



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-SR603E. You'll find the answers to all your questions on the ONKYO TX-SR603E in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ONKYO TX-SR603E
User guide ONKYO TX-SR603E
Operating instructions ONKYO TX-SR603E
Instructions for use ONKYO TX-SR603E
Instruction manual ONKYO TX-SR603E



The screenshot shows the cover of the ONKYO instruction manual. At the top center is the ONKYO logo. Below it, the text reads "AV Receiver" followed by the model numbers "TX-SR603/603E" and "TX-SR8360" in a large, bold font. Underneath is "Instruction Manual". To the right is a "Contents" table of contents. At the bottom left, there is a small paragraph of text: "Thank you for purchasing an Onkyo AV Receiver. Please read this manual thoroughly before making any connections and plugging it in. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new AV Receiver. Please retain this manual for future reference."

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... 89 En **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.**

WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN AVIS 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 appliance. Important Safety Instructions 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 dry cloth. Do not block any ventilation openings. Install in accordance with the manufacturer's 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. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Only use attachments/accessories specified by the manufacturer. Use only with the cart, stand, PORTABLE CART WARNING 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. S3125A Unplug this apparatus during lightning storms or when unused for long periods of time. 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. 15. Damage Requiring Service Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions: A.

When the power-supply cord or plug is damaged, B. If liquid has been spilled, or objects have fallen into the apparatus, C. If the apparatus has been exposed to rain or water, D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation, E. If the apparatus has been dropped or damaged in any way, and F. When the apparatus exhibits a distinct change in performance this indicates a need for service. 16. Object and Liquid Entry Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.

Don't put candles or other burning objects on top of this unit. 17. Batteries Always consider the environmental issues and follow local regulations when disposing of batteries. 18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.

Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape. 9. 10. 11.

12. 13. 14. 2 Precautions For U.S. Models Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. FCC Information for User 1. Recording Copyright--Unless it's for personal use only, recording copyrighted material is illegal without permission of the copyright holder. 2. AC Fuse-- The AC fuse inside the AV receiver is not user-serviceable.

If you cannot turn on the AV receiver, contact your Onkyo dealer. 3. Care--Occasionally you should dust the AV receiver all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the AV receiver immediately afterwards with a clean cloth.

Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering. 4. Power WARNING BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY. AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the AV receiver's rear panel (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz). Setting the [STANDBY/ON] switch to STANDBY does not fully shutdown the AV receiver. If you do not intend to use the AV receiver for an extended period, remove the power cord from the wall outlet. For Worldwide model The Worldwide model has a voltage selector for compatibility with power systems around the world.

Before you plug in this model, make sure that the voltage selector is set to the correct voltage for your area. If it isn't, use a small screwdriver to set it as appropriate. For example, if the voltage in your area is 120 volts, set the selector to "120V." And if it's between 220 and 230 volts, set it to "220-230V." IR IN 12 V TRIGGER OUT ZONE 2 DIGITAL AV RECEIVER MODEL NO.

TX-SR 603 CAUTION: The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.



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This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: . . . Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. For Canadian model NOTE: THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

For models having a power cord with a polarized plug: CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. COAXIAL IN 1 ZONE 2 SPEAKERS SURROUND BACK SPEAKERS SURROUND SPEAKERS FRONT SPEAKERS VOLTAGE SELECTOR COMPONENT VIDEO Y IN 2 IN 3 IN 2 IN 1 OUT ANTENNA AM FM 75 L PB L 120 V OPTICAL IN 1 VIDEO 3 VIDEO 2 VIDEO 1 DVD MONITOR OUT 220-240 V V PR L R R R AC OUTLET SWITCHED 100W MAX. IN 2 S IN OUT OUT IN IN OUT OUT IN IN IN FRONT SURROUND CENTER IN 3 IN OUT ZONE 2 LINEOUT PRE OUT SUB WOOFER IN IN L OUT L R REMOTE CONTROL R SUB WOOFER CD TAPE VIDEO 3 VIDEO 2 VIDEO 1 DVD CENTER SPEAKER Modèle pour les Canadien REMARQUE: CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA. Sur les modèles dont la fiche est polarisée: ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND. 3 Precautions--Continued For British models Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. Supplied Accessories Make sure you have the following accessories: IMPORTANT The wires in the mains lead are coloured in accordance with the following code: 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 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. Remote controller & three batteries (AA/R6) Speaker setup microphone IMPORTANT A 5 or 13 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 or 13 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET. If in any doubt, consult a qualified electrician. Indoor FM antenna AM loop antenna For European Models Declaration of Conformity We, ONKYO EUROPE ELECTRONICS GmbH LIEGNITZERSTRASSE 6, 82194 GROEBENZELL, GERMANY declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3. GROEBENZELL, GERMANY I.

MORI Power-plug adapter Only supplied in certain countries. Use this adapter if your AC outlet does not match with the plug on the AV receiver's power cord (adapter varies from country to country). Surround Back Left Surround Back Left Zone 2 Left Zone 2 Left Surround Back Left Surround Back Left Zone 2 Left Zone 2 Left Surround Back Right Surround Back Right Zone 2 Right Zone 2 Right Surround Back Right Surround Back Right Zone 2 Right Zone 2 Right Front Right Front Right SP-B / Zone 2 Right SP-B / Zone 2 Right Front Left Front Left SP-B / Zone 2 Left SP-B / Zone 2 Left Surround Left Surround Left Surround Right Surround Right Center Center Center Center Front Left Front Left SP-B / Zone 2 Left SP-B / Zone 2 Left Front Right Front Right SP-B / Zone 2 Right SP-B / Zone 2 Right Surround Left Surround Left 1 2 3 Speaker Cable Speaker cable labels * In catalogs and on packaging, the letter at the end of the product name indicates the color. Specifications and operations are the same regardless of color. ONKYO EUROPE ELECTRONICS GmbH This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights

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77 7 Front & Rear Panels Front Panel TX-SR603/603E, TX-SR8360 1 2 3 4 5 6 7 8 9 0 A B C D E F G H MASTER VOLUME TUNING / PRESET
STANDBY/ON ENTER STANDBY ZONE2 OFF ZONE 2 LEVEL TONE + STEREO LISTENING MODE DISPLAY DIGITAL INPUT RT/PTY/TP MEMORY
TUNING MODE RETURN SETUP CLEAR VIDEO 4 INPUT PURE AUDIO MULTI CH DVD VIDEO 1 VIDEO 2 VIDEO 3 VIDEO 4 TAPE TUNER CD
PHONES VCR 1 VCR 2 SETUP MIC S VIDEO VIDEO L AUDIO R DIGITAL I JK L MN J DISPLAY button (55) This button is used to display various
information about the currently selected input source.



