with a USB port for connecting to computers. You can use this to perform with MIDI data received from the computer and to save the RD-700SX's setup files. Additionally, two separate MIDI OUT ports allow you to control two different MIDI sound modules simultaneously.

On top of all this, the RD-700SX XLR connectors provide balanced output to connected audio gear, enabling you to supply stable audio output. Exclusive Piano Functions The "Piano Edit" function allows you to program subtle changes for the piano and electric piano tones (p. 73). Expandability You can install up to two Wave Expansion Boards, a favorite for use with Roland's SRX Series. Starting with the "SRX-02 Concert Grand" Tone, you can enjoy performing with the most up-to-date Tones available as they are continually released (p. 15). A Full 128 Voices The RD-700SX features 128-voice polyphony, with all sounds available in every performance mode. Enjoy natural performances even when layering multiple sounds. Sophisticated Design With its black body, the

RD-700SX offers the perfect look and presence on stage. The panel's refined design enhances operability, while rear cable connections are a cinch.

In addition, the cover to the wave expansion board is designed so it won't easily fall off even if the screws are removed. Simple Push-Button Operation You can access Split, Effects and carry out other main operations simply by pressing a single button (p. 12). Furthermore, pressing the ONE TOUCH [PIANO] button lets you immediately switch to the settings most suited for piano performances, regardless of the mode or settings currently in effect (p. 32).

SMF Play Function The RD-700SX is compatible with both General MIDI and General MIDI 2 standards. Additionally, you can transmit SMF music files to the RD-700SX from the USB port and play back the data. This allows you to perform while playing back SMF music files without the use of an external sequencer. High-Quality Effects In addition to two multi-effects systems, you can also use the reverb and chorus individually. The instrument also realistically reproduces the tonal changes of an acoustic grand piano, including the change in resonance created by pressing the damper pedal (p.

75) and the degree of openness of the grand piano's lid (p. 74). Moreover, the Sound Control function (p. 44) and digital equalizer (p. 45) enable a wide range of tonal adjustments. Convention Used in This Manual · Words enclosed in square brackets [] indicate panel buttons. Example: [SPLIT] indicates the SPLIT button. · (p. **) indicates a reference page · The explanations in this manual include illustrations that depict what should typically be shown by the display.

Note, however, that your unit may incorporate a newer, enhanced version of the system (e.

g., includes newer sounds), so what you actually see in the display may not always match what appears in the manual. Equipped With Organ Tone Wheel Sound Generator For organ Tones, the RD-700SX comes equipped with an organ Tone wheel sound generator used in the Roland Combo Organ. This sound generator lets you recreate organ sounds, changing the level of each footage (p. 54). 6 Contents USING THE UNIT SAFELY.....

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. 178 11 Panel Descriptions Front Panel fig.buttons 1 3 2 1. [V-LINK] Switching this on lets you control external V-LINK compatible video equipment connected to the RD-700SX (p. 97).

4 [CHORUS/DELAY] Changes the chorus type (p. 43). 5 MULTI-EFFECTS [CONTROL] knob Adjusts the way that effects are applied (p. 52). 2. VOLUME Slider Adjusts the overall volume that is output from the rear panel OUTPUT jacks and PHONES jack (p. 24). MULTI-EFFECTS [ON/OFF] Switches the multi-effects on/off (p. 52). 3. EQUALIZER/EFFECTS [SOUND CONTROL] Switching this on reduces inconsistencies in the volume and produces a more stable, coherent sound (p. 44). 5. ZONE SWITCH/CONTROL ZONE SWITCH Turns each part's sound on and off (p. 41).

[LOW] knob Adjusts the sound's low-frequency range (p. 45). ZONE LEVEL slider Adjusts the volume level for each part (p. 41). When [EXTERNAL/INTERNAL] is on, this controls each part for the external MIDI sound generator (p. 64). In addition, when [CONTROL/ZONE LEVEL] is on, the tone is changed in real time in response to the assigned parameter and function. [MID FREQ] knob Adjusts the midrange frequencies (p. 45). [MID LEVEL] knob Adjusts the sound's midrange-frequency range (p.

