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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO HT-R557. You'll find the answers to all your questions on the ONKYO HT-R557 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ONKYO HT-R557
User guide ONKYO HT-R557
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Instruction manual ONKYO HT-R557

ONKYO®

5.1ch Home Theater System

HT-SP904

AV Receiver (HT-R557)
Front Speakers (SKF-750F)
Center Speaker (SKC-750C)
Surround Speakers (SKM-750S)
Powered Subwoofer (SKW-750)
Remote Interactive Dock (DS-A1X)

Instruction Manual

Thank you for purchasing an Onkyo 5.1ch Home Theater System. 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 5.1ch Home Theater System. Please retain this manual for future reference.

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Manual abstract:

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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 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 230240 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. Pressing the [STANDBY/ON] 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. 5. Never Touch this Unit with Wet Hands--Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer. 6.

Handling Notes · If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it. · Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case. · This unit's top and rear panels may get warm after prolonged use. This is normal. · If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally. 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.



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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 Models 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. 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 Speaker Precautions Placement · The speaker cabinets are made out of wood and are therefore sensitive to extreme temperatures and humidity, do not put them in locations subject to direct sunlight or in humid places, such as near an air conditioner, humidifier, bathroom, or kitchen. · Do not put water or other liquids close to the speakers. If liquid is spilled over the speakers, the drive units may be damaged. · Speakers should only be placed on sturdy, flat surfaces that are free from vibration. Putting them on uneven or unstable surfaces, where they may fall and cause damage, will affect the sound quality. · Subwoofer is designed to be used in the upright vertical position only. Do not use it in the horizontal or tilted position. · If the unit is used near a turntable, CD player or DVD player, howling or slipping of sound may occur. To prevent this, move the unit away from the turntable, CD player or DVD player otherwise lower the unit's output level. Package Contents Make sure you have the following items: AV receiver (HT-R557) Remote controller and two batteries (AA/R6) Indoor FM antenna Using Close to a TV or Computer TVs and computer monitors are magnetically sensitive devices and as such are likely to suffer discoloration or picture distortion when conventional speakers are placed nearby.

To prevent this, the SKF-750F and SKC-750C feature internal magnetic shielding. In some situations, however, discoloration may still be an issue, in which case you should turn off your TV or monitor, wait 15 to 30 minutes, and then turn it back on again. This normally activates the degaussing function, which neutralizes the magnetic field, thereby removing any discoloration effects. If discoloration problems persist, try moving the speakers away from your TV or monitor. Note that discoloration can also be caused by a magnet or demagnetizing tool that's too close to your TV or monitor. AM loop antenna Speaker setup microphone Input Signal Warning The speakers can handle the specified input power when used for normal music reproduction. If any of the following signals are fed to them, even if the input power is within the specified rating, excessive current may flow in the speaker coils, causing burning or wire breakage: 1. Interstation noise from an untuned FM radio. 2. Sound from fast-forwarding a cassette tape.

3. High-pitched sounds generated by an oscillator, electronic musical instrument, and so on. 4. Amplifier oscillation. 5. Special test tones from audio test CDs and so on. 6. Thumps and clicks caused by connecting or disconnecting audio cables (Always turn off your amplifier before connecting or disconnecting cables.) 7. Microphone feedback.

HDMI cable Speaker terminal tool 4 Package Contents--Continued Front speakers (SKF-750F) Base for horizontal mounting (For the center speaker) Center speaker (SKC-750C) Rubber spacers [20] (For the speakers) DS-A1X (see page 46 for package contents) Surround speakers (SKM-750S) * 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. Subwoofer (SKW-750) (Red) (White) Speaker cable for front speakers 11 ft. (3.5 m) (Green) Speaker cable for center speaker 10 ft. (3 m) (Blue) (Gray) Speaker cables for surround speakers 30 ft. (9 m) RCA cable for subwoofer connection 10 ft. (3 m) 4 floor pads for the subwoofer 5 Features Amplifier · 5-channel amplifier · 110 watts per chan...

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66 If you can't resolve an issue, try resetting the AV receiver by holding down the [VCR/DVR] button and pressing the [STANDBY/ON] button. Specifications

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Hookup Connect the speakers and your AV components to the AV receiver. page 18 IN 2 IN 1 HDMI OUT ASSIGNABLE SIRIUS XM ANTENNA FM 75 AM
DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V (CBL/SAT) V S R OPTICAL (VCR/DVR) 1 CR/PR
CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER SURROUND
SPEAKERS PRE OUT SUB WOOFER FRONT SPEAKERS CENTER SPEAKER 2 IN IN L L R REMOTE CONTROL R R SUB WOOFER CD TAPE
CBL/SAT VCR/DVR DVD 2.