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The page numbers in parentheses show where you can find the main explanation for each item. A **STANDBY/ON** button (38) This button is used to set the AV receiver to On or Standby. **B ZONE 2** indicator (76) This indicator lights up when Zone 2 is selected. **K DIGITAL INPUT** button (43, 72) This button is used to assign the digital inputs and to specify the format of digital input signals. **C ZONE 2/OFF** button (76) The **ZONE 2** button is used to select the input source for Zone 2. The **OFF** button is used to turn off the output of Zone 2. **L DIMMER** or **RT/PTY/TP** button (54, 59) **DIMMER** is used to adjust the display brightness. On the European model, this is the **RT/PTY/TP** button, and it's for **RDS** (Radio Data System). See "Using RDS (European models only)" on page 58.

D ZONE 2 LEVEL button (76) This button is used to set the volume for Zone 2. **M MEMORY** button (57) This button is used when storing or deleting radio presets. **E STANDBY** indicator (38) This indicator lights up when the AV receiver is in Standby mode, and it flashes while a signal is being received from the remote controller. **N TUNING MODE** button (56) This button is used to select the Auto or Manual tuning mode. **F Remote-control sensor** (13) This sensor receives control signals from the remote controller.

O RETURN button This button is used to return to the previously displayed onscreen setup menu. **G STEREO** button (60) This button is used to select the Stereo listening mode. **P Arrow/TUNING/PRESET & ENTER** buttons When the AM or FM input source is selected, the **TUNING [] []** buttons are used to tune the tuner, and the **PRESET [] []** buttons are used to select radio presets (see page 57). When the onscreen setup menus are used, they work as arrow buttons and are used to select and set items. The **ENTER** button is also used with the onscreen setup menus.

H LISTENING MODE [] [] buttons (60) These buttons are used to select the listening modes. **I Display** See "Display" on page 10. **8 Front & Rear Panels--Continued** **Q SETUP** button This button is used to access the onscreen setup menus that appear on the connected TV. **R MASTER VOLUME** control (53) This control is used to adjust the volume of the AV receiver to MIN, 1 through 99, or MAX. **S PHONES** jack (54) This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening. **T PURE AUDIO** button & indicator (60) The North American TX-SR603 doesn't have this button and indicator. This button is used to select the Pure Audio listening mode. The indicator lights up when that mode is selected. **U TONE, [] & [+]** buttons (68) These buttons are used to adjust the bass and treble. **V Input selector buttons** (53) These buttons are used to select from the following input sources: **MULTI CH**, **DVD**, **VIDEO 1**, **VIDEO 2**, **VIDEO 3**, **VIDEO 4**, **TAPE**, **TUNER** or **CD**.

The **[MULTI CH]** button selects the DVD analog multichannel input. **W SETUP MIC** (39) The included speaker setup microphone is connected here for automatic speaker setup. **X VIDEO 4 INPUT** This input can be used to connect a camcorder, game console, and so on. There are jacks for optical digital audio, S-Video, composite video, and analog audio. **9 Front & Rear Panels--Continued** **Display 1 2 3 4 5 1** **MUTING** indicator (54) This indicator flashes while the AV receiver is muted. **6 RDS** (European model only): This indicator lights up when the AV Receiver is tuned to a radio station that supports **RDS** (Radio Data System). **MEMORY**: This indicator lights up when presetting radio stations. **FM STEREO**: This indicator lights up when the AV receiver is tuned to a stereo FM station. The page numbers in parentheses show where you can find the main explanation for each item. **2 ZONE 2** indicator (76) This indicator lights up when Zone 2 is selected.

3 Listening mode & format indicators These indicators show the currently selected listening mode and the format of digital input signals. **5 SLEEP** indicator (54) This indicator lights up when the Sleep function has been set. **4 Tuning indicators** (56) **TUNED**: This indicator lights up when the AV receiver is tuned into a radio station. **AUTO**: This indicator lights up when the Auto Tuning mode is selected, and disappears when the Manual Tuning mode is selected. **6 Message area** This area of the display shows various information about the currently selected source.

10 Front & Rear Panels--Continued **Rear Panel TX-SR603/603E, TX-SR8360** **1B CD 56 G H9 J K L IR IN 12 V TRIGGER OUT ZONE 2 DIGITAL COAXIAL IN 1 AV RECEIVER MODEL NO. TX-SR 603E ZONE 2 SPEAKERS SURROUND BACK SPEAKERS SURROUND SPEAKERS FRONT SPEAKERS VOLTAGE SELECTOR 120 V COMPONENT VIDEO Y IN 2 IN 3 IN 2 IN 1 OUT ANTENNA AM FM 75 L PB L 220-240 V OPTICAL IN 1 VIDEO 3 VIDEO 2 VIDEO 1 DVD MONITOR OUT V PR L R R R IN 2 S IN OUT OUT IN IN OUT OUT IN IN FRONT SURROUND CENTER IN 3 IN OUT ZONE 2 LINEOUT PRE OUT SUB WOOFER IN IN L OUT L R REMOTE CONTROL R SUB WOOFER CD TAPE VIDEO 3 VIDEO 2 VIDEO 1 DVD CENTER SPEAKER M NOPQ R S T U V** The page numbers in parentheses show where you can find the main explanation for each item. **A OPTICAL DIGITAL** The optical digital audio inputs can be used to connect CD and DVD players, and other components with an optical digital audio output. The optical output can be used connect a CD recorder or other digital recorder with an optical digital input. **G AM ANTENNA** (24) These push terminals are for connecting an AM antenna.

