



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ROLAND VR-760. You'll find the answers to all your questions on the ROLAND VR-760 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ROLAND VR-760
User guide ROLAND VR-760
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Manual abstract:

3), and "IMPORTANT NOTES" (Owner's manual p. 5). @@@@No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION. 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.

When 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. Never use with a cart, stand, tripod, bracket, or table except as 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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.... 002b · Do not open or perform any internal modifications on the unit.

(The only exception would be where this manual provides specific instructions which should be followed in order to put in place user-installable options; see p. 83.)

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..... 003 · *When using the unit with a rack or stand recommended by Roland, the rack or stand must be carefully placed so it is level and sure to remain stable. If not using a rack or stand, you still need to make sure that any location you choose for placing the unit provides a level surface that will properly support the unit, and keep it from wobbling.*

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..... 008a · *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 · *The unit should be connected to a power supply only of the type described in the operating instructions, or as marked on the unit.*

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.... · 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.



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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 · 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: · 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 101a · The unit should be located so that its location or position does not interfere with its proper ventilation.

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..... 101c · This (VR-760) for use only with Roland stand KS12. Use with other stands 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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.. 106 · Never climb on top of, nor place heavy objects on the unit.

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.... 107b · Never handle the power cord or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.

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.....hol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

· 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 Additional Precautions 551 · This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers. 352b · 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 on a DATA card, or in another MIDI device (e.g., a sequencer). 552 · 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. 354b · Unfortunately, it may be impossible to restore the contents of data that was stored on a DATA card, or in another MIDI device (e.g., a sequencer) once it has been lost. Roland Corporation assumes no liability concerning such loss of data.

553 · 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. Also, do not allow lighting devices that normally are used while their light source is very close to the unit (such as a piano light), or powerful spotlights to shine upon the same area of the unit for extended periods of time. Excessive heat can deform or discolor the unit. 355b · 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 · 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 · 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. 356 · A small amount of heat will radiate from the unit during normal operation. 558a · 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 · Do not allow rubber, vinyl, or similar materials to remain on the unit for long periods of time.

Such objects can discolor or otherwise harmfully affect the finish. · 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. 561 · Use only the specified expression pedal (EV-7; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit. 5 2. Insert the memory card into the memory card slot. Before Using Cards Using DATA Cards · The VR-760's memory card slot accepts CompactFlash memory cards. Microdrive storage media by IBM are not compatible. · CompactFlash and are trademarks of SanDisk Corporation and licensed by CompactFlash association. · Roland Corporation is an authorized licensee of the CompactFlash TM and CF logo trademarks.



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3. Use the screws to fasten the card protector as shown below. Card protector Inverted · Fugue ©1999-2003 Kyoto Software Research, Inc. All rights reserved.

fig.d-upgopt.eps_50 Side view · CompactFlash cards are constructed using precision components; handle the cards carefully, paying particular note to the following. · To prevent damage to the cards from static electricity, be sure to discharge any static electricity from your own body before handling the cards. · Do not touch or allow metal to come into contact with the contact portion of the cards. · Do not bend, drop, or subject cards to strong shock or vibration. · Do not keep cards in direct sunlight, in closed vehicles, or other such locations (storage temperature: -25°85°). · Do not allow cards to become wet. · Do not disassemble or modify the cards. · Never insert or remove a CompactFlash card while the VR-760's power is on. Doing so may corrupt the VR-760's data or the data on the CompactFlash card. 704 · Carefully insert the CompactFlash card all the way in-- until it is firmly in place. 705 · Never touch the terminals of the CompactFlash card. Also, avoid getting the terminals dirty. Installing the card protector The VR-760 provides a card protector to prevent theft of the memory card.

To install the card protector, use the following procedure. 1. Use a screwdriver to remove both screws that are at either side of the memory card slot. 6 Main Features Emphasis on Basic Keyboard Functions for Stage Use Handles Organ, Piano, and Synthesizer Parts The VR-760 is a 76-key portable keyboard that integrates extremely high-quality "organ," "piano," and "synthesizer" sounds, so important for bands who need to cover organ, piano, and synthesizer parts, all in one unit. The sections for controlling these three instruments, arranged on the VR-760's panel in an easy-to-understand layout, can all be used simultaneously. specialized control panel for easier operation, and by storing complex combinations of detailed settings from these sections to the registrations, you can call them up very simply later on. In addition, you can immediately switch to the optimal settings for organ, piano, or synth performances, even while performing in various different modes, just by pressing the ONE TOUCH [ORGAN], [PIANO], or [SYNTH] buttons. Greater Expressiveness with Active Expression You can use the synth section's Active Expression function for more expressive power in layered performances and enhanced expression in held notes. Organ Section Equipped with Virtual Tonewheel Sound Generator The VR-760 comes with a "virtual tonewheel" sound generator, which uses digital technology to emulate each and every actual element that took part in creating the traditional organ's sound. The rapid attack is particularly evident when playing glissandos.

