



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-SR876. You'll find the answers to all your questions on the ONKYO TX-SR876 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-SR876**  
**User guide ONKYO TX-SR876**  
**Operating instructions ONKYO TX-SR876**  
**Instructions for use ONKYO TX-SR876**  
**Instruction manual ONKYO TX-SR876**

**ONKYO®**

**AV Receiver**

***TX-SR876***  
***TX-NR906***

**Instruction Manual**

Thank you for purchasing an Onkyo AV Receiver. Please read this manual thoroughly before making connections and plugging in the unit. 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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**Manual abstract:**

*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 fluelike gap for warm air to escape. 9. 10. 11. 12. 13. 14. 2 Precautions 1. Recording Copyright--Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder. 2.

AC Fuse--The AC fuse inside the unit is not userserviceable. If you cannot turn on the unit, contact your Onkyo dealer. 3. Care--Occasionally you should dust the unit 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 unit 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 unit's rear panel (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz). The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times. For U.S. models FCC Information for User 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.

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 North American model Pressing the [ON/STANDBY] button to select Standby mode does not fully shutdown the unit. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet. Preventing Hearing Loss Caution Excessive sound pressure from earphones and headphones can cause hearing loss. Batteries and Heat Exposure Warning Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like.

Never Touch this Unit with Wet Hands--Never handle this unit or its power cord while your hands are wet or damp.



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\*7 HDMI, the HDMI logo and High Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC. Connections 4 Inputs and 2 Outputs · Onkyo for System Control · 6 Digital Inputs (3 Optical / 3 Coaxial), 1 Output (Optical) · 5 S-Video Inputs / 2 Outputs · Component Video Switching (3 Inputs/1 Output) · Banana Plug-Compatible Speaker Posts\*8 · Powered Zone 2 and Zone 2 and Zone 3 Pre Out · IR Input/Output and 12 V Trigger · RS232 Port for Interface Control · Bi-Amping and BTL Capability HDMI\*7 Miscellaneous · SIRIUS Ready\*9 / XM Ready\*10 with XMHD Surround (North American models only) · HD Radio\*11 reception (North American models only) · 40 SIRIUS/XM/AM/FM Presets (North American models) · 40 AM/FM Presets (European and Asian models) 6 Features--Continued \*8 In Europe, using banana plugs to connect speakers to an audio amplifier is prohibited. \*9 ©2005 SIRIUS Satellite Radio Inc. "SIRIUS", SiriusConnect, the SIRIUS dog logo, channel names and logos are trademarks of SIRIUS Satellite Radio Inc. Available only in the contiguous United States (excluding Alaska and Hawaii) and Canada. \*10 XM Ready® is a trademark of XM Satellite Radio Inc. ©2005 XM Satellite Radio Inc. All rights reserved. \*11 HD Radio™ Technology Manufactured Under License From iBiquity Digital Corp. U.

S. and Foreign Patents. HD Radio™ and the HD Radio logo are proprietary trademarks of iBiquity Digital Corp. \*12 Supplied Accessories Make sure you have the following accessories: Remote controller and three batteries (AA/R6) Speaker setup microphone Indoor FM antenna Manufactured under license from Audyssey Laboratories. U.S. and foreign patents pending. Audyssey MultEQ® XT, Audyssey Dynamic Volume™, and Audyssey Dynamic EQ™ are trademark of Audyssey Laboratories. \*13 Music Optimizer™ is a trademark of Onkyo Corporation. THX Ultra2 Plus Before any home theater component can be THX Ultra2 Plus certified, it must pass a rigorous series of quality and performance tests.

Only then can a product feature the THX Ultra2 Plus logo, which is your guarantee that the Home Theater products you purchase will give you superb performance for many years to come. THX Ultra2 Plus requirements define hundreds of parameters, including power amplifier performance, and pre-amplifier performance and operation for both digital and analog domains. THX Ultra2 Plus receivers also feature proprietary THX technologies (e.g., THX Mode) which accurately translate movie soundtracks for home theater playback.

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and other countries. "x.v.Color" is a trademark of Sony Corporation. AM loop antenna Power cord (Power cord 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 Center Surround Right Surround Right 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 operation are the same regardless of color. This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights.

Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited consumer uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited. Surround Right Surround Right 7 Multiroom Capability You can use four speaker systems with this AV receiver--Speakers A: a surround-sound speaker system (up to 7.1 channels) for enjoying DVD movies in your main room, Speakers B: a pair of stereo speakers for serious music listening in your main room, Zone 2: a stereo speaker system in a second room, Zone 3: a stereo speaker system in a third room. And, you can select a different audio source for each room. Speakers A: Enjoy up to 7.1-channel surround-sound playback (see page 23). You can enjoy the various listening modes, such as Dolby, DTS, and THX (see pages 8191). \*While Powered Zone 2 is being used, playback is reduced to 5.1-channels (see page 130).

Speakers B: Use a pair for stereo speakers for serious music listening in main room (see page 23). \*Can be used with the subwoofer, center, surround, or surround back speakers as required (see page 98). Zone 2: Enjoy 2-channel stereo playback and video playback in a second room (see page 130). \*The listening modes cannot be used with Zone 2 and Zone 3. \*External power amplifier required if Speakers B is used.