45). [HIGH] knob Adjusts the sound's high-frequency range (p. 45). [EXTERNAL/INTERNAL] Puts the RD-700SX in control of the external MIDI sound generator (p. 60).

[ON/OFF] Turns the equalizer on/off (p. 45). [RHYTHM/SONG] Switches RHYTHM and SONG on/off (p. 48, p. 50).

4. REVERB, CHORUS/DELAY, MULTI-EFFECTS REVERB [DEPTH] knob Adjusts the amount of reverb (p. 43). [CONTROL/ZONE LEVEL] This determines the function of the ZONE LEVEL sliders (p. 85). [ARPEGGIO] Switches Arpeggiator on/off (p. 46). [REVERB] Changes the reverb type (p. 43). [SPLIT] Puts the keyboard in "Split mode," wherein you can use more than one tone by having different tones play in different parts of the keyboard (p.

38). CHORUS/DELAY [DEPTH] knob Adjusts the amount of chorus (p. 43). 12 Panel Descriptions fig.buttons 6 7 8 10 11 12 13 9 [TRANSPOSE] Sets the range of the keyboard to transposed (p. 42). 14 [SETUP] Calls up the stored settings (Setup) (p. 56). 6. DISPLAY This shows the Tone names and the values of various settings, etc.

11. ZONE SELECT buttons Selects the zone for which the tone is to be selected (p. 40). [SHIFT/EXIT] Pressed to return to a previous screen or to cancel a procedure that is in progress. Additionally, you can easily call up Edit screens for related parameters for the following functions by holding down this button while pressing buttons, turning knobs, or operating other controllers (p.

155). 12. EXPANSION [A], [B] This selects a sound from a wave expansion board, sold separately (p. 35). 13.

FUNCTION [EDIT] Press this button when you wish to adjust various settings (p. 78). [F1/TONE INFO] This allows you to change the tone settings (p. 70). You can also use this to assign functions in some screens. [WRITE] Stores the current settings to "Setup" (p. 58). [F2/ZONE INFO] This allows you to change the zone settings (p. 68). You can also use this to assign functions in some screens.

[NUM LOCK] You can input numerical values with the TONE SELECT buttons when this button is lit (p. 34). In addition, you can listen to the demo songs by simultaneously pressing this button and [EDIT] (DEMO PLAY) (p. 31). [ENTER] This is used to finalize a value or execute an operation. 14. TONE SELECT buttons Pressed to select tones (p. 33). You can also input numerical values with these buttons when the [NUM LOCK] button is on. [NUM LOCK] turns on automatically in the Edit and other screens, enabling input of numerical values with the buttons.



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fig. BENDER 7. CONTRAST knob Adjusts the display's contrast (p. 26). 8. CURSOR [], [], [], [] Press these to switch pages and to move the cursor. 9. [DEC], [INC] This is used to modify values. If you keep on holding down one button while pressing the other, the value change accelerates. 10. ONE TOUCH [PIANO] Selects the optimum settings for piano performances (p. 32). Pitch Bend/Modulation Lever This allows you to control pitch bend or apply vibrato (p. 44). [E.PIANO] Selects the optimum settings for E.piano performances (p. 32). 13 Panel Descriptions Rear Panel fig.rear 1 3 4 5 6 7 8 9 2 1.