The instrument is fully polyphonic, providing ideal performance with no dropouts in the sound. Plus, the Quick Firing keyboard effect reproduces the rapid sounding and rebounding touch of the keys so characteristic of organs. More Powerful Performances with the D Beam Controller Using the D Beam allows the performer to directly infuse their performances with emotional expressiveness. Three functions, specialized for organ, piano, and synth, can be assigned to the D Beam. Refined, Attractive Design With its metallic-colored body and wood side panels, the VR760 looks stunning onstage.

The side panels are made from real wood, so each instrument is one of a kind, and the nicks and scratches that accumulate with use are a natural characteristic, a sort of "badge of honor." Enjoy pride of ownership with this truly unique instrument. * The real wood used in the side panels scratches easily; use proper care in handling the instrument. Equipped with Dedicated Piano Sound Generator The piano section features a dedicated modeling sound generator that reproduces the special qualities available only with a piano. The acoustic piano sound simulates the manner in which the damper is not applied to the higher-register range, half damper, and other features, the electric piano includes the sounds produced as a result of the instrument's construction, including the noises produced when the keys are released and the resonance produced when the keys are played, and even the amp simulation is faithful to the original.

Other Features Includes Rhythm Function This feature allows you to play simple and musical rhythmic performances. Use rhythms as you would phrase loops as a practice aid or employ this function as a creative tool when composing songs. Synth Sections Includes HighQuality Backing Tones The VR-760's synth section comprises a combination of electronic sounds such as analog synth along with realistic string and other acoustic instrument sounds. Centering on ensemble sounds that are easy for bands to use, pad sounds, and synthesizer sounds, all of these luxurious tones have been selected with the utmost care. The VR-760 also features SRX Wave Expansion slots, so you can use these expanded tones to perform in an even wider variety of musical genres. Full Polyphony

Plus 128 Voices The organ section is fully polyphonic, while the piano and synth sections combine for a total of 128 voices, providing ample voices for layering and other performance effects. * Some tones may use more than one voice simultaneously, in which case fewer than 128 voices may be audible. Huge

96 MB Wave Memory The VR-760 is equipped with a massive 96 megabyte (when converted in a linear format) wave memory for the piano and synth sections, as well as for the thirty or so tones in the rhythm section, providing extremely high-quality sound. Simple, Intuitive Control Panel The organ, piano, and synth sections each feature a different 7 Contents USING THE UNIT SAFELY..

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..... 3 IMPORTANT NOTES.....

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....115 11 Panel Descriptions Front Panel fig.

panÇçelF A B C D ig.panelF A 1 2 3 4 5 6 7 1. [MASTER VOLUME] knob Adjust the overall volume (p. 20). 5.

CURSOR, etc CURSOR [], [], [], [] button Press these to switch pages and to move the cursor (p. 26). 2. RHYTHM RHYTHM [ON] button Switch the rhythm on/off (p. 53).



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[DEC], [INC] button This is used to modify values. [RHYTHM VOLUME] knob Adjusts the volume level of the Rhythm part (p. 53). [ENTER] button Use to finalize a value or execute an operation. 3.

D BEAM D BEAM controller You can modify the sound by moving your hand over the D Beam controller (p. 49). Selects one of the following three buttons. In addition, you can hold down this button while pressing [EXIT] button to listen demo song (p. 27). [EXIT] button Press this to cancel operations, to exit from Edit mode, and for other functions. [ROTARY SPEED] button [OCTAVE] button [GLIDE] button 6. ONE TOUCH This allows you to play only the part for the pressed button (p. 28). 4.

Display LED Display This shows the temporary Registration number (p. 25). Display This shows the Tone names and the values of various settings, etc (p. 25). [ORGAN] button [PIANO] button [SYNTH] button 7.

[V-LINK] button Switches the V-LINK on/off (p. 61). 12 Panel Descriptions ig.panelF B 6 7 9 10 11 12 13 8 8. REGISTRATION [BANK] button Press these to select the REGISTRATION banks (p. 29, p. 54). 11.[EDIT] button You can change a variety of settings by holding down this button and pressing the REGISTRATION buttons [1][7] (p. 65). [1][8] button Press these to select the REGISTRATION numbers (p. 29, p. 54). Additionally, press these to select the Edit menu (p. 65).