Zone 3: Enjoy 2-channel stereo playback in a third room (see page 131). \*The listening modes cannot be used with Zone 2 and Zone 3. \*External power amplifier required. Main Room: Speakers A and Speakers B Front Speakers B Surround back left and right speakers \* Front Speakers A While Powered Zone 2 is being used, nothing is output by these speakers (page 132). Subwoofer\* Center speaker\* Surround left and right speakers\* \* Can be used with Speakers A and Speakers B.

Zone 2 Room Zone 3 Room Left and right stereo speakers Left and right stereo speakers 8 Front & Rear Panels Front Panel 1 2 3 4 5 6 7 8 9 bk bl Front flap TX-NR906 only Push here to open the flap The actual front panel has various logos printed on it. They are not shown here for clarity. The page numbers in parentheses show where you can find the main explanation for each item. ON/STANDBY button (51) Sets the AV receiver to On or Standby. STANDBY indicator (51) Lights up when the AV receiver is on Standby and flashes while a signal is being received from the remote controller. ZONE 2 indicator (134) This indicator lights up when Zone 2 is selected. ZONE 3 indicator (134) This indicator lights up when Zone 3 is selected. Remote-control sensor (15) Receives control signals from the remote controller. Display See "Display" on page 11. DISPLAY button (72) Displays various information about the currently selected input source.



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**MASTER VOLUME control (70) and indicator** Sets the volume of the AV receiver to - dB, 81.5 dB through +18.0 dB (relative display). The volume level can also be displayed as an absolute value. See "Volume Setup" on page 115. **PURE AUDIO button and indicator (81)** Selects the Pure Audio listening mode. The indicator lights up when this mode is selected. Pressing this button again selects the previous listening mode. **AUDIO SEL button (120)** Selects the audio input: analog, digital, HDMI, or multichannel. **Input selector buttons (70)** Select the following input sources: DVD, VCR/DVR, CBL/SAT, GAME/TV, AUX 1, AUX 2, TAPE, TUNER, CD, PHONO, NET/USB (TX-NR906 only).

**9 Front & Rear Panels--Continued North American model bm bn bo bp bq br bs bt ck cl cm cn cp TX-NR906 only co cq cr cs Other models ct dk dl bt cp TX-NR906 only** The page numbers in parentheses show where you can find the main explanation for each item. **PHONES jack (72)** This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening. **ZONE 2, ZONE 3, and OFF buttons (134)** The ZONE 2 button is used when setting Zone 2. The ZONE 3 button is used when setting Zone 3. The OFF button is used to turn off Zone 2 or Zone 3.

**LEVEL button (135)** Used when adjusting the volume level of Zone 2 or Zone 3. **TONE button (135)** Used to adjust the tone (bass and treble). **HDMI OUT button (55)** Used to set the "Monitor Out" setting. **STEREO button (81)** Selects the Stereo listening mode. **THX button (81)** Selects the THX listening modes. **DIMMER (RT/PTY/TP) button (71, 78)** This button is used to adjust the display brightness. Other models, this is the [RT/PTY/TP] button, and it's for RDS (Radio Data System). See "Using RDS" on page 77. **MEMORY button (75)** Used when storing or deleting radio presets. **TUNING MODE button (73)** Selects the Auto or Manual tuning mode. **SETUP button** This button is used to access the onscreen setup menus that appear on the connected TV. **TUNING, PRESET, Arrow, and 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 75). 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. **RETURN button** Selects the previously displayed onscreen setup menu.

**USB port (TX-NR906 only)** A USB mass storage device, such as a USB flash drive or MP3 player, containing music files (MP3, WMA, WAV, AAC) can be plugged in here and the music selected and played through the AV receiver. **SETUP MIC (64)** The included speaker setup microphone is connected here for automatic speaker setup. **cr AUX 2 INPUT (45, 80)** Used to connect a camcorder, game console, and so on. There are input jacks for optical digital audio, S-Video, composite video, and analog audio. **10 Front & Rear Panels--Continued cs Up [ ] and Down [ ] buttons (106, 135)** Used to adjust the tone, and the volume and balance of Zone 2 and Zone 3. **dk LISTENING MODE [ ]/[ ] buttons (81)** Select the Onkyo original listening modes. **dl POWER switch (51)** American models do not have this switch. This is the main power switch. When set to OFF, the AV receiver is completely shutdown. It must be set to ON to set the AV receiver to On or Standby.

**ct DIGITAL INPUT button (64)** Used to assign digital inputs to input selectors. **Display 12 3 4 5 6 7 8 9 bk Tuning indicators (73) bl bm bn** For detailed information, see the pages in parentheses. **Speaker/channel indicators (88)** Indicate the speaker configuration and channels used by the current input source. A box is displayed for each speaker that's set in the Speaker Configuration. No box appears for speakers that are set to No or None.

The following abbreviations indicate which audio channels are included in the current input signal. **FL:** Front left **C:** Center **FR:** Front right **SL:** Surround left **LFE:** Subwoofer (Low Frequency Effects) **SR:** Surround right **SBL:** Surround back left **SB:** Surround back **SBR:** Surround back right **BTL indicator (61)** Lights up when the "Speaker Type" setting is set to "BTL" for bridged front speaker operation. **A and B indicators (70)** Indicate which speaker set is selected: A or B. **ZONE 2 indicator (134)** Lights up when Powered Zone 2 is being used. **Listening mode and format indicators (81)** Show the selected listening mode and audio input signal format.