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Turning On With the hookup complete, you're ready to switch on. page 36 3. First Time Setup HDMI Video Setup Automatic Speaker Setup Digital Input Input Display A few simple settings to get the very best from your system.

page 37 4. Playing Your AV Components Enjoying movies and music. page 42 5. Using the Listening Modes Time to really enjoy your home theater system! page 51 8 Getting to Know the AV Receiver Front Panel 1 2 3 4 5 6 7 MASTER VOLUME STANDBY/ON TUNING PRESET STANDBY MULTI CH DVD VCR/DVR CBL/SAT AUX TAPE TUNER CD SETUP ENTER RETURN AUX INPUT PHONES SETUP MIC VIDEO L AUDIO R DISPLAY DIGITAL INPUT TONE STEREO LISTENING MODE DIMMER MEMORY TUNING MODE CLEAR 8 9 J K L M N O P Q R S T For detailed information, see the pages in parentheses. A STANDBY/ON button (36) Sets the AV receiver to On or Standby. J DIGITAL INPUT button (41, 62) Used to assign the digital inputs and to specify the format of digital input signals. B STANDBY indicator (36) Lights up when the AV receiver is on Standby and flashes while a signal is being received from the remote controller. K TONE, [], and [+] buttons (49) Used to adjust the bass and treble. L STEREO button (51) Selects the Stereo listening mode. C Remote-control sensor (12) Receives control signals from the remote controller.

M LISTENING MODE []/[] buttons (51) Select the listening modes. D Display See "Display" on page 10. N DIMMER button (49) Adjusts the display brightness. E Input selector buttons (42) Select the input sources. The [MULTI CH] button selects the multichannel DVD input. O MEMORY button (45) Used when storing or deleting radio presets. F Arrow/TUNING/PRESET and ENTER buttons When the tuner is selected, the TUNING [] [] buttons are used for radio tuning, and the PRESET [] [] buttons are used to select radio presets (see page 45). With the setup menus, they work as arrow buttons and are used to select and set items. The ENTER button is also used with the setup menus. P TUNING MODE button (44) Selects the Auto or Manual tuning mode for AM and FM radio.

Q SETUP button Used to access the setup menus. R SETUP MIC (38) The automatic speaker setup microphone connects here. G MASTER VOLUME control (42) Sets the volume of the AV receiver to MIN, 1 through 79, or MAX. S RETURN button Selects the previously displayed setup menu. T AUX INPUT (30, 56) Used to connect a camcorder, games console, and so on.

There are jacks for composite video and analog audio. H PHONES jack (50) This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening. I DISPLAY button (43) Displays various information about the currently selected input source. 9 Getting to Know the AV Receiver--Continued Display 1 2 3 4 5 For detailed information, see the pages in parentheses. 6 7 1 MUTING indicator (49) Flashes while the AV receiver is muted.

2 Input signal format indicators Show the audio signal format of the current input source. 3 Listening mode indicators (52) Show the selected listening mode. 4 Radio indicators FM STEREO (44): Lights up when tuned to a stereo FM station. AUTO (44): For AM and FM radio, lights up when Auto Tuning mode is selected, and disappears when Manual Tuning mode is selected. TUNED (44): Lights up when tuned to a radio station. 5 SLEEP indicator (50) Lights up when the Sleep function has been set. 6 Message area Displays various information about the selected input source. 7 Audyssey indicator (37) Lights up during automatic speaker setup. 10 Getting to Know the AV Receiver--Continued Rear Panel 1 2 3 HDMI OUT ASSIGNABLE 4 5 6 7 8 SIRIUS XM 9 IN 2 IN 1 ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V (CBL/SAT) V S R OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER SURROUND SPEAKERS PRE OUT SUB WOOFER FRONT SPEAKERS CENTER SPEAKER 2 IN IN L L L R REMOTE CONTROL R R SUB WOOFER CD TAPE CBL/SAT VCR/DVR DVD J KL M N J O REMOTE CONTROL This Remote Interactive jack can be connected to the jack on another -capable Onkyo component. To use , you must make an analog audio connection (RCA) between the AV receiver and the other component, even if they are connected digitally.