12.REVERB REVERB [DEPTH] knob Adjusts the amount of reverb (p. 30). [WRITE] button Stores the current settings to the Registration (p. 54). [REVERB TYPE] button Switches the type of the Reverb effect (p. 30). 9. [H-BAR MANUAL] button When this function is used, the harmonic bar settings of will change from the settings of the preset to the positions (settings) of the harmonic bars on the panel (p. 35).

13.MASTER EQ Adjusts the tonal coloration by using the following four knobs (p. 31). 10.[SPLIT] button Divide the keyboard into two halves, and assign a different sound to each area (p. 51). fig.panelF [LOW] knob [FREQ] knob [LEVEL] knob [HIGH] knob C 14 14.Harmonic Bar These bars create the sound of the Organ part. You can modify the tone in real time as you play (p. 33). 15 16 17 18 19 20 [SLOW] button This switches the decay time of the percussion (p. 40). 18.AMPLIFIER [OVERDRIVE] knob Adjust the depth of overdrive (p. 41). Organ Section 15.[TONE WHEEL] button Select the type of the virtual tonewheel (p. 36). [AMP TYPE SELECT] button Switches the type of the Amplifier (p. 41).

16.VIBRATO AND CHORUS VIBRATO AND CHORUS [ON] button Switches the vibrato or chorus effect on/off (p. 37). 19.ROTARY SOUND ROTARY [ON] button This button switches the rotary effect on/off for the organ sound (p. 42). [VIBRATO AND CHORUS TYPE] knob Switches the type of vibrato or chorus effect (p. 37). 17.

PERCUSSION [SECOND] button This adds second percussion (same pitch as the 4' harmonic bar) to the organ voice (p. 38). [BRAKE] button This button switches the rotation of the rotary sound. When this is turned on, the rotation will gradually stop. When it is turned off, the rotation will gradually resume (p. 42). [SLOW/FAST] button This button switches the speed of rotation for the rotary sound (p. 42). [THIRD] button This adds third percussion (same pitch as the 2-2/3' harmonic bar) to the organ voice (p. 38).

20.[ORGAN VOLUME] knob Adjusts the volume level of the Organ Part (p. 30). [SOFT] button This switches the volume of the percussion (p. 39). 13 Panel Descriptions ig.panelF D 21 Piano Section 21.PIANO TONE 22 23 24 25 26 27 28 29 30 27.TONE MODIFY [ATTACK] knob This changes the time it takes for the sound occur after the key is pressed (p. 47).

PIANO [VARIATION] button You can change the tone variation. Each Tone button holds three different variations; as you switch the variations the button indicators changes, cycling through off, red, and green (p. 43). [RELEASE] knob This changes the time it takes for the sound to disappear after the key is released (p. 47). PIANO TONE buttons [CUTOFF] knob This changes the brightness of the sound (p. 47). 22.MIC/AMP [DISTANCE/EQ] knob This adjusts the characteristics of the MIC/AMP modeling (p. 44).

[RESO] knob This adds more presence to the sound (p. 47). 28.SYNTH MFX SYNTH MFX [ON] button Switches the Multi Effects of the Synth Part on/off (p. 47).

[TYPE] button Switches the type of the MIC/AMP (p. 44). 23.PIANO MFX [MFX TYPE] button Switches the type of the Piano part's Multi Effects (p. 45). [CONTROL] knob This adjusts the multi-effects parameters (p. 47). 29.ACTIVE EXPRESSION When using the Active Expression function, press one of the two following buttons (p. 48). PIANO MFX [DEPTH] knob PIANO MFX [RATE] knob Adjusts the way that effects are applied (p. 45). 24.[PIANO VOLUME] knob Adjusts the volume level of the Piano Part (p. 30).

[FADE] button [TIMBRE] button 30.[SYNTH VOLUME] knob Adjusts the volume level of the Synth Part (p. 30). fig.bender Synth Section 25.SYNTH TONE SYNTH [VARIATION] button You can change the tone variation. Each Tone button holds three different variations; as you switch the variations the button indicators changes, cycling through off, red, and green (p. 46). SYNTH TONE buttons Pitch Bend/Modulation Lever This allows you to control pitch bend or apply vibrato (p. 31).

26.WAVE EXPANSION [-] [+] button This selects the SRX Wave Expansion Board global patch variations (p. 46). [SRX EXPANSION] button This selects the SRX Wave Expansion Board global patch (p. 46).

14 Panel Descriptions Rear Panel fig.panelR 1 2 3 4 5 6 7 8 9 1. [POWER] Switch Switch turns the power on/off (p. 19). 2.