**HD (North American model only) (76):** Lights up if the current AM or FM station supports HD Radio technology. **SPS (North American model only) (79):** Lights up when tuned to a HD Radio station that's transmitting secondary multicast channels. **RDS (77):** Lights up when tuned to a radio station that supports RDS (Radio Data System). **AUTO (73):** Lights up when Auto Tuning mode is selected for AM or FM radio. Goes off when Manual Tuning mode is selected. **TUNED (73):** Lights up when tuned to a radio station. **FM STEREO (73):** Lights up when tuned to a stereo FM station. **SLEEP indicator (72)** Lights up when the Sleep function has been set. **Audyssey indicator (64)** Flashes during automatic speaker setup. Lights up when the "Equalizer Settings" is set to "Audyssey".

**Headphone indicator (72)** Lights up when a pair of headphones are plugged into the PHONES jack. **Message area** Displays various information. **11 Front & Rear Panels--Continued** **Audio input indicators (76, 120)** Indicate the type of audio input that's selected as the audio source: HDMI, ANALOG, or DIGITAL.

While a digital HD Radio transmission is being received, the DIGITAL indicator lights up. While an analog HD Radio transmission is being received, the ANALOG indicator lights up. **Volume level (70)** Displays the volume level. **MUTING indicator (71)** Flashes while the AV receiver is muted. **Rear Panel North American model 12 3 4 5 6 7 8 9 bl bn bo 1 bp bq br bs bt ck cl cm cn co cp cq cr cs ct dk dl dm \*1 TX-NR906 only dn Other models bk bm bo 1 12 Front & Rear Panels--Continued** **REMOTE CONTROL** This (Remote Interactive) jack can be connected to the jack on another -capable Onkyo component for remote and system control. To use, you must make an analog audio connection (RCA) between the AV receiver and the other component, even if they are connected digitally. **RS232 PHONO IN** This audio input is for connecting a turntable.

**COMPONENT VIDEO IN 1, 2, and 3** These RCA component video inputs are for connecting components with a component video output, such as a DVD player, DVD recorder, or DVR (digital video recorder). They're assignable, which means you can assign each one to an input selector to suit your setup. See "Component Video Setup" on page 58. **COMPONENT VIDEO MONITOR OUT** This RCA component video output is for connecting a TV or projector with a component video input.



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**HDMI IN 14, OUT MAIN, and OUT SUB HDMI** (High Definition Multimedia Interface) connections carry digital audio and digital video. The HDMI inputs are for connecting components with an HDMI output, such as a DVD player, DVD recorder, or DVR (digital video recorder). They're assignable, which means you can assign each one to an input selector to suit your setup. See "Video Input Setup" on page 56. The HDMI outputs are for connecting a TV or projector with an HDMI input. **SIRIUS antenna** (on North American model) This jack is for connecting a SIRIUS digital antenna, sold separately (see the separate SIRIUS instructions).

**XM antenna** (on North American model) This jack is for connecting an XM Mini-Tuner and Home Dock, sold separately (see the separate XM instructions).

**MONITOR OUT** The S-Video or composite video jack should be connected to a video input on your TV or projector. **AM ANTENNA** (not North American model) These push terminals are for connecting an AM antenna. **ZONE 2 OUT** This composite video output can be connected to a video input on a TV in Zone 2. **FM ANTENNA** (not North American model) This jack is for connecting an FM antenna. **IR IN/OUT** A commercially available IR receiver can be connected to the IR IN jack, allowing you to control the AV receiver while you're in Zone 2, or control it when it's out of sight, for example, installed in a cabinet. A commercially available IR emitter can be connected to the IR OUT jack to pass IR (infrared) remote control signals through to other components. **ETHERNET port (TX-NR906 only)** This port is for connecting the AV receiver to your Ethernet network (e.g., router or switch) for playing music files on a networked computer or media server, or for listening to Internet radio.

**12V TRIGGER OUT ZONE 2** This output can be connected to the 12-volt trigger input on a component in Zone 2. When Zone 2 is turned on, a 12-volt trigger signal is output. **AM and FM ANTENNA (HD Radio reception)** (on North American model) The AM push terminals are for connecting an AM antenna. The FM jack is for connecting an FM antenna. **AC INLET** The supplied power cord is connected here. The other end of the power cord should be connected to a suitable wall outlet. **DIGITAL COAXIAL IN 1, 2, and 3** These coaxial digital audio inputs are for connecting components with a coaxial digital audio output, such as a CD player or DVD player. They're assignable, which means you can assign each one to an input selector to suit your setup. See "Digital Audio Input Setup" on page 59. **DIGITAL OPTICAL IN 1, 2, and OUT** These optical digital audio inputs are for connecting components with an optical digital audio output, such as a CD player or DVD player.

They're assignable, which means you can assign each one to an input selector to suit your setup. See "Digital Audio Input Setup" on page 59. The optical digital audio output is for connecting a digital recorder with an optical digital input, such as a CD recorder. **GND screw** This screw is for connecting a turntable's ground wire. **CD IN** This analog audio input is for connecting a CD player's analog audio output.

**13 Front & Rear Panels--Continued** **TAPE IN/OUT** These analog audio input and output jacks are for connecting a recorder with an analog audio input and output, such as a cassette deck, MD recorder, etc. **AUX 1 IN A** VCR for playback only or other video source can be connected here. There's S-Video and composite video input jacks for connecting the video signal. **GAME/TV IN A** game console or TV output can be connected here. There's S-Video and composite video input jacks for connecting the video signal.