[POWER ON] Switch Switch turns the power on/off (p. 23). 2. AC Inlet Connect the included power cord to this inlet (p. 21). 3. Wave Expansion Board Installation Slot Remove the cover for installation of optional wave expansion boards (SRX Series) (p. 15). 4. USB Connector Connect your computer here to exchange Standard MIDI file and setup file between the computer and the RD-700SX (p. 104). 5. PEDAL Jacks (DAMPER, FC1, FC2) Connecting the pedal switch (DP series) provided with the RD700SX to the DAMPER jack allows you to use the switch as a damper pedal. With a pedal connected to the FC-1 or FC-2 jack, you can then assign a variety of functions to the pedal (p. 70, p. 84). 6. MIDI Connectors (IN, OUT1, OUT2, THRU) Used for connecting external MIDI devices and for transmission of MIDI messages (p. 60, p. 91, p. 101). 7. OUTPUT L (MONO)/R Jacks Provide output of the audio signals. These are connected to an amp or other device. For monaural output use the L/MONO jack (p. 21). 8. BALANCED OUT L/R Jacks Connectors for balanced output of the audio signals. Connect to mixers and other such gear (p. 21).

9. PHONES Jack A set of headphones can be connected to this jack (p. 21). Even when headphones are connected, sound will still be output from the OUTPUT jacks. 14 Getting Ready Installing the Wave Expansion Board Up to two optional Wave Expansion Boards (SRX Series) can be installed in the RD700SX. Wave Expansion Boards store Wave data, Patches, and Rhythm Sets, and by equipping the RD-700SX with these boards, you can greatly expand your sound palette. For more information about the wave expansion board tones, refer to the patch list included with the wave expansion board. However, some of the tone names may be displayed differently on the RD-700SX. Check 36page as you refer to the tone names. Cautions When Installing an Wave Expansion Board 901 · To avoid the risk of damage to internal components that can be caused by static electricity, please carefully observe the following whenever you handle the board.

1 · Before you touch the board, always first grasp a metal object (such as a water pipe), so you are sure that any static electricity you might have been carrying has been discharged. 2 · When handling the board, grasp it only by its edges. Avoid touching any of the electronic components or connectors. · Use a Phillips screwdriver that is suitable for the size of the screw (a number 2 screwdriver). If an unsuitable screwdriver is used, the head of the screw may be stripped.

· To remove a screw, rotate the screwdriver counterclockwise. To tighten a screw, rotate the screwdriver clockwise. · Be careful that the screws you remove do not drop into the interior of the RD-700SX. · Do not leave the rear panel cover removed. After installation of the Wave Expansion Boards is complete, be sure to replace the cover.

911 loosen tighten · Do not touch any of the printed circuit pathways or connection terminals. 912 · Never use excessive force when installing a circuit board. If it doesn't fit properly on the first attempt, remove the board and try again. 913 · When circuit board installation is complete, double-check your work. 914 · Always turn the unit off and unplug the power cord before attempting installation of the circuit board. 915 · Install only the specified circuit board(s) (SRX Series). Remove only the specified screws. · Be careful not to cut your hand on the edge of the installation bay. Install the Wave Expansion Boards after removing the rear panel cover. There are two slots (A and B) into which a board can be installed.

Specify which slot's board is to be used by pressing EXPANSION [A] or [B] on the front panel when using waves, tones, or Rhythm Sets from the wave expansion boards. 15 Getting Ready Installing SRX Series Boards 1 2 Before installing any Wave Expansion Board, turn off the power on the RD-700SX and all devices connected to it. Refer to the following illustration of the RD-700SX's rear panel, and remove the screws indicated. Then, remove the cover. fig.00-02e Screws to be removed You can remove the cover easily by pressing on the lower part of the cover (above the fig.00-03e mark). push 3 Insert the Wave Expansion Board connector into a connector for an SRX Series slot (SRX A or SRX B), while simultaneously inserting the board holders into the holes in the Wave Expansion Board. fig.00-04e Wave Expansion Board (SRX series) If the same type of Wave Expansion Board is installed in the SRX A slot and the SRX B slot, it will only be possible to select data from the Wave Expansion Board that was installed in the SRX A slot.