AC Inlet Connect the included power cable to this inlet (p. 16). 3. MEMORY CARD slot Insert a CompactFlash card here (p. 6, p. 56). 4. MIDI Connectors (IN, OUT, THRU) Used for connecting external MIDI devices and for transmission of MIDI messages (p. 76, p. 79).

5. LCD CONTRAST knob Adjusts the display contrast (p. 21). 6. PEDAL Jacks (DAMPER, EXP, CONTROL) With a pedal switch (optional DP Series) connected to the DAMPER jack, you can use this as a damper pedal (p. 18, p. 32). With an expression pedal (optional EV-7) connected to the EXP jack, you can use this as an expression pedal (p. 18, p. 32).

With a pedal switch (optional DP Series) connected to the CONTROL jack, a variety of functions can be assigned to the pedal (p. 18, p. 32). 7. OUTPUT R/L (MONO) Connectors Provide output of the audio signals.

These are connected to an amp or other device. For monaural output use the L/ MONO jack (p. 17). 8. OUTPUT BALANCED (R/L) Connectors Provide balanced output of the audio signals.

These are connected to a mixer or other device (p. 17). 9. PHONES Jack A set of headphones can be connected to this jack (p. 17). Even when headphones are connected, sound will still be output from the output jacks.



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15 Before You Begin Playing Connecting the Power Cord 1. 2. Before making a connection, make sure that the VR-760 is turned off. Connect supplied power cord to the VR-760, and plug the other end into a power outlet.

fig.connection_e AC Outlet AC Inlet 16 Before You Begin Playing Before You Begin Playing Connecting the VR-760 to External Equipment The VR-760 is not equipped with an amplifier or speakers. In order to hear the sound, you will need to connect audio equipment such as a monitor speaker system or stereo set, or use headphones. Audio cables, MIDI cables, and headphones are not included. Consult your Roland dealer if you need to purchase accessories such as these. fig.01-02(Connecting) NOTE 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. MIDI IN MIDI OUT MIDI sound module etc. Stereo headphones MIDI sequencer etc. Monitor speakers (powered) Mixer Powered Amplifier 1.

Before you begin making connections, confirm the following. Is the volume level of the VR-760 or connected amp turned all the way down? Is the power to the VR-760 or connected amp turned off? NOTE Use Stereo headphones. 2. Connect the VR-760 and the external device. Use audio cables to connect audio equipment, such as an amp or speakers.

Use MIDI cables to connect MIDI devices. If you are using headphones, plug them into the PHONES jack. * This instrument is equipped with balanced (XLR) type input jacks. Wiring diagrams for these jacks are shown below. Make connections after first checking the wiring diagrams of other equipment you intend to connect.

17 Before You Begin Playing Connecting Pedals Connect the optional pedal (DP-8, etc) 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 CONTROL jack allows you to assign a variety of functions to the pedal (p. 66).

fig.01-03(Connecting Pedals) NOTE Use only the specified expression pedal (EV-7; sold separately). By connecting any other expression pedal, you risk causing malfunction and/or damage to the unit. NOTE With the factory settings, the damper effect is not applied to the organ part (p. 65). NOTE With the factory settings, the expression effect is not applied to the piano part (p.

65). Pedal switch (DP-2, DP-6 etc.) Roland Half-damper pedal (DP-8) or Pedal switch Expression pedal (EV-7) or Pedal switch Installing the Music Stand fig.01-01 1. Using the supplied screws, fasten the music stand to the back of the VR-760 as illustrated. Be sure to use the supplied screws for attaching the music stand. Turn the screws clockwise to tighten them. When attaching the music stand, support it firmly with one hand to make sure that you do not drop it. Be careful, so you do not get your fingers pinched. NOTE Do not apply excessive force to the installed music stand.

2. 18 To remove the music stand, support it with one hand while loosening the screws. Before You Begin Playing Before You Begin Playing Turning the Power On and Off NOTE 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, turn the volume down all the way by rotating the [MASTER VOLUME] knob. Also completely turn down the volume of any connected audio device and other equipment. fig.01-03(Volume) 2. Press the upper portion of the [POWER] switch on the back of the VR-760 to turn on the power.

The unit is powered up, and the display's backlighting comes on. fig.01-04(switch) NOTE To prevent incorrect functioning of the Pitch Bend Lever (p. 14), refrain from touching the lever while the power to the VR760 is turned on. 3. 4. 5. Turn on the power to connected external devices. Adjust the volume of the connected external device. Adjust the VR-760's volume to obtain the proper volume level.

NOTE 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.

Turning Off the Power 1. Before you switch on the power, turn the volume down all the way by rotating the [MASTER VOLUME] knob. 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] switch on the back of the VR-760. The power is switched off.