H FM ANTENNA (24) This jack is for connecting an FM antenna. **I MONITOR OUT** The S-Video or composite video jack should be connected to a video input on your TV or projector. **B COAXIAL DIGITAL** The coaxial digital audio inputs can be used to connect CD and DVD players, and other components with a coaxial digital audio output. **J ZONE 2 SPEAKERS** (74) These terminal posts are for connecting speakers in Zone 2. **C IR IN** (77) If you want to use the remote controller to control the AV receiver from Zone 2, or if the AV receiver is installed in a cabinet and the line of sight between the AV receiver and the remote controller is obstructed, a commercially available IR receiver can be connected here. **K FRONT, CENTER, SURROUND & SURROUND BACK SPEAKERS** (23) These terminal posts are for connecting your front, center, surround, and surround back speakers. See pages 27-37 for connection information. **D 12V TRIGGER OUT ZONE 2** (77) This output can be connected to the 12-volt trigger input on a power amplifier in Zone 2. When Zone 2 is turned on, a 12-volt trigger signal is output. **E COMPONENT VIDEO IN 1, 2, 3** These component video inputs can be used to connect AV components with component video outputs, such as DVD players.

F COMPONENT VIDEO OUT This component video output can be used to connect a TV or projector with a component video input.



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I Front & Rear Panels--Continued **L VOLTAGE SELECTOR (3)** Certain models only. This voltage selector provides compatibility with power systems around the world. **M REMOTE CONTROL** This (Remote Interactive) jack can be connected to a jack on another Onkyo AV component. The AV receiver's remote controller can then be used to control that component. To use, you must make an analog audio connection (RCA) between the AV receiver and the other AV component, even if they are connected digitally. This analog audio input is for connecting a CD player's analog audio output. **N CD IN O TAPE IN/OUT** This analog audio input and output are for connecting a recorder with an analog audio input and output (cassette, Mini Disc, etc.). **P VIDEO 3 IN** Here you can connect a video source (VCR, set-top box, etc).

Q VIDEO 2 IN/OUT Here you can connect a VCR. Input and output jacks include S-Video, composite video, and analog audio. **R VIDEO 1 IN/OUT** Here you can connect a VCR.

Input and output jacks include S-Video, composite video, and analog audio. **S DVD IN** Here you can connect a DVD player. Input jacks include S-Video, composite video, and analog audio. You can connect a DVD player's 2-channel analog audio output or 5.1-channel analog audio output.

T ZONE 2 LINE OUT (74) This analog audio output can be connected to a line input on an integrated amplifier in Zone 2. **U PRE OUT (22)** The **SUBWOOFER** jack is for connecting a powered subwoofer. **V AC OUTLET** This switched AC outlet can be used to supply power to other AV components. The type of outlet depends on the country in which you purchased your AV receiver. See pages 27-37 for connection information. **12 Remote Controller Installing the Batteries Using the Remote Controller** To use the remote controller, point it at the AV receiver's remote control sensor, as shown below. **Remote control sensor AV receiver 1** To open the battery compartment, press the small hollow and slide off the cover. **2** Insert the three supplied batteries (AA/R6) in accordance with the polarity diagram inside the battery compartment. **3** Put the cover onto the remote controller and slide it shut. **Notes:** · The batteries should last for about six months, although this will vary with usage.

· If the remote controller doesn't work reliably, try replacing the batteries. · Don't mix new and old batteries or different types of batteries. · If you intend not to use the remote controller for a long time, remove the batteries to prevent damage from leakage or corrosion. · Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion. **Notes:** · The remote controller may not work reliably if the AV receiver is subjected to bright light, such as direct sunlight or inverter-type fluorescent lights. Keep this in mind when installing. · If another remote controller of the same type is used in the same room, or the AV receiver is installed close to equipment that uses infrared rays, the remote controller may not work reliably. · Don't put anything, such as a book, on the remote controller, because the buttons may be pressed inadvertently, thereby draining the batteries. · The remote controller may not work reliably if the AV receiver is installed in a rack behind colored glass doors. Keep this in mind when installing.

· The remote controller will not work if there's an obstacle between it and the AV receiver's remote control sensor. **A (5 ppr m ox.) 1 30° 6 ft.** **13 Remote Controller--Continued** In addition to controlling the AV receiver, the remote controller has several operating modes for controlling your other AV components, including Onkyo components connected via. Modes are selected by using the remote controller's **REMOTE MODE** buttons.

For detailed information, see the pages in parentheses. Some of the functions described in this manual may not work as expected with other components. **Receiver Mode** Receiver mode is used to control the AV receiver. To select Receiver mode, press the **[RECEIVER] REMOTE MODE** button. **RC-591M Remote indicator** This indicator lights up when the remote controller is transmitting commands.

A B 3 4 N 5 6 7 8 9 J RECEIVER O P Q R K L M No "PURE A" on RC-590M **S 14 Remote Controller--Continued** **A STANDBY** button (38) This button is used to set the AV receiver to Standby. **B ON** button (38) This button is used to turn on the AV receiver. **C INPUT SELECTOR** buttons (53) These buttons are used to select the input source. **M L NIGHT** button (64) This button is used to set the Late Night function. **N MACRO** buttons (87) These buttons are used with the Macro function. **O SLEEP** button (54) This button is used to set the Sleep function. **D MULTI CH** button (65) This button is used to select the DVD analog multichannel input. **P VOL** button (53) This button is used to adjust the volume of the AV receiver. **E REMOTE MODE** buttons These buttons are used to select the remote controller modes. **Q SETUP** button This button is used to access the onscreen setup menus that appear on the connected TV.

F DIMMER button (54) This button is used to adjust the display brightness. **R MUTING** button (54) This button is used to mute the AV receiver. **G Arrow []/[]/[] & ENTER** buttons These buttons are used to select items on the onscreen setup menus. **CH +/-** button (57) This button is used to select radio presets. **RETURN** button This button is used to return to the previously displayed onscreen setup menu. **DISPLAY** button (55, 57) This button is used to display various information about the currently selected input source. **Listening mode buttons (60)** **SURR** button This button is used to select the Dolby Digital, Pro Logic IIx, Neo:6, DTS and other listening modes. **ALL ST** button This button is used to select the All Ch Stereo listening mode. **STEREO** button This button is used to select the Stereo listening mode. **PURE A** button (RC-591M only) This button is used to select the Pure Audio listening mode.