Board holder Position them as shown before you install the board. Connector 16 Getting Ready 4 Use the Installation Tool supplied with the Wave Expansion Board to turn the holders in the LOCK direction, so the board will be fastened in place. fig.00-05e LOCK Installation tool 5 Use the screws that you removed in step 2 to fasten the cover back in place. Checking the Installed Wave Expansion Boards After installation of the Wave Expansion Boards has been completed, check to confirm that the installed boards are being recognized correctly.

fig.00-06p 2 1 2 Turn on the power, as described in "Turning On the Power" (p. 23). "Selecting Wave Expansion Board Tones" (p. 35). The name of the installed wave expansion board is displayed for as long as EXPANSION [A] or [B] is held down. The number of tones and Rhythm Sets contained in the expansion board is displayed. The example here depicts what you would see if the SRX-02 "Concert Piano" Wave Expansion Board were installed in the SRX A slot. fig.00-07g If "-----" appears next to the name of the slot in which the board was installed, it may be that the wave expansion board is not being recognized properly. Use the procedure in "Turning Off the Power" (p. 24) to turn the power off, then reinstall the wave expansion board correctly. By releasing the button, you go back to the previous screen. 17 Getting Ready Installation de la carte d'extension Wave(French language for Canadian Safety Standard) Vous pouvez installer jusqu'à 2 cartes d'extension optionnelles dans le RD-700SX.



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Ces cartes d'extension memorisant des donnees Wave, des morceaux et des ensembles rythmiques, elles vous permettront d'augmenter considerablement le timbre.

Pour de plus amples renseignements sur les tonalites de la carte d'expansion Wave, se reporter à la liste des timbres incluse avec la carte. Toutefois, certains des noms de tonalites peuvent s'afficher differemment sur le RD-700SX. Consulter la p. 36 pour les noms des tonalites. Precautions lors de l'installation de la carte d'extension Wave 901(F) · Veuillez suivre attentivement les instructions suivantes quand vous manipulez la carte afin d'eviter tout risque

d'endommagement des pieces internes par l'electricite statique. 1 · Toujours toucher un objet metallique relie à la terre (comme un tuyau par exemple) avant de manipuler la carte pour vous decharger de l'electricite statique que vous auriez pu accumuler. 2 · Lorsque vous manipulez la carte, la tenir par les cotes. Evitez de toucher aux composants ou aux connecteurs. · Utiliser un tournevis cruciforme correspondant a la taille de la vis (un tournevis numero 2). En cas d'utilisation d'un tournevis inapproprié, la tete de la vis pourrait etre endommagee.

· Pour enlever les vis, tourner le tournevis dans le sens contraire des aiguilles d'une montre. Pour resserrer, tourner dans le sens des aiguilles d'une montre. fig.00-01f · Veuillez a ne pas laisser tomber de vis dans le chassis du RD-700SX. · Ne pas laisser la plaque arriere detachee.

Apres avoir installe la ou les carte(s) d'extension, bien remettre la plaque en place. 911(F) desserrer resserrer · Ne pas toucher aux circuits imprimés ou aux connecteurs. 912(F) · Ne jamais forcer lors de l'installation de la carte de circuits imprimés. Si la carte s'ajuste mal au premier essai, enlevez la carte et recommencez l'installation. 913(F) · Quand l'installation de la carte de circuits imprimés est terminée, reverifiez si tout est bien installé.

914(F) · Toujours eteindre et debrancher l'appareil avant de commencer l'installation de la carte. 915(F) · N'installez que les cartes de circuits imprimes specifiees (SRX Series). Enlevez seulement les vis indiquees. · Installer les cartes d'extension apres avoir enleve la plaque arriere. · Veuillez a ne pas vous couper les doigts sur le bord de l'ouverture d'installation. Avant d'installer la carte d'expansion Wave, retirer le panneau arriere. Il y a deux emplacements (A et B) dans lesquels une carte peut etre installée. Specifier l'emplacement à utiliser en appuyant sur EXPANSION [A] ou [B] sur le panneau avant lors de l'utilisation d'ondes, de tons ou de groupes rythmiques à partir des cartes d'expansion Wave. 18 Getting Ready Installer les cartes de serie SRX 1 2 Avant d'installer une carte d'extension Wave, eteindre tous les appareils relies au RD-700SX. Detacher la plaque arriere en enlevant les vis indiquees sur le schema suivant.