19 Before You Begin Playing Adjusting the Volume fig.01-05(Volume) 1. Adjust the volume using the [MASTER VOLUME] knob. Rotating the knob clockwise to increase the volume; counterclockwise rotation decreases it. Also adjust the volume of the connected device to an appropriate level.

Restoring the Factory Settings (Factory Reset) When using the VR-760 for the first time, start by returning the settings to their factory defaults so that the VR-760 operates as described in the procedures in the owner's manual. NOTE Executing this operation deletes the Registration settings (p. 54). If you want to keep any internally stored content, use the "Bulk Dump (p. 76)" procedure to save the data to an external sequencer, or store the memory card (p.

58). Notes fig.(!) Never turn off the power during Factory Reset (while "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.

01-06(Panel) 2 3,4 1 20 Before You Begin Playing Before You Begin Playing 1. 2. Hold down the [EDIT] button, and press the REGISTRATION [7] (UTILITY) button. The Edit's "UTILITY" screen is displayed. Press CURSOR [screen. fig.01-08(Factory Reset Y or N)] button to display the "Factory Reset"

To cancel the UTILITY, press the [EXIT] button. 3. Press the [ENTER] button. The confirmation message appears.

fig.01-10(confirmation) To cancel the Factory Reset, press [EXIT] button. 4. Press the [ENTER] button once again to start the Factory Reset operation. During the execution, "Executing.

.. Keep On Power!" appears in the display. After the Factory Reset operation is finished, a message indicating that it is completed appears in the display, and the basic screen will appear. Adjusting the Display Contrast (LCD Contrast) The characters in the display may be difficult to view immediately after turning on the VR-760's power or after extended use.



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Your viewing angle or the current lighting conditions can also affect the appearance of the display. In such situations, you can turn the LCD CONTRAST knob (located on the rear panel) to adjust the contrast of the display. fig.01-10(contrast knob) 21 Before You Begin Playing 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.01-11(panel) The Master Tune setting is a system setting that is applied to the entire VR760 (i.e., is a system setting), This setting remains stored in memory even while the power is off.

3 14 2 1. 2. Hold down the [EDIT] button, and press the REGISTRATION [1] (SYSTEM BASIC) button. The Edit's "SYSTEM BASIC" screen appears. For faster value increases, keep [INC] button pressed down and press [DEC] button. For decreasing value faster, keep [DEC] button pressed down and press [INC] button. Press CURSOR [screen. fig.01-12(MasterTuningScreen)] button to display the "Master Tune" 3. 4.

Press [INC] or [DEC] button to select the value (415.3-440.0466.2). Press [EDIT] button to make the indicator go dark.

You are returned to the basic screen. Pressing [INC] and [DEC] buttons at the same time, the value is set to "440.0." 22 Overview of the VR-760 Basic organization of the VR760 The VR-760 can be divided into three sections: a keyboard controller section, a sound generator section, and a effects section. The three sections are connected internally by means of MIDI.

fig.02-01(kousei) Overview of the VR-760 cause audio signals to be produced through an electromagnetic coil, with the audio signals to be output selected according to how the harmonic bars are set and which keys are pressed, creating the organ's special sound. The VR-760's organ sound generator replaces the traditional organ's whole sound-producing mechanism with digital technology. Instead of 91 Tone wheels, audio signals are produced constantly by means of virtual Tone wheels. The balance of audio signals is controlled by setting the harmonic bars and pressing the keys, which thus creates the organ sound. Sound

Generator Section About the Piano Sound Generator Play 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 aftertouch, the panel knobs, 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. The VR-760's "piano sound generator" is capable of producing both acoustic and electric piano sounds. In addition to high-quality acoustic piano sounds, the instrument also provides a number of important vintage electric piano sounds.

When using the electric piano sounds, the amp simulation can be set to reproduce the sounds of "stage" models, which require an external amp and speakers, as well as "suitcase" models, which come with their own amp and speaker. The instrument is also equipped with a number of effects that are often used with electric pianos. About the Synth Sound Generator The VR-760's "synthesizer sound generator" is built upon the same basic principles as Roland's many digital synthesizer models. This arrangement allows you to produce a variety of different tones, and the VR-760's tones have been rigorously selected to enable you to get just the right sound for analog synthesizer and other electronic sounds, string and other acoustic instrument sounds, and other sounds suitable for ensemble and keyboard performances. On the VR-760, this sound generator is referred to as the "synthesizer sound generator" or simply the "synth." In this Owner's Manual, it is also referred to as the "synth part" or "synth section." 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. The three sound generators that can be controlled using the VR-760's keyboard are described below. Organ Sound Generator Piano Sound Generator Synth Sound Generator Not only can you have these sound generators play independently of one another, you can layer them together or even play different sounds on different parts of the keyboard.