DIRECT button This button is used to select the Direct listening mode. **[DSP] & [DSP]** buttons These buttons are used to select the Onkyo original DSP (digital signal processor) listening modes and Mono listening mode. **S CINE FLTR** button (64) This button is used to set the CinemaFILTER function. **H I J K L TEST TONE, CH SEL, LEVEL-, & LEVEL+** buttons (50) These buttons are used to adjust the level of each speaker individually. The **[LEVEL]** & **[LEVEL+]** buttons are also used to adjust the volume in Zone 2.

15 Remote Controller--Continued **DVD Mode** DVD mode is used to control an Onkyo DVD player connected to the AV receiver via. To set the remote controller to DVD mode, press the **[DVD] REMOTE MODE** button. **A STANDBY** button This button is used to set the DVD player to Standby.



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I A B B ON button **23 Q8 DVD CD** This button is used to turn on the DVD player and to set it to Standby. **C Number buttons** These buttons are used to enter title, chapter, and track numbers, and to enter times for locating specific points in time.

D TOP MENU button This button is used to select a DVD's top menu. **E Arrow []/[]/[]** & **ENTER buttons 4 5 36 7 48 59 J K L 6M N 70 P R** These buttons are used to navigate DVD menus and the DVD player's onscreen setup menus. **F DISC +/- button** This button selects discs on a DVD changer. **S9 T U0**

G RETURN/EXIT button This button is used to exit the DVD player's onscreen setup menu. **H DISPLAY button** This button is used to display information about the current disc, title, chapter, or track on the DVD player's display, including the elapsed time, remaining time, total time, and so on. **VA W X Y ZB I** **Playback buttons** From left to right: Previous, Play, Next, Fast Reverse, Pause, Stop, and Fast Forward. **J Step & Slow []/[] buttons** These buttons are used for frame-by-frame playback and slow-motion playback. This button is used to select foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS).

K AUDIO button **L SUBTITLE button** This button is used to select subtitles. Numbers in circles are for DVD mode. Numbers in squares are for CD mode. **M REPEAT button** This button is used to set the repeat playback functions. **16 Remote Controller--Continued N A-B button** This button is used to set the AB repeat playback function. **CD Mode** CD mode is used to control an Onkyo CD player connected to the AV receiver via . To set the remote controller to CD mode, press the [CD] **REMOTE MODE button**. **O OPEN/CLOSE [] button** This button is used to open and close the disc tray. **P VIDEO OFF button** This button is used to turn off the internal video circuitry, eliminating any possibility of interference. **1 ON button** This button is used to set the CD player to On or Standby.

Q CLEAR button This button is used to cancel functions and to clear entered numbers. **2 Number buttons** These buttons are used to enter track numbers and to enter times for locating specific points in time. **R MENU button** This button is used to display a DVD's menu. **3 DISC button** This button is used to select discs on a CD changer. **S VOL button** This button is used to adjust the volume of the AV receiver.

4 DISPLAY button This button is used to display information about the current disc or track on the CD player's display, including the elapsed time, remaining time, total time, and so on. **T SETUP/GUIDE button** This button is used to access the DVD player's onscreen setup menus. **U MUTING button** This button is used to mute the AV receiver. **5 Playback buttons** From left to right: Previous, Play, Next, Fast Reverse, Pause, Stop, and Fast Forward. **V RANDOM button** This button is used with the random playback function.

6 REPEAT button This button is used to set the repeat playback functions. **W ANGLE button** This button is used to select camera angles. **7 OPEN/CLOSE [] button** This button is used to open and close the disc tray. **X LAST M button** This button is used with the last memory function, which allows you to resume DVD playback from where you left off. **8 CLEAR button** This button is used to cancel functions and to clear entered numbers. **Y SEARCH button** This button is used to search for titles, chapters, tracks, and specific points in time. **9 VOL button** This button is used to adjust the volume of the AV receiver. **Z MEMORY button** This button is used with the memory playback function, which allows you to create a custom playlist of titles, chapters, or tracks. **0 MUTING button** This button is used to mute the AV receiver. **A RANDOM button** This button is used with the random playback function.

B MEMORY button This button is used with the memory playback function, which allows you to create a custom playlist of tracks. **17 Remote Controller--Continued MD/CDR Mode** MD/CDR mode is used to control an Onkyo MiniDisc recorder or CD recorder connected to the AV receiver via . To select MD/CDR mode, press the [MD/CDR] **REMOTE MODE button**. By default, this button is set to control a MiniDisc recorder. To control a CD recorder, it must be set to CDR (see page 78). **A ON button** This button is used to set the MD recorder or CD recorder to On or Standby. **1 2 J TAPE MD/CDR B** **Number buttons** These buttons are used to enter track numbers and to enter times for locating specific points in time. **C DISPLAY button** This button is used to display information about the current disc or track on the MD recorder or CD recorder's display, including the elapsed time, remaining time, total time, and so on. **D Play [] button** This button is used to start playback. **K5 3 14 25 36 47 L6 M7 N8 O P E** **Previous & Next []/[] buttons** The Previous [] button is used to select the previous track.

During playback it selects the beginning of the current track. The Next [] button is used to select the next track. **F Pause [] button** This button is used to pause playback. **G REC [] button** This button is used to start recording. **H REPEAT button** This button is used to set the repeat playback functions. **8 9 I OPEN/CLOSE [] button** This button is used to eject a MiniDisc or to open and close the CD recorder's disc tray. **J CLEAR button** This button is used to cancel functions and to clear entered numbers. **K VOL button** Numbers in circles are for MD/CDR mode. Numbers in squares are for TAPE mode. This button is used to adjust the volume of the AV receiver.

L MUTING button This button is used to mute the AV receiver. **18 Remote Controller--Continued M FR & FF []/[] buttons** The FR [] button is used to start fast reverse. The FF [] button is used to start fast forward. This button is used to stop playback. **N Stop [] button** **O RANDOM button** This button is used with the random playback function. **P MEMORY button** This button is used with the memory playback function, which allows you to create a custom playlist of tracks. **TAPE Mode** TAPE mode is used to control an Onkyo cassette recorder connected to the AV receiver via . To set the remote controller to TAPE mode, press the [TAPE] **REMOTE MODE button**. For double cassette decks, only Deck B can be controlled. **1 Play [] button** This button is used to start playback.