fig.00-02f Vis à enlever Il est facile d'enlever le couvercle: il suffit d'appuyer sur la partie inferieure du couvercle (au-dessus du symbole fig.00-03f). push 3 Insérer le connecteur de la carte dans un des creneaux pour la serie SRX (SRX A, SRX B) tout en enfoncant les supports a carte dans les trous de celle-ci.

fig.00-04f Carte d'extension Wave (serie SRX) Support à carte Avant l'installation, orienter les supports à carte tel qu'indiqué sur le schema. Connecteur 19 Getting Ready 4 Pour tourner les supports en position LOCK (verrouille), utilisez l'outil d'installation de la carte d'extension fournie a cet effet. De cette facon, la carte sera bien fixee a sa place. fig.00-05f LOCK Si la meme sorte de carte d'extension Wave est installee dans les creneaux SRX A et SRX B, il ne sera possible de selectionner que les donnees de la carte d'extension Wave installee dans le creneau SRX A.

Outil d'installation 5 Reposez le couvercle en remettant les vis enlevees (comme specifie) a l'etape 2. Verification des cartes d'extension audio apres installation Lorsque l'installation des cartes d'extension audio est terminee, proceder a une verification pour s'assurer que l'ordinateur les identifie correctement. fig.00-06p 2 1 2 Mettre sous tension de la facon decrite sous "Turning On the Power" (p. 23).

"Selecting Wave Expansion Board Tones" (p. 35). Le nom de la carte d'expansion Wave installee s'affiche tant que la touche EXPANSION [A] ou [B] est tenue enfoncee. Le nombre de tonalites et de groupes rythmiques compris sur la carte d'expansion s'affiche. L'exemple montre ce qui serait affiche si la carte d'extension audio SRX-02 "Concert Piano" etait installee dans la fente SRX A.

fig.00-07g Si "-----" est affiche a cote du nom de la fente dans laquelle la carte est installee, il est possible que la carte d'extension audio installee ne soit pas reconnue correctement. Mettre hors tension de la facon decrite sous "Turning Off the Power" (p. 24) et reinstaller correctement la carte d'extension audio. Lorsque vous le relacherez, vous serez ramene a l'ecran precedent. 20 Getting Ready Connecting the RD-700SX to External Equipment The RD-700SX is not equipped with an amplifier or speakers. In order to produce sound, you need to hook up audio equipment such as a monitor speaker or a stereo set, or use headphones. * Audio cables, MIDI cables, USB cables, headphones, and expression pedals are not included. Consult your Roland dealer if you need to purchase accessories such as these. To prevent malfunction and/ or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.

921 fig.00-08e to Power outlet Computer Pedal switch (DP-2/8) Expression pedal (EV-5/7) or Pedal switch (DP-2/8) Stereo headphones MIDI IN MIDI IN MIDI OUT MIDI sound module etc. V-LINK-compatible video equipment. MIDI sequencer etc. Monitor speakers (powered) Mixer etc. Power amp. 21 Getting Ready 1 Before you begin making connections, confirm the following. Is the volume level of the RD-700SX or connected amp turned all the way down? Is the power to the RD-700SX or connected amp turned off? 2 3 Connect supplied power cord to the RD-700SX, and plug the other end into an AC power outlet.



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Use Stereo headphones. Connect the RD-700SX and the external device.

Use audio cables to connect audio equipment, such as an amp or speakers. Use MIDI cables to connect MIDI devices. Use USB cables to connect computer.

If you are using headphones, plug them into the PHONES jack. Connect pedal switches or expression pedals as necessary.

Use only the specified expression pedal (EV-5/7; sold separately). By connecting any other expression pedal, you risk causing malfunction and/ or damage to the unit. 5 Connecting Pedals Connect the pedal included with the RD-700SX to one of the PEDAL jacks. When connected to the DAMPER jack, the pedal can be used as a damper pedal. Connecting the pedal to the FC-1 or FC-2 jack allows you to assign a variety of functions to the pedal (p.