**CBL/SAT IN** A cable or satellite receiver can be connected here. There's S-Video and composite video input jacks for connecting the video signal. **VCR/DVR IN/OUT** A video component, such as a VCR or DVR, can be connected here for recording and playback. There's S-Video and composite video input and output jacks for connecting the video signal. **dl PRE OUT: ZONE 2, ZONE 3 L/R** These analog audio outputs can be connected to the line inputs on amplifiers in Zone 2 and Zone 3. **dm ZONE 2 L/R speakers** These terminal posts are for connecting speakers in Zone 2 or front Speakers B. The ZONE 2 L/R and SURR BACK L/R terminal posts can be used with front Speakers B and surround back speakers, respectively, or used to bi-amp or bridge front Speakers B. See "Bi-amping Front Speakers A" on page 27 and "Bridging Front Speakers A" on page 28. **dn AC OUTLET** (North American model only) These switched AC outlets can be used to supply power to other AV components. The type and number of outlets depends on the country in which you purchased your AV receiver.

**cr DVD IN** This input is for connecting a DVD player. There's S-Video and composite video input jacks for connecting the video signal. See pages 2250 for hookup information. **cs FRONT L/R, CENTER, SURR L/R, and SURR BACK L/R speakers** These terminal posts are for connecting the front Speakers A, center, surround, and surround back speakers. The FRONT L/R and SURR BACK L/R terminal posts can be used with front Speakers A and surround back speakers, respectively, or used to bi-amp or bridge front Speakers A. See "Bi-amping Front Speakers A" on page 27 and "Bridging Front Speakers A" on page 28. **ct MULTI CH input: FRONT L/R, CENTER, SUBWOOFER, SURR L/R, and SURR BACK L/R** This analog multichannel input is for connecting a component with a 5.1/7.1-channel analog audio output, such as a DVD player, DVD-Audio or SACD-capable player, or an MPEG decoder. **dk PRE OUT: FRONT L/R, CENTER, SUBWOOFER, SURR L/R, and SURR BACK L/R** This 5.

1/7.1 multichannel analog audio output can be connected to the analog audio input on a multichannel power amplifier for when you want to use the AV receiver solely as a preamplifier. The SUBWOOFER jack is for connecting a powered subwoofer. **14 Remote Controller** Installing the Batteries Aiming the Remote Controller When using the remote controller, point it toward the AV receiver's remote control sensor, as shown below. Remote control sensor **STANDBY indicator** AV receiver 1 To open the battery compartment, press the small hollow and slide open the cover.

**30° 2** Insert the three supplied batteries (AA/R6) in accordance with the polarity diagram inside the battery compartment. **30° Approx. 16 ft. (5 m) 3** Slide the cover shut. Notes: · 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.



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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 on top of the remote controller, such as a book or magazine, because a button may be pressed continuously, 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.

**15 Remote Controller--Continued** About the Remote Controller Modes As well as the AV receiver, you can also use the remote controller to control your other AV components. The remote controller has a specific operating mode for use with each type of component. Modes are selected by using the REMOTE MODE buttons. **RECEIVER/TAPE Mode** In RECEIVER/TAPE mode, you can control the AV receiver and an Onkyo cassette recorder connected via . **DVD Mode** By default, you can control an Onkyo DVD player in this mode. By entering the appropriate remote control code, you can control components made by other manufacturers (see page 137). **CD/CDR/MD Mode** By default, you can control an Onkyo CD player in this mode. By entering the appropriate remote control code, you can control a CD player, MD recorder, or CD recorder made by another manufacturer (see page 137). **DOCK Mode** This mode is for controlling an Apple iPod in an Onkyo RI Dock. You must enter the appropriate remote control code first (see page 137).

**NET/USB Mode (TX-NR906 only)** This mode is for playing music files on a networked computer, media server, or USB mass storage device, or for listening to Internet radio. **TV and VCR Modes** With these modes, you can control a TV and VCR. You must enter the appropriate remote control code first (see page 137). **CABLE/SAT Mode** In CABLE/SAT mode, you can control a cable or satellite TV receiver. You must enter the appropriate remote control code first (see page 137).

**ZONE 2/ZONE 3 Modes** These modes are for controlling Zone 2 and Zone 3 (see page 133). **RECEIVER/TAPE Mode** RECEIVER/TAPE mode is used to control the AV receiver. It can also be used to control an Onkyo cassette recorder connected via . To set the remote controller to RECEIVER/TAPE mode, press the [RECEIVER] REMOTE MODE button. 1 ON STANDBY 2 3 TV INPUT DVD VCR/DVR CBL/SAT bm 1 GAME/TV 2 AUX1 3 AUX2 + TV CH 4 TAPE 5 TUNER 6 CD - 7 PHONO 8 NET/USB 9 D.