Effects Section This is the section used for adding effects to the sounds produced by the sound generators. Adding effects allows you to change the sound in various ways. The VR-760 offers effects geared toward the organ, piano, and synth sections. On top of this, the instrument also provides reverb and equalization that are applied to all three sound generators. The Difference Between Traditional Organs and the VR-760's Organ Sound Generator Traditional organs create sound using 91 gears called "Tone wheels.

" Each wheel has waves corresponding to the various pitches. When rotated at a fixed speed, the Tone wheels 23 Overview of the VR-760 Composition of the VR-760's Parts The VR-760 uses the following parts. Tones and Memories System Memory Stores the settings that determine the VR-760's operating environment, including settings for the SYSTEM BASIC menu in the Edit mode, as well as those for the SYSTEM MIDI menu. These settings are automatically stored by the VR-760 without any special procedure required. The settings can also be saved to CompactFlash cards.

1. Organ Part This is the part that controls the organ sound generator. The VR-760 features one organ part, and you can control the tone with the harmonic bars (p. 33). 2. Piano Part This is the part that controls the piano sound generator. The VR-760 features one piano part, for which a variety of selections, such as acoustic piano or electric piano, can be made (p. 43). Registration Memories These are memories where you can store each part's tone and effect setups, the front panel settings, tone combinations, and other such data. There are eight registration memory banks, each containing eight separate registrations, allowing you to store a total of 64 collections of settings within the instrument itself.

You can call up stored data instantly by pressing the REGISTRATION buttons [1][8]. Previously stored settings are overwritten when changes to the settings are saved in a registration.



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3. **Synth Part** This is the part that controls the piano sound generator. The VR-760 features one synth part, and you can play different sounds by switching between settings for string, brass and other backing instrument sounds, and analog synthesizer and other keyboard sounds (p. 46). 4. **Rhythm Part** This part can be used to play simple rhythm patterns. It is controlled from the RHYTHM control section found on the panel. It can also be used to play sound using an external MIDI device (p.

52). **Temporary Area** When you select a registration in order to play a sound or edit settings, the settings for the selected registration are called up from the registration memory to a temporary storage area called the "temporary area." When you edit the settings from a registration, it is not the data actually stored in the registration memory that is changed, but rather the data called up to the temporary area. These edited settings remain in the temporary area until they are saved. Settings in the temporary area will be lost when the power is turned off or when you select another registration.

To keep the settings you have modified, you must save them in registration (p. 54). 24 **Overview of the VR-760** Overview of the VR-760 Basic Operation of the VR760 Main Screens Each of the organ, piano, synth, and rhythm parts features a Basic screen; you can move through the different parts by pressing the CURSOR [] button. The registration name for the organ, piano, and synth parts appear in the first row. In the LED screen, the registration number is displayed.

Basic Screen Rules · If the synth and piano parts are turned off, "---" appears in the second row. fig.02-06(--In2ndRow) · When you press the ONE TOUCH button, the first row display appears as shown below. In addition, "--" appears in the LED display at this time. fig.02-08(LEDWithEditMark) **Organ Screen** The second row shows the harmonic bar settings value for the tone currently called up to the temporary area. fig.02-02(OrganScreen) **Piano Screen** The second row shows the tone name of the piano part currently called up to the temporary area. fig.02-03(PianoScreen) · If you move the knob or change the EDIT parameters, a dot (the "editing symbol") lights in the LED display, indicating that the registration's settings have been changed.

fig.02-08(LEDWithEditMark) **Synth Screen** The second row shows the tone name of the synth part currently called up to the temporary area. fig.02-04(SynthScreen) · If you press a button or adjust a knob or other control in any section other than the one for the part in the current screen, the display changes to the Basic screen for the corresponding part in the section in which the operation took place. For example, if the piano screen is up and you adjust a harmonic bar for an organ part, the organ screen is displayed. **Rhythm & Tempo Screen** The name of the rhythm style currently in the temporary area appears in the first row, and the tempo is displayed in the second row. fig.02-05(RythmScreen) 25 **Overview of the VR-760** About the Controller Section The easy-to-understand arrangement of VR-760's buttons and knobs is based on the different controls' functions. fig.02-12(Panel) **Organ Section** About the CURSOR Buttons The CURSOR [] [] [] buttons are used for switching screens, and for moving to an item whose setting you want to change (by moving the cursor).