70, p. 85). Set the switch on the included pedal to "Continuous" when the pedal is connected. About the Output Jacks 922 This instrument is equipped with balanced (XLR) type jacks. Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect. fig.XLRJack 22 Getting Ready Turning the Power On and Off 941 Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.

Turning On the Power 1 Before you switch on the power, move the volume down all the way by moving the VOLUME Slider.

Also completely turn down the volume of any connected audio device and other equipment. fig.00-09 In the unlikely event the power is turned off or cut off while Factory Reset (p. 22) is in progress, the data may become corrupted, and it may require additional time for the unit to start up the next time. 2 Press the upper portion of the [POWER ON] switch on the back of the RD-700SX to turn on the power. The unit is powered up, and the display's backlighting comes on.

fig.00-10 To prevent incorrect functioning of the Pitch Bend/ Modulation Lever (p. 44), refrain from touching the lever while the power to the RD700SX is turned on. 3 4 5 Turn on the power to connected external devices.

This unit is equipped with a protection circuit. A brief interval (a few seconds) after power up is required before the unit will operate normally. 942 Adjust the volume of the connected external device. Adjust the RD-700SX's volume to obtain the proper volume level. 23 Getting Ready Turning Off the Power 1 Before you switch on the power, move the volume down all the way by moving the VOLUME Slider.

Also completely turn down the volume of any connected audio device and other equipment. 2 3 Turn off the power to connected external devices. Press the lower portion of the [POWER ON] switch on the back of the RD-700SX. The power is switched off. If you need to turn off the power completely, first turn off the POWER switch, then unplug the power cord from the power outlet.

Refer to "Power Supply" (p. 5). Adjusting the Volume fig.00-11 1 Adjust the volume using the VOLUME slider. Move the slider up to increase the volume, or down to lower it. Also adjust the volume of the connected device to an appropriate level. 24 Getting Ready Restoring the Factory Settings (Factory Reset)

When using the RD-700SX for the first time, start by returning the settings to their factory defaults so that the RD-700SX operates as described in the procedures in the owner's manual. Executing this operation deletes the Setup settings (p. 56). If you want to keep any internally stored content, use the "Bulk Dump (Bulk Dump SETUP)" procedure to save the data to an external sequencer (p.

99). Notes Never turn off the power during Factory Reset (while "Now, Executing" appears in the display). Turning off the power while Factory Reset is in progress may result in corrupted internal data and may prevent the power from being turned on again. If you have confirmed that the internal data has been lost, or if a similar problem exists, consult the retailer from whom you purchased the instrument, or the nearest Roland Service Center. Note, however, that

Roland assumes no liability, including compensation, for consequences arising from any loss of data. fig.00-12p When making USB connections, be absolutely sure to disconnect the USB cable before starting. 3,5,6,7 2,4 1 1 Press [EDIT], getting the indicator to light. The Edit Menu screen appears. fig. 00-13g Instead of selecting with the CURSOR, you can press TONE SELECT [9] to display the Utility Edit screen directly. 2 3 Press CURSOR [] to select "9.Utility." Press [ENTER] to display the Utility screen. fig.

00-14g 4 Press CURSOR [] to select "Factory Reset All." 25 Getting Ready 5 Press [ENTER]. A screen like the one shown below appears. fig.00-15g To cancel the Factory Reset, press [EXIT].

6 Press [ENTER]. The confirmation message appears. fig.00-16g To cancel the Factory Reset, press [EXIT]. 7 Press [ENTER] once again to start the Factory Reset operation. During the execution, "Executing... Don't Power OFF" appears in the display. After the Factory Reset operation is finished, the ONE TOUCH screen will appear.