**TUN TV VOL +10 0 CLEAR 12 11 --/-- 10 INPUT SELECTOR bn ZONE3 4 RECEIVER TAPE/AMP MACRO 1 2 3 \*1 bo bp TX-SR876 (RC-690M) DOCK REMOTE MODE DVD VCR CD CDR/MD/DOCK ZONE2 TV DIMMER CABLE SAT NET/USB RECEIVER TAPE/AMP SLEEP 5 6 7 8 9 1 P TO MENU MEN U + CH DISC ALBUM ENTER VOL PREV CH DISPLAY GU IDE EXIT SE TUP RN RE T U MUTING bq br bs REC PLAYLIST RANDOM SP A SP B LISTENING MODE STEREO SURR AUDIO DIRECT SUBTITLE PLAY MODE THX ALL ST \* bt 1 bk bl REPEAT PURE A TEST TONE CH SEL LEVEL-LEVEL+ OPEN/CLOSE VIDEO OFF AUDIO SEL VCR L NIGHT DVD Re-EQ HDD 1 2** Use the REMOTE MODE buttons to select a mode. Use the buttons supported by that mode to control the component. **RECEIVER/TAPE mode:** see right column **DVD mode:** see page 18 **CD/MD/CDR mode:** see page 19 **DOCK mode:** see page 20 **NET/USB mode (TX-NR906 only):** see page 21 **TV, VCR, CABLE/SAT modes:** see page 139 **RC-687M ck cl cm \*1 TX-NR906 only (RC-687M) Note:** Some of the remote controller functions described in this manual may not work as expected with other components. **16 Remote Controller--Continued** For detailed information, see the pages in parentheses. **STANDBY button (51)** Sets the AV receiver to Standby. **ON button (51)** Turns on the AV receiver. **INPUT SELECTOR buttons (70)** Used to select the input source. **MACRO buttons (141)** Used with the Macro function. **DIMMER button (71)** Adjusts the display brightness. **Arrow [ ]/[ ]/[ ]/[ ]** and **ENTER buttons** Used to select and adjust settings.

**CH +/- button (75)** Selects radio presets. **SETUP button** Used to change settings. **DISPLAY button (72)** Displays information about the current input source. **LISTENING MODE buttons (81)** Used to select the listening modes. The [STEREO], [SURR], and LISTENING MODE [ ]/[ ] buttons can be used at any time, regardless of the currently selected remote controller mode. **TEST TONE, CH SEL, LEVEL, and LEVEL+ buttons (71, 100)** Used to adjust the level of each speaker. **LIGHT button** Turns the remote controller's illuminated buttons on or off. **D.TUN button (74)** Selects the Direct tuning mode for radio. **REMOTE MODE buttons (16)** Used to select the remote controller modes.

When you press a button, the REMOTE MODE button for the currently selected mode lights up. **SLEEP button (72)** Used with the Sleep function. **VOL [ ]/[ ] button (70)** Adjusts the volume of the AV receiver regardless of the currently selected remote controller mode. **RETURN button** Returns to the previous display when changing settings. **MUTING button (71)** Mutes or unmutes the AV receiver.

**SP A and SP B buttons (TX-NR906 only) (8, 23)** Used to select Speakers A or Speakers B. **Re-EQ button (108)** Turns the Re-EQ function on or off. **L NIGHT button (109)** Turns the Late Night function on or off. **AUDIO SEL button (120)** Selects the audio input: analog, digital, HDMI, or multichannel. **TAPE mode** On twin cassette decks, only Deck B can be controlled.

**1 Previous and Next [ ]/[ ] buttons** The Previous [ ] button selects the previous track. During playback it selects the beginning of the current track. The Next [ ] button selects the next track. Depending on how they were recorded, the Previous and Next [ ]/[ ] buttons may not work properly with some cassette tapes.

**Play [ ] button** Starts playback. **Rewind and Fast Forward [ ]/[ ] buttons** The Rewind [ ] button starts rewind. The Fast Forward [ ] button starts fast forward. **Reverse Play [ ] button** Starts reverse playback. **Stop [ ] button** Stops playback. **REC [ ] button** Starts recording.

**17 Remote Controller--Continued** **DVD Mode** To set the remote controller to DVD mode, press the [DVD] REMOTE MODE button. **STANDBY button** Sets the DVD player to Standby. **ON button** Turns on the DVD player. **Number buttons** Used to enter title, chapter, and track numbers, and to enter times for locating specific points. **ON STANDBY 1 2 3 TV INPUT DVD VCR/DVR CBL/SAT TOP MENU button** Selects a DVD's top menu. **Arrow [ ]/[ ]/[ ]/[ ]** and **ENTER buttons** Used to navigate menus and select items. **DISC +/- button** Selects discs on a DVD changer. 1 GAME/TV 2 AUX1 3 AUX2 + TV CH 4 TAPE 5 TUNER 6 CD - 7 PHONO 8 NET/USB 9 D. **TUN TV VOL +10 0 CLEAR 12 11 --/-- 10 INPUT SELECTOR MACRO bn ZONE3 ZONE2 1 2 3 SETUP button** Used to access the DVD player's settings.



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**DISPLAY** button Displays information about the current disc, title, chapter, or track, including elapsed time, remaining time, total time, and so on. Playback buttons From left to right: Previous, Play, Next, Fast Reverse, Pause, Stop, Fast Forward, Slow Reverse, and Slow Forward. **REMOTE MODE** DVD VCR CD CDR/MD/DOCK DVD RECEIVER TAPE/AMP SLEEP TV CABLE SAT NET/USB 4 5 DIMMER P TO MENU MEN U bo + 6 7 8 9 CH DISC ALBUM ENTER VOL PREV CH DISPLAY GU IDE EXIT SE TUP RN RETU bp **MUTING REPEAT** button Used with the repeat playback function. **AUDIO** button Selects foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS).