This analog audio input is for connecting a CD player's analog audio output. A DIGITAL IN OPTICAL 1, 2 and COAXIAL 1, 2 These optical and coaxial digital audio inputs are for connecting components with optical or coaxial digital audio outputs, such as CD and DVD players. B HDMI IN 1, 2, and OUT These jacks are for connecting HDMI-compatible components. Audio and video signals received by the HDMI IN jacks pass through to the HDMI OUT jack. K CD IN C COMPONENT VIDEO A DVD player, TV, or other component that supports component video can be connected here. L TAPE IN/OUT This analog audio input and output are for connecting a recorder with an analog audio input and output, such as a cassette deck, MD recorder, etc. D AM ANTENNA These push terminals are for connecting an AM antenna. E FM ANTENNA This jack is for connecting an FM antenna. M CBL/SAT IN and VCR/DVR IN/OUT The CBL/SAT inputs can be used to connect a cable/satellite receiver, set-top box, etc. The VCR/DVR inputs and outputs can be used to connect a VCR or DVR (digital video recorder).

F MONITOR OUT The S-Video or composite video output should be connected to a video input on your TV or projector. N DVD IN These jacks can be used to connect a DVD player with an analog multichannel audio output for SACD and DVD-Audio playback. G SIRIUS antenna This jack is for connecting a SIRIUS Satellite Radio antenna (see the separate SIRIUS instructions). H XM antenna This jack is for connecting an XM Passport System, sold separately (see the separate XM instructions). O SUBWOOFER PRE OUT A powered subwoofer can be connected here.

I FRONT SPEAKERS, SURROUND SPEAKERS, and CENTER SPEAKER These terminal posts are for connecting the front, center, and surround speakers. See pages 1835 for hookup information. 11 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 AV receiver STANDBY indicator 1 To open the battery compartment, press the small hollow and slide open the cover. 2 Insert the two supplied batteries (AA/R6) in accordance with the polarity diagram inside the battery compartment.

Approx. 16 ft. (5 m) 3 Slide the cover shut.



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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 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.

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. 12 Remote Controller--Continued Using the Remote Controller Including the AV receiver, the remote controller can be used to control up to seven different components. The remote controller has a specific operating mode for use with each type of component. Modes are selected by using the six REMOTE MODE buttons. RECEIVER/TAPE Mode In RECEIVER/TAPE mode, you can control the AV receiver and an Onkyo cassette recorder connected via . 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 .

STANDBY/ON REMOTE MODE RECEIVER TAPE/AMP RECEIVER TAPE/AMP 1 2 3 1 D TUN RECEIVER TAPE/AMP DVD M D/CDR INPUT SELECTOR 1 VCR/DVR 2 CBL/SAT 3 6 DVD CD DOCK DVD and CD/MD/CDR/DOCK DVD Modes With these modes, you can control a DVD M D/CDR CD player and CD player, MD recorder, CDR, DOCK or RI dock DS-AIX. By entering the appropriate remote control code, you can control Onkyo components or components made by other manufacturers (see page 63). TV, VCR and SAT/CABLE Modes With these modes, you can control a TV, VCR, and satellite or cable receiver. You must enter the appropriate remote control code first (see page 63). TV 4 AUX 5 MULTI CH TV J 7 TAPE 8 TUNER 9 CD VCR 12 CABLE 10 11 +10 0 ENT DIMMER CLR SLEEP SAT 4 2 -/- K VOL TV INPUT GUIDE TOP MENU VOL DISC ALBUM CH L M PREVIOUS MENU VCR CABLE 3 5 6 SP A / B MUTING ENTER PLAYLIST/CAT PLAYLIST/CAT SAT N SETUP RETURN 1 REMOTE MODE Press one of the REMOTE MODE buttons to select a mode.

RECEIVER TAPE/AMP DVD M D/CDR 4 7 8 9 LISTENING MODE STEREO SURROUND CD DOCK TV AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY VCR L NIGHT DVD CINE FLTR HDD LEVELLEVEL+ VCR CABLE SAT O P 2 Use the buttons supported by that mode to control the component. RECEIVER/TAPE mode: see right column DVD mode: see page 15 CD/MD/CDR/DOCK mode: see page 16 TV, VCR, SAT/CABLE modes: see page 65 RC-681M Buttons 1, 2, 3, and 4 are used when the TUNER or TAPE input is selected. * The SP A/B function is not supported by this model. Note: Some of the remote controller operations described in this manual may not work as expected with other components. 13 Remote Controller--Continued For detailed information, see the pages in parentheses.