2 Previous & Next []/[] buttons The Previous [] button is used to select the previous track. During playback it selects the beginning of the current track. The Next [] button is used to select the next track. The Previous and Next []/[] buttons may not work properly with some cassette tapes depending on how they were recorded. **3 Reverse Play [] button** This button is used to start reverse playback. **4 REC [] button** This button is used to start recording. **5 VOL button** This button is used to adjust the volume of the AV receiver.



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6 **MUTING** button This button is used to mute the AV receiver. 7 **Rewind & FF []/[]** buttons The **Rewind []** button is used to start rewind. The **FF []** button is used to start fast forward.

8 **Stop []** button This button is used to stop playback. 19 **About Home Theater Enjoying Home Theater** Thanks to the AV receiver's superb capabilities, you can enjoy surround sound with a real sense of movement in your own home--just like being in a movie theater or concert hall. With DVDs you can enjoy **DTS** and **Dolby Digital**. With analog and digital TV you can enjoy **Dolby Pro Logic IIx** or **Onkyo's** own **DSP** surround listening modes. **Front left and right speakers** These output the overall sound.

Their role in a home theater is to provide a solid anchor for the sound image. They should be positioned facing the listener at about ear level, and equidistant from the TV. Angle them inward so as to create a triangle, with the listener at the apex. **Center speaker** This speaker enhances the front left and right speakers, making sound movements distinct and providing a full sound image. In movies it's used mainly for dialog.

Position it close to your TV (preferably on top) facing forward at about ear level, or at the same height as the front left and right speakers. **Surround left and right speakers** These speakers are used for precise sound positioning and to add realistic ambience. Position them at the sides of the listener, or slightly behind, about 23 feet (60100 cm) above ear level. Ideally they should be equidistant from the listener. **Subwoofer** The subwoofer handles the bass sounds of the **LFE (Low-Frequency Effects)** channel. The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the width of the wall, as shown. **Tip:** To find the best position for your subwoofer, while playing a movie or some music with good bass, experiment by placing your subwoofer at various positions within the room, and choose the one that provides the most satisfying results. **Surround back left and right speakers** These speakers are necessary to enjoy **Dolby Digital EX**, **DTS-ES Matrix**, and **DTS-ES Discrete**. They enhance the realism of surround sound and improve sound localization behind the listener.

Position them behind the listener about 23 feet (60100 cm) above ear level. 20 **Connecting the AV Receiver About AV Connections** · Before making any AV connections, read the manuals supplied with your other AV components. · Don't connect the power cord until you've completed and double-checked all AV connections. **AV Connection Color Coding** RCA-type AV connections are usually color-coded: red, white, and yellow. Use red plugs to connect rightchannel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs. **Left (white) Right (red) Composite video (Yellow) Analog audio Left (white) Right (red) (Yellow) Right!** **Optical Digital Jacks** The AV receiver's optical digital jacks have shutter-type covers that open when an optical plug is inserted and close when it's removed. Push plugs in all the way. **Caution:** To prevent shutter damage, hold the optical plug straight when inserting and removing.

· Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions). · To prevent interference, keep audio and video cables away from power cords and speaker cables. **Wrong! AV Cables & Jacks Video Cable Y Jack Description** Component video cable **PB PR** Component video separates the luminance (Y) and color difference signals (PR, PB), providing the best picture quality (some TV manufacturers label their component video sockets slightly differently). **S S-Video cable** S-Video separates the luminance and color signals and provides better picture quality than composite video. Composite video is commonly used on TVs, VCRs, and other video equipment.

Use only dedicated composite video cables. **Composite video cable V Audio Cable Optical digital audio cable Jack OPTICAL Description** Offers the best sound quality and allows you to enjoy surround sound (e.g., **Dolby Digital**, **DTS**). The audio quality is the same as for coaxial.

Offers the best sound quality and allows you to enjoy surround sound (e.g., **Dolby Digital**, **DTS**). The audio quality is the same as for optical. This cable carries analog audio. It's the most common connection format for analog audio, and can be found on virtually all AV components. This cable carries multichannel analog audio and it's typically used to connect DVD players with a 5.1-channel analog audio output. Several standard analog audio cables can be used instead of a multichannel cable. **Coaxial digital audio cable COAXIAL Analog audio cable (RCA) L R Multichannel analog audio cable (RCA) Note:** The AV receiver does not support **SCART** plugs.

21 **Connecting the AV Receiver--Continued Connecting Your Speakers Speaker Configuration** For the best surround sound experience, you should connect seven speakers and a powered subwoofer. The following table indicates the channels you should use depending on the number of speakers that you have. **Number of speakers:** Front left Front right Center Surround left Surround right Surround back Surround back left* Surround back right* 2 3 4 5 6 7 **LINE INPUT PRE OUT SUB WOOFER LINE INPUT** Connecting a Powered Subwoofer Using a suitable cable, connect the AV receiver's **SUBWOOFER PRE OUT** to an input on your powered subwoofer, as shown. If your subwoofer is unpowered and you're using an external amplifier, connect the **SUBWOOFER PRE OUT** to an input on the amp. **IR IN 12 V TRIGGER OUT ZONE 2 AV RECEIVER MODEL NO. TX-SR 603E Powered subwoofer DIGITAL COAXIAL IN 1 ZONE 2 SPEAKERS SURROUND BACK SPEAKERS COMPONENT VIDEO Y IN 2 IN 3 IN 2 IN 1 OUT ANTENNA AM FM 75 L PB OPTICAL IN 1 VIDEO 3 VIDEO 2 VIDEO 1 DVD MONITOR OUT V PR L R IN 2 S IN OUT OUT IN IN OUT OUT IN IN IN FRONT SURROUND CENTER IN 3 IN OUT ZONE 2 LINEOUT PRE OUT SUB WOOFER IN IN L OUT L R REMOTE CONTROL R SUB WOOFER CD TAPE VIDEO 3 VIDEO 2 VIDEO 1 DVD** *If you're using only one surround back speaker, connect it to the left (L) **SURROUND BACK SPEAKERS** terminals. No matter how many speakers you use, a powered subwoofer is recommended for a really powerful and solid bass. To get the best from your surround sound system, you need to set the speaker settings by using the supplied setup microphone (see page 39).