8 Turn off the power to the RD-700SX, then turn it on again. You can also restore only part of the setting to their factory status. Refer to "Restoring the settings to the factory condition (Factory Reset)" (p. 100). Adjusting the Display Contrast (LCD Contrast) The characters in the display may be difficult to view immediately after turning on the power or after extended use; this may also be because of where and how the display is situated. In such instances, adjust the display contrast by turning the CONTRAST knob on the front panel. fig.00-17p 26 Getting Ready Tuning to Other Instruments' Pitches (Master Tune) For a cleaner ensemble sound while performing with one or more other instruments, ensure that each instrument's basic pitch is in tune with that of the other instruments. In general, the tuning of an instrument is indicated by the pitch in Hertz (Hz) of the middle "A" note. This matching of other instruments' basic reference pitches is called "tuning.

" fig.00-18ps 3 5 2,4 1,6 1 Press [EDIT], getting the indicator to light. The Edit Menu screen appears. fig.00-19g You can directly display the System Edit screen by pressing TONE SELECT [0] instead of selecting with CURSOR.

2 3 Press CURSOR [] to select "0.System." Press [ENTER] to display the Edit screen. fig.00-20g For faster value increases, keep [INC] pressed down and press [DEC].

For decreasing value faster, keep [DEC] pressed down and press [INC]. 4 5 6 Press CURSOR [parameter.] to move the cursor to the "Master Tune" Press [INC]/[DEC] to select the value (415.



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3440.0466.2). If you want to save this setting, press [F1(WRITE)]. Settings saved in the RD-700SX are not deleted even when the power is turned off. Press [EDIT] to make the indicator go dark. You are returned to the Tone screen.

27 Overview of the RD-700SX Basic Organization of the RD-700SX The RD-700SX can be divided into two sections: a keyboard controller section and a sound generator section. The two sections are connected internally by means of MIDI. fig.00-G01e Part A sound generator of this type which can control multiple sounds using one device is referred to as a multitimbral sound generator. The RD-700SX contains a multitimbral sound generator capable of playing sixteen Tones simultaneously. "Parts" are where Tones that are created when the RD-700SX is used as a sound generator are assigned. Since different Tones can be assigned to each of the Parts and controlled individually, you can have multiple Tones play simultaneously, divide the keyboard into separate ranges and have different Tones sound in the different parts (Split), and enjoy playing ensemble performances. The sixteen Parts played by the RD-700SX's internal sound generator are referred to as "Internal Parts." Sound Generator Section Play Zone The RD-700SX features four Parts (UPPER1, UPPER2, LOWER1, and LOWER2) that you can use for freely controlling the Internal Parts with the RD-700SX's buttons and keyboard. These four Parts that are used for controlling the Internal Parts are collectively known as the "INTERNAL Zone.

" Four of the sixteen Internal Parts are assigned to the INTERNAL Zone for control (the RHYTHM Part is fixed at Part 10). Furthermore, you can freely control external MIDI sound generators with the RD-700SX in the same manner as with the INTERNAL Zone. You can likewise control the external MIDI sound generator with the four Parts (UPPER1, UPPER2, LOWER1, and LOWER2), with this group of four Parts being referred to as the "EXTERNAL Zone." The external MIDI sound generator is assigned to these three Parts for control (the RHYTHM Part can also be partially set). Keyboard Controller Section (controllers such as keyboard, pitch bend lever, etc.

) Keyboard Controller Section This section includes the keyboard, the Pitch Bend/Modulation Lever, the panel knobs, the sliders, and any pedal connected to the rear panel. Actions such as pressing and releasing of keys on the keyboard, depressing a pedal, and so forth, are converted to MIDI messages and sent to the sound generator section, or to an external MIDI device. Sound Generator Section The sound generator section produces the sound. Here, MIDI messages received from the keyboard controller section or external MIDI device are converted to musical signals, which are then output as analog signals from the OUTPUT and PHONES jacks. Basic Operation Main Screens ONE TOUCH Screen When ONE TOUCH [PIANO] or [E.