**REC PLAYLIST RANDOM** bq SP A SP B LISTENING MODE STEREO REPEAT SURR AUDIO DIRECT SUBTITLE PLAY MODE THX ALL ST OPEN/CLOSE [ ] button Opens and closes the disc tray. **CLEAR** button Cancels functions and clears entered numbers. **MENU** button Displays a DVD's menu. **RETURN** button Exits the DVD player's onscreen setup menu. **RANDOM** button Used with the random playback function.

**PLAY MODE** button Selects play modes on components with selectable play modes. **SUBTITLE** button Selects subtitles. **VIDEO OFF** button Turns off the internal video circuitry, eliminating any possibility of interference. bk bl bm PURE A TEST TONE CH SEL LEVEL- LEVEL+ br bs bt OPEN/CLOSE VIDEO OFF AUDIO SEL VCR L NIGHT DVD Re-EQ HDD RC-687M 18 Remote Controller--Continued CD/MD/CDR Modes To control an Onkyo CD player, MD recorder, or CD recorder, or a CD or MD player/recorder made by another manufacturer, press the [CD] **REMOTE MODE** button to select the CD/MD/CDR remote controller mode. In order to control an Onkyo MD recorder or CD recorder, or a component made by another manufacturer, you must first enter the appropriate remote control code (see page 137). **STANDBY** button Sets the component to Standby. **ON** button Set the component to On or Standby. Number buttons Used to enter track numbers and times for locating specific points. Arrow [ ]/[ ]/[ ]/[ ] and **ENTER** buttons Used with some components. **DISC +/-** button Selects discs on a CD changer.

**DISPLAY** button Displays information about the current disc or track, including elapsed time, remaining time, total time, and so on. **INPUT DVD VCR/DVR CBL/SAT 1 2 3 ON STANDBY TV 1 GAME/TV 2 AUX1 3 AUX2 + TV CH** Playback buttons From left to right: Previous, Play, Next, Fast Reverse, Pause, Stop, and Fast Forward. **REC** [ ] button Starts recording. 4 TAPE 5 TUNER 6 CD - 7 PHONO 8 NET/USB 9 D. TUN TV VOL +10 0 CLEAR 12 11 --/-- 10 **INPUT SELECTOR MACRO** bl ZONE3 **REPEAT** button Used with the repeat playback function. **OPEN/CLOSE** [ ] button Opens or closes the disc tray or ejects the MiniDisc. **CLEAR** button Cancels functions and clears entered numbers. **RETURN** button Used with some components. 1 2 3 **REMOTE MODE** DVD VCR CD CDR/MD/DOCK CD ZONE2 CDR/MD/DOCK TV DIMMER CABLE SAT NET/USB RECEIVER TAPE/AMP SLEEP 4 + P TO MENU MEN U 5 6 7 CH DISC ALBUM ENTER VOL PREV CH DISPLAY RANDOM button Used with the random playback function. GU IDE EXIT SE TUP RN RETU **MUTING** bm **PLAY MODE** button Selects play modes on components with selectable play modes.

**REC PLAYLIST RANDOM** 8 STEREO REPEAT bn bo SP A SP B LISTENING MODE SURR AUDIO DIRECT SUBTITLE PLAY MODE THX ALL ST 9 bk PURE A TEST TONE CH SEL LEVEL- LEVEL+ OPEN/CLOSE VIDEO OFF AUDIO SEL VCR L NIGHT DVD Re-EQ HDD RC-687M 19 Remote Controller--Continued **DOCK Mode** Dock mode is for controlling an Apple iPod in an Onkyo RI Dock. To control an RI Dock, press the [CD] (TX-NR906) or [DOCK] (TX-SR876) **REMOTE MODE** button to select the DOCK remote controller mode. In order to control an RI Dock, you must first enter the appropriate remote control code (see page 137). When Using an RI Dock: · Connect the RI Dock to the TAPE IN or AUX 1 IN L/R jacks. · Set the RI Dock's RI MODE switch to HDD or HDD/DOCK.

· Set the AV receiver's Input Display to "DOCK" (see page 63). · See to the RI Dock's instruction manual for more information. **STANDBY** button Turns off the iPod. **ON** button\* Turns on the iPod. **TOP MENU** button Works as a Mode button when used with a DS-A2 RI Dock.

Arrow [ ]/[ ] and **ENTER** buttons\* Used to navigate menus and select items. **ALBUM +/-** button\* Selects the next or previous album. **DISPLAY** button\* Turns on the backlight for 30 seconds. Previous [ ] button Restarts the current song. Press it twice to select the previous song. **Pause** [ ] button Pauses playback. (With 3rd generation iPods, it works as a Play/Pause button.) **Fast Reverse** [ ] button Press and hold to fast reverse. TX-NR906 (RC-687M) CD TV VOL 1 ON STANDBY 2 DVD VCR/DVR CBL/SAT TV INPUT 1 GAME/TV 2 AUX1 3 AUX2 + TV CH 4 TAPE 5 TUNER 6 CD - **PLAYLIST** Up/Down [ ]/[ ] buttons\* Used to select the previous or next playlist on the iPod. **REPEAT** button\* Used with the repeat function.