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Attaching the Speaker Labels The AV receiver's positive (+) speaker terminals are color-coded for ease of identification (the negative (-) speaker terminals are all black). Speaker terminal Front left, Zone 2 left Front right, Zone 2 right Center Surround left Surround right Surround back left Surround back right Color White Red Green Blue Gray Brown Tan Using Dipole Speakers You can use dipole speakers for the surround left and right and surround back left and right speakers.

Dipole speakers output the same sound in two directions. Dipole speakers typically have an arrow printed on them to indicate how they should be positioned.

The surround left and right dipole speakers should be positioned so that their arrows point toward the TV/screen, while the surround back left and right dipole speakers should be positioned so that their arrows point toward each other, as shown. Dipole speakers TV/screen The supplied speaker labels are also color-coded and you should attach them to the positive (+) side of each speaker cable in accordance with the above table. Then all you need to do is to match the color of each label to the corresponding speaker terminal.

Normal speakers 1 TV/screen 1 4 2 3 4 2 3 5 6 5 6 7 8 7 8 1. Subwoofer 2. Front left speaker 3. Center speaker 4. Front right speaker 5.

Surround left speaker 6. Surround right speaker 7. Surround back left speaker 8. Surround back right speaker 22 Connecting the AV Receiver--Continued

Speaker Connection Precautions Read the following before connecting your speakers: · North American model only: Only connect speakers with an impedance of 6 ohms or higher. If you use speakers with a lower impedance, and use the amplifier at high volume levels for a long period of time, the built-in protection circuit may be activated. · Other models: You can connect speakers with an impedance of between 4 and 16 ohms. If the impedance of any of the connected speakers is 4 ohms or more, but less than 6 ohms, be sure to set the Minimum Speaker Impedance to "4 ohms" (see page 44). If you use speakers with a lower impedance, and use the amplifier at high volume levels for a long period of time, the built-in protection circuit may be activated. · Disconnect the power cord from the wall outlet before making any connections. · Read the instructions supplied with your speakers.

· Pay close attention to speaker wiring polarity. In other words, connect positive (+) terminals only to positive (+) terminals, and negative (-) terminals only to negative (-) terminals. If you get them the wrong way around, the sound will be out of phase and will sound unnatural. · Unnecessarily long, or very thin speaker cables may affect the sound quality and should be avoided. · If you use 4 or 5 speakers, connect each of the two surround speakers to the SURROUND SPEAKERS terminals. Do not connect them to the SURROUND BACK SPEAKERS terminals. · Be careful not to short the positive and negative wires. Doing so may damage the AV receiver. · Make sure the metal core of the wire does not have contact with the TX-SR603/603E/8360's rear panel. Doing so may damage the AV receiver.

· Don't connect more than one cable to each speaker terminal. Doing so may damage the AV receiver. · Don't connect one speaker to several terminals. Connecting the Speaker Cables 1 Strip about 5/8" (15 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown.

Unscrew the terminal.

5/8" (15 mm) 2 3 Fully insert the bare wires. 4 Screw the terminal tight. The following illustration shows which speaker should be connected to each pair of terminals. If you're using only one surround back speaker, connect it to the left (L) SURROUND BACK SPEAKERS terminals. Surround Surround back left back right speaker speaker Surround left speaker Surround right speaker SURROUND BACK SPEAKERS SURROUND SPEAKERS FRONT SPEAKERS L L R R CENTER SPEAKER Center speaker Front left speaker Front right speaker 23 Connecting the AV Receiver--Continued Connecting Antenna This section explains how to connect the supplied indoor FM antenna and AM loop antenna, and how to connect commercially available outdoor FM and AM antennas.

The AV receiver won't pick up any radio signals without any antenna connected, so you must connect the antenna to use the tuner. AM antenna push terminals

FM antenna connector IR IN 12 V TRIGGER OUT ZONE 2 DIGITAL COAXIAL IN 1 If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead (see page 25). Connecting the AM Loop Antenna The supplied indoor AM loop antenna is for indoor use only. 1 Assemble the AM loop antenna, inserting the tabs into the base, as shown. AV RECEIVER MODEL NO. TX-SR 603E ZONE 2

SPEAKERS SURROUND BACK SPEAKERS SURROUND SPEAKERS FRONT SPEAKERS COMPONENT VIDEO Y IN 2 IN 3 IN 2 IN 1 OUT ANTENNA AM FM 75 L PB L OPTICAL IN 1 VIDEO 3 VIDEO 2 VIDEO 1 DVD MONITOR OUT V PR L R R IN 2 S IN OUT OUT IN IN OUT OUT IN IN IN FRONT SURROUND CENTER IN 3 IN OUT ZONE 2 LINEOUT PRE OUT SUB WOOFER IN IN L OUT L R REMOTE CONTROL R SUB WOOFER CD TAPE VIDEO 3 VIDEO 2 VIDEO 1 DVD CENTER SPEAKER Connecting the Indoor FM Antenna The supplied indoor FM antenna is for indoor use only. 2 1

Attach the FM antenna, as shown. 1 North American Model Connect both wires of the AM loop antenna to the AM push terminals, as shown. (The antenna's wires are not polarity sensitive, so they can be connected either way around). Make sure that the wires are attached securely and that the push terminals are gripping the bare wires, not the insulation.

Insert the plug fully into the jack. 1 Other Models Push Insert wire Release Insert the plug fully into the jack. Once your AV receiver is ready for use, you'll need to tune into an FM radio station and adjust the position of the FM antenna to achieve the best possible reception. 2 Use thumbtacks or something similar to fix the FM antenna into position. Once your AV receiver is ready for use, you'll need to tune into an AM radio station and adjust the position of the AM antenna to achieve the best possible reception. Keep the antenna as far away as possible from your AV receiver, TV, speaker cables, and power cords. If you cannot achieve good reception with the supplied indoor AM loop antenna, try using it with a commercially available outdoor AM antenna (see page 25).

Thumbtacks, etc. Caution: Be careful that you don't injure yourself when using thumbtacks. 24 Connecting the AV Receiver--Continued Connecting an Outdoor FM Antenna If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead.