PIANO] is pressed, setting the RD-700SX to the optimal status for piano performances, this screen is displayed. fig.00-G03g Units of Sound When using the RD-700SX, you will notice that a variety of different categories come into play when working with sounds. What follows is a simple explanation of each sound category. Tone The individual sounds used when playing the RD-700SX are referred to as "Tones." The RD-700SX provides 488 types of Tones. Tones are assigned to each part. The Tones also include various groups of percussion instrument assembled into "Rhythm Sets." Each key (note number) of a Rhythm Set will produce a different percussion instrument. 28 Overview of the RD-700SX The Tone Screen (Basic Screen) The names of the Tones currently selected for the INTERNAL Zone are displayed.

This is the screen that is ordinarily displayed. You can change the INTERNAL Zone (UPPER1, UPPER2, LOWER1, and LOWER2) Tones and tempo. fig.00-G02g fig.00-G06g EXTERNAL Screen When [EXTERNAL/INTERNAL] is pressed, the button's indicator lights up, and the RD-700SX switches to the mode enabling it to control an external MIDI sound generator. The status of this button determines whether the RD-700SX's buttons are used to control the INTERNAL Zone ([EXTERNAL/INTERNAL] unlit), or to control the EXTERNAL Zone ([EXTERNAL/INTERNAL] lit). In addition, you can make detailed settings for the MIDI messages to be transmitted to the external sound generator (p. 61). fig.00-G06g The Tone Wheel Screen In the Tone screen, when any ORGAN Tone "Tone Wheel 1-10" is selected for any of the INTERNAL Zone, this screen is displayed when CURSOR [] is pressed.

The mode when this screen is displayed is called "Tone Wheel mode," and while in this mode you can simulate the creation of sounds using an organ's harmonic bars (p. 53). Pressing CURSOR [] when this screen is displayed returns you to the Tone screen. fig.00-G04g Special Indications fig.mark-tempoM The Setup Screen The currently selected Setup is displayed (p. 56). Pressing CURSOR [] when the Tone screen or Tone Wheel Screen is displayed switches the RD-700SX to this screen. You can also have this screen displayed by pressing [SETUP]. You can change the Setups (p. 46, p. 48, p. 50). Pressing CURSOR [] when this screen is displayed returns you to the Tone screen or Tone Wheel Screen. fig.00-G05g A mark is displayed to the right of the tone name when you select an 88-key multisampled piano tone in the Tone screen. fig.mark-tempoM A mark is displayed to the left of the tone name when you select "TW-Organ 110" in the Tone screen. Pressing CURSOR [] while this mark is displayed brings up the Tone Wheel screen (p. 53).

fig.mark-tempoM With Clock Source (p. 81) set to MIDI, the tempo indication changes to "M:" for each screen. The tempo can be changed with the external MIDI devices when this mark is indicated. fig.mark-EQ With EQ Mode (p. 80) set to SYSTEM, this mark appears upper right on the screen. Equalizer settings do not change when Setups are switched while this mark is indicated. fig.mark-PD The Rhythm/Song/Arpeggio Screen Pressing CURSOR [] when the Tone screen is displayed switches the RD-700SX to this screen.

You can change Song, Rhythm patterns, Arpeggio patterns, and the tempo. Pressing CURSOR [] when this screen is displayed returns you to the Tone screen. With Pedal Mode (p. 80) set to "SYSTEM," this mark appears on the upper right of the screen. Pedal settings do not change when Setups are switched while this mark is indicated.

About the Function Buttons fig.00-G07p 29 Overview of the RD-700SX [EDIT] By pressing [EDIT] to make the indicator light, you can enter "Edit mode." In Edit mode you can make detailed settings for various functions. You can exit Edit mode by pressing [EDIT], extinguishing its indicator. Additionally, when multiple parameters are presented horizontally in a row, as shown in the EXTERNAL screen, you can get the cursor to move more rapidly by holding down the CURSOR button that points in the direction you want the cursor to move while you also press the CURSOR button that points in the opposite direction.



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