Piano Section Moving Between Display Pages When arrow symbols () appear at the display screen, it indicates that there are additional pages in the directions shown by the arrows. You can switch screens with CURSOR [] buttons. fig.01-12(ScreenWithYajirusiLR) **Synth Section** [] [] [] Sounds for the organ part are created with the nine harmonic bars and the controls in the organ section on the keyboard panel. To turn the organ part off, slide all of the harmonic bars in as far as they will go and turn off the percussion section.

fig.02-13(PanelOfOrganPart) fig.02-04(ScreenWithYajirusiUD) **Harmonic-Bar** In some screens, you can press [INC] or [DEC] button to change the content of the screen. **Navigating Among Items To Be Set (CURSOR)** When one screen contains more than one parameter, the value for the setting that is enabled for editing is underlined. This underline is called the cursor.

You can move the cursor by pressing the CURSOR [] [] [] buttons, and then change the values with the [INC] and [DEC] buttons.

fig.02-11(ScreenWithCursor) **Tones for the piano and synth parts** are selected with the category and variation buttons in each section's TONE panel. Each category contains three different variations. You can distinguish among variations by observing the status of the button: off, red, or green. To turn off the piano part or organ part, press a lighted category button again, so its light goes out. **Registration Controlling Parts and Registrations** The control panels for the organ, piano, and synth parts are found along the lower row of the keyboard panel. In this manual, these are referred to as the "organ section," "piano section," and "synth section," respectively. You can store the tone, on/off status, effects, split, and other settings for each tone all at one time. Furthermore, you can easily call up the settings stored for any part by pressing the REGISTRATION buttons.

For more on writing data to the registrations, refer to "Saving Settings to Registrations (p. 54)." 26 **Listening to the Demo Songs** Here's how to listen to the demo songs. The VR-760 features the internal demo songs that exhibit the special capabilities of the instrument. **Song Name** Take it Home RED 318 Dressing Up Sonique Oh So Sweet fig.03-01(sousapanel) **Composer** Scott Tibbs Kiyomi Otaka Masashi/Kazuko Hirashita Adrian Scott Scott Tibbs Copyright © 2002 Roland Corporation © 2002 Roland Corporation © 2002 Roland Corporation © 2002 Roland Corporation Demo Song 2 3 1 4, 5 1. 2. 3. Hold down the [ENTER] button, and press the [EXIT] button. Use [INC] [DEC] buttons to select the song that you wish to hear.

Press the [ENTER] button to start playback of the demo song. When the end of the selected song is reached, playback will continue to the next song. NOTE All rights reserved. Unauthorized use of this material for purposes other than private, personal enjoyment is a violation of applicable laws. 4.

5. Press the [EXIT] button to stop playback. Press the [EXIT] button while the song is stopped to finish with the Demo Mode. The display returns to its previous screen. 981a982 NOTE No data for the music that is played will be output from MIDI OUT.

27 **Performing with the Keyboard** Performing the Organ, Piano, or Synth Individually (ONE TOUCH) The VR-760 is normally set to allow you to perform with the organ, piano, and synth parts all playing together (layered).



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If you want to play only the organ, piano, or synth part, you will need to mute the other parts. Furthermore, if you are performing with the keyboard divided into separate key ranges (during Split Play, p. 51), you must also turn this off. These operations are difficult to carry out quickly while you are performing. However, you can remove the split and mute all but the part you want to play simply by pressing one of the ONE TOUCH buttons, [ORGAN], [PIANO], or [SYNTH]. fig.04-01(OTPOfPanel) 1. Press the ONE TOUCH [ORGAN] button. You can now perform playing only the organ part.

In the same manner, pressing the [PIANO] button or [SYNTH] button allows you to perform playing only the piano part or the synth part. 2. To turn the ONE TOUCH function off, either press the ONE TOUCH button with the lit indicator or call up any registration (p. 29). The tones selected by pressing the ONE TOUCH buttons are described below. button ORGAN PIANO SYNTH tone You can perform with the harmonic bar values set to "88 8000 000."

ConcertGrand Orch Strings NOTE When ONE TOUCH button is pressed, all settings are switched to their status at the time the VR-760's power was turned on. To keep the settings, you must save them in registration (p. 54). 28 Performing with the Keyboard Performing with a Variety of Tones (REGISTRATION) The VR-760 comes with settings including organ, piano, and synth settings as well as part combination settings pre-stored in the registrations.

The registrations consist of 64 memories in which you can store different settings, with eight groups (banks) each of which contain eight registrations. Go ahead and try out the various sounds you can get when you call up different registrations. fig.04-02(SousaPanel) For more on the VR-760's registration, refer to p. 54.