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Connecting an Outdoor AM Antenna If good reception cannot be achieved using the supplied AM loop antenna, an outdoor AM antenna can be used in addition to the loop antenna, as shown. Outdoor antenna Insulated antenna cable AM loop antenna Notes: · Outdoor FM antennas work best outside, but usable results can sometimes be obtained when installed in an attic or loft. · For best results, install the outdoor FM antenna well away from tall buildings, preferably with a clear line of sight to your local FM transmitter. · Outdoor antenna should be located away from possible noise sources, such as neon signs, busy roads, etc. · For safety reasons, outdoor antenna should be situated well away from power lines and other high-voltage equipment. · Outdoor antenna must be grounded in accordance with local regulations to prevent electrical shock hazards. I Using a TV/FM Antenna Splitter It's best not to use the same antenna for both FM and TV reception, as this can cause interference problems. If circumstances demand it, use a TV/FM antenna splitter, as shown. Outdoor AM antennas work best when installed outside horizontally, but good results can sometimes be obtained indoors by mounting horizontally above a window. Note that the AM loop antenna should be left connected.

Outdoor antenna must be grounded in accordance with local regulations to prevent electrical shock hazards. TV/FM antenna splitter To AV receiver To TV (or VCR) 25 Connecting the AV Receiver--Continued Connecting Both Audio & Video By connecting both the audio and video outputs of your DVD player and other AV components to the AV receiver, you can select both the audio and video simultaneously simply by selecting the appropriate input source on the AV receiver. : Signal Flow Video Audio Video Audio TV, projector, etc. DVD player, etc. Speakers (see page 23 for connection information) Which Connections Should I Use? The AV receiver supports several connection formats for compatibility with a wide range of AV equipment. The format you choose will depend on the formats supported by your other components. Use the following sections as a guide. For video components, you must make two connections--one for audio, one for video. Video Connection Formats Video equipment can be connected to the AV receiver by using any one of the following video connection formats: composite video, S-Video, or component video, the latter offering the best picture quality. A video signal connected to a V or S IN jack will be converted--composite video to S-Video or S-Video to composite video--but only for the MONITOR OUT jacks, not the VIDEO 1 and VIDEO 2 OUT V and S jacks.

Note: The TX-SR603/603E/8360 can be set to upconvert composite video and S-Video input signals and output them from the COMPONENT VIDEO OUT (see page 44). DVD player, etc. Output IN AV Receiver page 44 Composite S-Video Component Audio Connection Formats Audio equipment can be connected to the AV receiver by using any of the following audio connection formats: analog, optical, coaxial, or multichannel. When choosing a connection format, bear in mind that the AV receiver doesn't convert between them. For example, audio signals connected to an OPTICAL or COAXIAL input are not output by the analog TAPE OUT. DVD player, etc. Output IN Optical Coaxial Analog Optical Coaxial Analog Multichannel AV Receiver OUT Input MD recorder, etc. Optical Analog Optical Analog Multichannel Composite S-Video Component Only front left and right MONITOR OUT Composite S-Video Component Input TV, projector, etc. Composite S-Video Component 26 Connecting the AV Receiver--Continued Connecting Your TV or Projector Monitor Out I Using Composite Video Use a composite video cable to connect the AV receiver's V MONITOR OUT jack to a composite video input on your TV, as shown. Audio Connections These connections will allow you to listen to audio from your TV via the AV receiver.

If your TV doesn't have an audio output, connect the AV receiver to your VCR and use its tuner (see page 30). I Using Coaxial or Optical Connections If you connect to a digital audio input, you'll need to assign it (see page 43). · Use an optical digital audio cable to connect one of the AV receiver's OPTICAL DIGITAL IN jacks to an optical output on your TV, as shown. OR · Use a coaxial digital audio cable to connect one of the AV receiver's COAXIAL DIGITAL IN jacks to a coaxial output on your TV, as shown. TV, projector, etc.

I Using S-Video Use an S-Video cable to connect the AV receiver's S MONITOR OUT jack to an S-Video input on your TV, as shown. MONITOR OUT COAXIAL IN 2 OPTICAL IN Connect one or the other TV, projector, etc. DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL S TV, projector, etc. S VIDEO IN I Using Component Video Use a component video cable to connect the AV receiver's COMPONENT VIDEO OUT jacks to a component video input on your TV, as shown. COMPONENT VIDEO I Using Analog Connections If your TV doesn't have a digital audio output, or you want to record from it, you'll need to make the following analog audio connection.

Use an analog audio cable to connect the AV receiver's VIDEO 3 IN L/R jacks to an analog audio output on your TV, as shown. Y PB PR IN VIDEO 3 TV, projector, etc. Y PB PR AUDIO OUTPUT TV, projector, etc. L R COMPONENT VIDEO IN 27 Connecting the AV Receiver--Continued Connecting a DVD Player Video Connections You only need to use one of the following connection methods. I Using Composite Video Use a composite video cable to connect the AV receiver's V DVD IN jack to the composite video output on your DVD player, as shown. DVD Audio Connections I Using Coaxial or Optical Connections · Use a coaxial digital audio cable to connect one of the AV receiver's COAXIAL DIGITAL IN jacks to the coaxial output on your DVD player, as shown. OR · Use an optical digital audio cable to connect one of the AV receiver's OPTICAL DIGITAL IN jacks to the optical output on your DVD player, as shown. DIGITAL IN COAXIAL IN 1 OPTICAL IN Connect one or the other VIDEO OUT DVD player DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL I Using S-Video Use an S-Video cable to connect the AV receiver's S DVD IN jack to the S-Video output on your DVD player, as shown. DVD DVD player IN Initially, the COAXIAL IN 1 jack is assigned to the DVD input source. If you connect your DVD player to a different digital input, you'll need to reassign the DVD input source (see page 43).

I Using Analog Connections Even if your DVD player is connected digitally (optical or coaxial), to use , or to record audio from your DVD player, you'll need to make an analog connection as well. Use an analog audio cable to connect the AV receiver's DVD IN L/R jacks to the analog audio output on your DVD player, as shown.