**MENU** button\* Used to access menus. **Play** [ ] button Starts playback. If the component is off, it will turn on automatically. (With 3rd generation iPods, this button works as a Play/Pause button.) **Next** [ ] button Selects the next song. **Stop** [ ] button Stops playback and displays a menu. 7 PHONO 8 NET/USB 9 D. TUN CDR/MD/DOCK +10 0 CLEAR 12 11 --/-- 10 **INPUT SELECTOR MACRO** 1 2 3 ZONE3 **REMOTE MODE** DVD VCR CD CDR/MD/DOCK ZONE2 TX-SR876 (RC-690M) DOCK TV CABLE SAT NET/USB RECEIVER TAPE/AMP SLEEP 3 4 5 6 7 8 9 bk DIMMER ENU PM MEN U TO bm VOL + CH DISC ALBUM ENTER PREV CH DISPLAY GU IDE EXIT SE TUP RN RETU **MUTING REC PLAYLIST RANDOM** SP A SP B bn bo bp bq br bs \* **Fast Forward** [ ] button Press and hold to fast forward. **RANDOM** button\* Used with the shuffle function. **PLAY MODE** button Used to select play modes on components with selectable play modes.

Works as a Resume button when used with a DS-A2 RI Dock. Buttons marked with an asterisk (\*) are not supported by 3rd generation iPods. **LISTENING MODE STEREO REPEAT SURR AUDIO DIRECT SUBTITLE PLAY MODE THX ALL ST** bl PURE A TEST TONE CH SEL LEVEL- LEVEL+ OPEN/CLOSE VIDEO OFF AUDIO SEL VCR L NIGHT DVD Re-EQ HDD RC-687M 20 Remote Controller--Continued **NET/USB Mode** (TX-NR906 only) **NET/USB** mode is for playing music files on a networked computer, media server, or USB mass storage device, or for listening to Internet radio. To set the remote controller to NET/USB mode, press the [NET/USB] **REMOTE MODE** button. Number buttons Used to enter track numbers.

Arrow [ ]/[ ]/[ ]/[ ] and **ENTER** buttons Used to navigate menus and select items. **CH +/-** button Used to select Internet radio stations. **SETUP** button Displays the URL input screen for Internet radio.



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Previous [ ] button Restarts the current song. Press it twice to select the previous song.

Pause [ ] button Pauses playback of music stored on a USB mass storage device. ON STANDBY TV INPUT DVD VCR/DVR CBL/SAT 1 1 GAME/TV 2 AUX1 3 AUX2 + TV CH REPEAT button Used with the repeat playback function, which can be used with music files on a networked computer, media server, or USB mass storage device. RETURN button Returns to the previous display. Play [ ] button Starts playback. Next [ ] button Selects the next song. NET/USB 4 TAPE 5 TUNER 6 CD - 7 PHONO 8 NET/USB 9 D. TUN TV VOL +10 0 CLEAR 12 11 --/-- 10 INPUT SELECTOR MACRO 1 2 3 ZONE3 REMOTE MODE DVD VCR CD CDR/MD/DOCK ZONE2 TV DIMMER CABLE SAT NET/USB RECEIVER TAPE/AMP SLEEP Stop [ ] button Stops playback. RANDOM button Used with the random playback function, which can be used with music files on a networked computer, media server, or USB mass storage device. 2 + TO ENU PM MEN U 3 4 5 6 CH DISC ALBUM ENTER VOL PREV CH DISPLAY GU IDE EXIT SE TUP RN RETU MUTING 8 9 bk bl bm REC PLAYLIST RANDOM SP A SP B LISTENING MODE STEREO REPEAT SURR AUDIO DIRECT SUBTITLE PLAY MODE THX ALL ST 7 PURE A TEST TONE CH SEL LEVEL- LEVEL+ OPEN/CLOSE VIDEO OFF AUDIO SEL VCR L NIGHT DVD Re-EQ HDD RC-687M 21 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 or digital TV, you can enjoy Dolby Pro Logic IIX, DTS Neo:6, or Onkyo's original DSP listening modes. You can also enjoy THX Surround EX (THX-certified THX speaker system recommended). Front left and right speakers These output the main 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 equally spaced from the TV. Angle them inward slightly so as to create a triangle, with the listener at the apex. 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 equally spaced from the listener. Center speaker This speaker enhances the front left and right speakers, making sound movements distinct and providing a full sound image.

For 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. 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 way along the front 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, DTS-ES Discrete, THX Surround EX, etc. 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. Corner position 1/3 of wall position 22 Connecting the AV Receiver Connecting Your Speakers About Speakers A and Speakers B (TX-NR906 only) Speakers A and Speakers B allows you to have two speaker configurations of up to 7.

1 speakers. Each configuration has its own pair of stereo front speakers and can use the same subwoofer, center, surround, and surround back speakers, as required. You could, for example, use Speakers A when watching a DVD movie with 7.1-channels surround sound and use Speakers B for serious music listening with a pair of stereo speakers and the subwoofer (2.1-channels). The speakers are configured by using the "Speaker Settings" on page 61 and "Speaker Setup" on page 95. Front Speakers A and front Speakers B can be wired normally, bi-amped, or bridged, but A and B cannot be bi-amped or bridged at the same time. For example, if front Speakers A are bridged, front Speakers B can only be wired normally. Similarly, if front Speakers B are bi-amped, Speakers A can only be wired normally. When bridging is used, the AV receiver can drive 2 speakers in the main room (2.

1 speakers if you're using a powered subwoofer). When bi-amping is used, the AV receiver can drive up to 5.1 speakers in the main room. See pages 2730 for more information. The Speakers A and Speakers B configurations are selected by using the [SP A] and [SP B] buttons on the remote controller. Only one configuration can be selected at a time. The versatility offered by the Speakers A and Speakers B configurations means you can configure the AV receiver to suit your exact requirements and application. Two typical applications are shown below. 7.1-channel Playback with Speakers A and Stereo Playback with Speakers B In this example, Speakers A provides 7.