Performing Example: Call up to REGISTRATION 42 1. Hold down the [BANK] button and press the REGISTRATION [4] button. When you press the [BANK] button, the indicator for the button corresponding to the currently selected bank then lights up. If you hold down a [BANK] button and press any of the REGISTRATION buttons, the bank switches to that of the pressed button. Here is an example of setting Bank "4.

"fig.04-03(FingeringToBankAndRegist4) When either the organ basic screen, the piano basic screen, or the synth basic screen is displayed, you can press the [INC] or [DEC] button to switch through the sequence of registrations. 2. If you want to select a preset from the same bank (ex: switching from preset 41 to preset 42), step 1 and 2 is not necessary. Release the [BANK] button and press the REGISTRATION [2] button. The registration number is set. If you want to save settings, refer to "Saving Settings to Registrations" (p. 54). 29 Performing with the Keyboard Changing the Volume Level of Each Part You can change the volume level of Organ, Piano, Synth, and Rhythm parts. fig.

04-04(VolumeKnobs) Adding Reverberation to the Sound The VR-760 can apply a reverb effect. Applying reverb adds pleasing reverberation to what you play, so it sounds almost as if you were playing in a concert hall. You can apply the reverb effect to all parts. fig.04-05(ReverbSection) 1. Press the [REVERB TYPE] button to switch the reverb types. You can select from the following three types. Value ROOM HALL CHURCH Explanation Simulates the reverberation of a room. Simulates the reverb of a large concert hall. Simulates the reverberation of a church.

You can adjust how much of the reverb sound relative to each part is sent (the send level). The smaller this value is, the less audible the effect is when you turn the [REVERB DEPTH] knob. 2. Turn the [DEPTH] knob to adjust the amount of reverb effect to be applied. Rotate fully right: Maximum reverberation.

Rotate fully left: No effect. · Organ's reverb (p. 72) · Piano's reverb (p. 74) · Synth's reverb (p. 75) · Rhythm's reverb (p.

70) 30 Performing with the Keyboard Changing the Overall Tone Quality (MASTER EQ) fig.04-06(EQ) Performing NOTE MASTER EQ settings cannot be stored in the registrations or on CompactFlash cards. The settings are always as they appear on the panel. MASTER EQ is equalization that is applied to all of the parts. You can alter the tonal coloration by adjusting the [LOW], [MIDDLE], and [HIGH] knobs. MIDDLE comprises FREQ and LEVEL settings, which allow you to change the degree of change in the midrange as well as the center frequency of the frequencies being changed. Using the Controller You can use the various controls to add expression to your performances. Bender/Modulation Lever While playing the keyboard, move the lever to the left to lower the pitch, or to the right to raise the pitch. This is known as Pitch Bend. You can also apply vibrato by manipulating the lever away from you.

This is known as Modulation. You can set the range of Pitch Bend (p. 70) fig.04-07(BenderLever) You can also make settings that permit you to change the organ's rotary speed with the bender lever (p. 70). Pitch Bend Modulation * The modulation effect obtained when you move the lever may differ according to the tone being used. Additionally, the effect applied by moving the lever is predetermined for each tone, and cannot be changed. * The modulation effect is not applied to the Organ part. 31 Performing with the Keyboard Aftertouch You can change the sound by pressing the keys with even greater force. The effect applied is predetermined for each tone, and cannot be changed.

You can set the range over which the aftertouch changes (p. 70). Damper Pedal With a damper pedal connected to the DAMPER PEDAL jack on the VR760's rear panel, you can then add reverberation to the sound. Even after you release the keys, the sound continues to linger for as long as the damper pedal is pressed. With an optional DP-8 connected, you can adjust the depth of the reverberation with the pedal.

As an example, when used with acoustic piano tones, this allows you to produce a half damper effect. * With the factory settings, the damper effect is not applied to the organ part. For instructions on assigning the damper effect to the organ part, refer to "Organ Damper SW (ON/OFF)" (p. 65). * You can set the synth part's damper effect on or off (p.

65). You can also use the switch pedal (DP-2/6; sold separately). NOTE Use only the specified halfdamper pedal (DP-8; sold separately). By connecting any other half-damper pedal, you risk causing malfunction and/ or damage to the unit. Expression pedal With a expression pedal connected to the EXP PEDAL jack on the VR-760's rear panel, you can then control the volume level. Advancing the pedal away from yourself will increase the volume, and returning it toward yourself will decrease the volume. * With the factory settings, the expression effect is not applied to the piano part. For instructions on assigning the expression effect to the piano part, refer to "Piano Exp SW (ON/OFF)" (p.



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