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If your DVD player has stereo (L/R) and multichannel outputs, be sure to use the left and right outputs. FRONT L S VIDEO OUT DVD player I Using Component Video Use a component video cable to connect the AV receiver's COMPONENT VIDEO IN1 jacks to the component video output on your DVD player, as shown. · Your TV must also be connected via component video. COMPONENT VIDEO IN 1 Y R DVD PB PR COMPONENT VIDEO OUT Y PB PR R L DVD player DVD player AUDIO OUTPUT 28 Connecting the AV Receiver--Continued I Using a Multichannel Connection If your DVD player supports multichannel audio formats such as DVD-Audio, and it has a 5.1-channel analog audio output, you can enjoy DVD-Audio playback. Use a multichannel analog audio cable to connect the AV receiver's DVD IN FRONT L/R, CENTER, SURROUND L/R, and SUBWOOFER jacks to the 5.1channel analog audio output on your DVD player, as shown. Alternatively, use several analog audio cables.

DVD player 29 Connecting the AV Receiver--Continued Connecting a VCR for Playback This section shows how to connect a VCR for playback so that you can watch videos via the AV receiver. Connecting an HDD/DVD recorder for Playback Video Connections With the initial settings of the TX-SR603/603E/8360, the VIDEO 1 input source is set for the COMPONENT VIDEO IN 2 jacks. If you connect the device to the COMPONENT VIDEO IN 3 jacks, see page 44. Use a component video cable to connect the AV receiver's COMPONENT VIDEO IN2 or 3 jacks to a component video output on your HDD/DVD recorder, as shown. Your TV must also be connected via component video.

COMPONENT VIDEO IN Y Video Connections · Use an S-Video cable to connect the AV receiver's S VIDEO 1 IN jack to a S-Video output on your VCR, as shown. OR · Use a composite video cable to connect the AV receiver's V VIDEO 1 IN jack to a composite video output on your VCR, as shown. An S-Video connection provides better picture quality than a composite video connection. Audio Connections · Use an analog audio cable to connect the AV receiver's VIDEO 1 IN L/R jacks to an analog audio output on your VCR, as shown. VIDEO 1 IN PB PR COMPONENT VIDEO OUT Y PB PR IN HDD/DVD recorder L Audio Connections R Connect one or the other R VIDEO OUT S VIDEO OUT L AUDIO OUTPUT If you connect to a digital audio input, you'll need to assign it (see page 43).

· Use an optical digital audio cable to connect one of the AV receiver's OPTICAL DIGITAL IN jacks to an optical output on your HDD/DVD recorder, as shown. OR · Use a coaxial digital audio cable to connect one of the AV receiver's COAXIAL DIGITAL IN jacks to a coaxial output on your HDD/DVD recorder, as shown. VCR OPTICAL IN DIGITAL COAXIAL IN 2 Connect one or the other DIGITAL OUT OPTICAL DIGITAL OUT COAXIAL HDD/DVD recorder 30 Connecting the AV Receiver--Continued Connecting a VCR for Recording This section explains how to connect a VCR for recording from a TV or another VCR. S-Video input, the recording VCR must be connected to an S-Video output. VCR (recording) Video Connections · Use an S-Video cable to connect the AV receiver's S VIDEO 1 OUT jack to an S-Video input on the recording VCR. Use another S-Video cable to connect the AV receiver's S VIDEO 3 IN jack to an S-Video output on your TV or playback VCR, as shown. OR · Use a composite video cable to connect the AV receiver's V VIDEO 1 OUT jack to a composite video input on the recording VCR. Use another composite video cable to connect the AV receiver's V VIDEO 3 IN jack to a composite video output on your TV or playback VCR, as shown. R AUDIO INPUT L R L AUDIO OUTPUT S VIDEO IN VIDEO IN VIDEO OUT S VIDEO OUT Connect one or the other Audio Connections · Use an analog audio cable to connect the AV receiver's VIDEO 1 OUT L/R jacks to an audio input on the recording VCR. · Use an analog audio cable to connect the AV receiver's VIDEO 3 IN L/R jacks to an audio output on your TV or playback VCR.

VIDEO 1 OUT OUT IN IN Playback from the Recording VCR To play back a video in the recording VCR via the AV receiver: · Use an S-Video cable to connect the AV receiver's S VIDEO 1 IN jack to an S-Video output on the recording VCR. OR · Use a composite video cable to connect the AV receiver's V VIDEO 1 IN jack to a composite video output on the recording VCR. And use an analog audio cable to connect the AV receiver's VIDEO 1 IN L/R jacks to an audio output on the recording VCR. Notes: · The AV receiver must be turned on for recording. Recording is not possible while it's in Standby mode. · If you want to record directly from your TV or playback VCR to the recording VCR without going through the AV receiver, connect the TV/VCR's audio and video outputs directly to the recording VCR's audio and video inputs. See the manuals supplied with your TV and VCR for details. · Video signals connected to composite video inputs can only be recorded via composite video outputs. If your TV/VCR is connected to a composite video input, the recording VCR must be connected to a composite video output. Similarly, video signals connected to S-Video inputs can only be recorded via S-Video outputs.

If your TV/VCR is connected to an VIDEO 3 IN IN L R Connect one or the other R S VIDEO OUT AUDIO OUTPUT L VIDEO OUT : For recording : For playback TV or VCR, etc. 31 Connecting the AV Receiver--Continued Connecting Other Video Sources-- Satellite, Cable, Set-top box, LD Player, etc. Video Connections You only need to use one of the following connection methods. I Using Composite Video Use a composite video cable to connect the AV receiver's V VIDEO 3 IN jack to a composite video output on your video source, as shown. I Using Component Video If you connect to a component video input, you must assign it (see page 44).

Use a component video cable to connect the AV receiver's COMPONENT VIDEO IN 2 or IN 3 jack to a component video output on your video source, as shown. COMPONENT VIDEO IN Y PB PR COMPONENT VIDEO OUT VIDEO 3 Y IN PB PR Satellite, cable, set-top box, LD player, etc. Audio Connections I Using Optical or Coaxial Connections If you connect to a digital audio input, you'll need to assign it (see page 43). · Use an optical digital audio cable to connect one of the AV receiver's OPTICAL DIGITAL IN jacks to an optical output on your video source, as shown. OR · Use a coaxial digital audio cable to connect one of the AV receiver's COAXIAL DIGITAL IN jacks to a coaxial output on your video source, as shown.

VIDEO OUT Satellite, cable, set-top box, LD player, etc. I Using S-Video Use an S-Video cable to connect the AV receiver's S VIDEO 3 IN jack to an S-Video output on your video source, as shown.



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