1-channel surround sound for enjoying DVD movies, while Speakers B is used for serious music listening with a pair of top-quality stereo speakers. Speakers B Speakers B FL FL SW C FR FL SW 7.1-channel Playback with Bridged Front Speakers In this example, Speakers A provides 7.1-channel surround sound for enjoying DVD movies, while Speakers B is bridged for use with a pair of highpower stereo speakers, the subwoofer is used with Speakers A and Speakers B. FR FL C FR FR Speakers A SR SBR SL SBL Subwoofer used with A and B Speakers A SR SBR SL SBL 21.

Speaker Settings Speaker impedance Speaker Type Front(Speaker A) Front(Speaker B) 6ohms Normal Normal 21. Speaker Settings Speaker impedance Speaker Type Front(Speaker A) Front(Speaker B) 8ohms Normal BTL 22. Speaker Config 22. Speaker Config Subwoofer Front Center Surround SurrBack Use Use Use Use Use Speaker A Subwoofer Front Center Surround SurrBack Use Use Use Use Use Speaker A 22. Speaker Config 22.

Speaker Config Subwoofer Front Center Surround SurrBack Not Use Use Not Use Not Use Not Use Speaker B Subwoofer Front Center Surround SurrBack Use Use Not Use Not Use Not Use Speaker B 23 Connecting the AV Receiver--Continued Speaker Configuration For 7.1-channel surround-sound playback, you need seven speakers and a powered subwoofer. The following table shows which channels you should use based on the number of speakers you have.



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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 LINE INPUT Connecting a Powered Subwoofer Using a suitable cable, connect the AV receiver's PRE OUT: SUBWOOFER to the input on your powered subwoofer. If your subwoofer is unpowered and you're using an external amplifier, connect the PRE OUT: SUBWOOFER to the amp's input. 7 LINE INPUT Powered subwoofer \* If you're using only one surround back speaker, connect it to the SURR BACK L terminals. No matter how many speakers you use, a powered subwoofer is recommended for a powerful and solid bass. To get the best from your surround-sound system, you must set the speaker settings. You can do this automatically (see page 64) or manually (see page 95). 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 your TV or 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 Normal speakers 1 TV/screen 1 4 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. All you need to do then is to match the color of each label to the corresponding speaker terminal. 2 3 4 2 3 5 6 5 6 For North American model · If you are using banana plugs, tighten the speaker terminal before inserting the banana plug. · Do not insert the speaker code directly into the center hole of the speaker terminal. 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 24 Connecting the AV Receiver--Continued Speaker Connection Precautions Read the following before connecting your speakers: · 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, be sure to set the speaker impedance to 4 ohms (see page 61). 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 amp 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. Connect positive (+) terminals to only positive (+) terminals, and negative (-) terminals to only 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. · Be careful not to short the positive and negative wires. 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 a 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 wire. 4 Screw the terminal tight. 25 Connecting the AV Receiver--Continued 7.1-channel Playback with Speakers A The following illustration shows which speaker should be connected to each pair of terminals for 7.1-channel playback with Speakers A. If you're using only one surround back speaker, connect it to the SURR BACK L terminals. Front right speaker Center speaker Front left speaker Surround back right speaker Surround right speaker Surround left speaker Surround back left speaker 7.

1-channel Playback with Speakers A or Speakers B The following illustration shows which speaker should be connected to each pair of terminals for up to 7.1-channel playback with Speakers A or Speakers B. If you're using only one surround back speaker, connect it to the SURR BACK L terminals. Front right speaker A Center speaker Front left speaker A Front right speaker B Surround back right speaker Surround right speaker Surround left speaker Surround back left speaker Front left speaker B Notes: · When Speakers A is selected, the front left speaker A and front right speaker A become the main front speakers.

When Speakers B is selected, the front left speaker B and front right speaker B become the main front speakers.

· The speakers are configured by using the "Speaker Settings" on page 61 and "Speaker Setup" on page 95. · You can choose which of the speakers you want to use with the Speakers A and Speakers B configurations (see page 98). 26 Connecting the AV Receiver--Continued Bi-amping Front Speakers A The FRONT L/R and SURR BACK L/R terminal posts can be used with front Speakers A and surround back speakers respectively, or bi-amped to provide separate tweeter and woofer feeds for front Speakers A, providing improved bass and treble performance. · When bi-amping is used, the AV receiver is able to drive up to 5.1 speakers in the main room.

· For bi-amping, the FRONT L/R terminal posts connect to the front speakers' tweeter terminals. And the SURR BACK L/R terminal posts connect to the front speakers' woofer terminals. · Once you've completed the bi-amping connections shown below and turned on the AV receiver, you must set the "Speaker Type: Front(Speaker A)" setting to "Bi-Amp" to enable bi-amping (see page 61). · When front Speakers A are biamped, front Speakers B must be wired normally or not used. Important: · When making the bi-amping connections, be sure to remove the jumper bars that link the speakers' tweeter (high) and woofer (low) terminals. · Bi-amping can only be used with speakers that support bi-amping. Refer to your speaker manual. Bi-amping Speaker Hookup 1 Connect the AV receiver's FRONT R positive (+) terminal to the right speaker's positive (+) woofer (low) terminal.



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