Buttons used when the TUNER input is selected To select the Tuner (AM/FM) as the input source, press: RECEIVER A STANDBY/ON button (36) Sets the AV receiver to On or Standby. B INPUT SELECTOR buttons (42) Used to select the input sources. 8 TUNER C MULTI CH button (43) Selects the multichannel DVD input. D DIMMER button (49) Adjusts the display brightness. 1 Number, D TUN, and ENT buttons (45) Used to select AM and FM radio stations directly. E Arrow []/[]/[] and ENTER buttons Used to select and adjust settings. 2 CH +/- button (45) Used to select radio presets. F SETUP button Used to access the setup menus. 3 Arrow []/[] buttons For AM and FM, the Up and Down []/[] buttons are used for tuning. []/[] buttons Used to select the listening modes.

These buttons work in all remote controller modes. STEREO button Selects the Stereo listening mode. SURROUND button Selects the Dolby and DTS listening modes and the Neural Surround listening mode. []/[] buttons Used to select the available listening modes. Buttons used when the TAPE input is selected To select your Cassette deck as the input source, press: RECEIVER 7 TAPE H TEST TONE, CH SEL, LEVEL-, and LEVEL+ buttons (50, 60) Used to adjust the level of each speaker. 4 Playback buttons On twin cassette decks, only deck B can be controlled. Play [] button Starts playback. Stop [] button Stops playback. Reverse Play [] button Starts reverse playback. Rewind and FF []/[] buttons The Rewind [] button starts rewind.

The FF [] button starts fast forward. I DISPLAY button (43) Displays various information about the selected input source. J REMOTE MODE buttons (13) Used to select the remote controller modes. When a remote controller button is pressed, the REMOTE MODE button for the currently selected mode lights up. K SLEEP button (50) Used with the Sleep function.

L VOL []/[] button (42) Adjusts the volume of the AV receiver regardless of the currently selected remote controller mode. M MUTING button (49) Mutes or unmutes the AV receiver. N RETURN button Selects the previously displayed setup menu. O CINE FLTR button (54) Used with the CinemaFILTER function. P L NIGHT button (54) Used with the Late Night function.

14 Remote Controller--Continued DVD Mode By default, the remote controller is set to control an Onkyo DVD player. To select your DVD player as the input source, press: RECEIVER A STANDBY/ON button Sets the DVD player to On or Standby. B Number buttons Used to enter title, chapter, and track numbers and times for locating specific points. C DISC +/- button Selects discs on a DVD changer. 6 DVD or 5 MULTI CH D TOP MENU button Selects a DVD's top menu. E Arrow []/[]/[] and ENTER buttons Used to navigate DVD menus and the DVD player's onscreen setup menus. F SETUP button STANDBY/ON REMOTE MODE Used to access the DVD player's onscreen setup menus. DVD 1 2 1 VCR/DVR RECEIVER TAPE/AMP DVD M D/CDR G Playback buttons From left to right: Pause, Play, Stop, Fast Reverse, Fast Forward, Previous, and Next. INPUT SELECTOR 2 CBL/SAT 3 6 DVD CD DOCK 4 AUX 5 MULTI CH TV H SUBTITLE button Selects subtitles.



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7 TAPE 8 TUNER 9 CD VCR 12 CABLE I AUDIO button 10 11 +10 D TUN 0 ENT DIMMER CLR SLEEP SAT --/-- K VOL Selects foreign language soundtracks and audio formats (e.

g., Dolby Digital or DTS). J DISPLAY button Displays information about the current disc, title, chapter, or track, including elapsed time, remaining time, total time, and so on. TV INPUT VOL DISC ALBUM CH 3 4 GUIDE TOP MENU PREVIOUS MENU L SP A / B MUTING ENTER PLAYLIST/CAT PLAYLIST/CAT K CLR button Cancels functions and clears entered numbers. 5 6 SETUP L MENU button Displays a DVD's menu. M RETURN M RETURN button Exits the DVD player's onscreen setup menus. N RANDOM button* 7 LISTENING MODE STEREO SURROUND Used with the random playback function. O REPEAT button* Used with the repeat playback functions. LEVEL+ 8 9 J AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY VCR L NIGHT DVD CINE FLTR HDD LEVEL- N O P Q P VCR, DVD, and HDD buttons* Used to select VCR, HDD (hard disk drive), or DVD playback on a VCR/DVD recorder with a built-in hard disk drive. Q PLAY MODE button Selects play modes on components with selectable play modes. RC-681M * Buttons marked with an asterisk (*) are not supported by the DV-SP405 DVD Player. 15 Remote Controller--Continued CD/MD/CDR/DOCK Mode By default, the remote controller is set to control an Onkyo CD player. To select the input source, press: 9 CD A STANDBY/ON button Sets the component to On or Standby. B Number buttons Used to enter track numbers and times for locating specific points on CD/MD players. CD player MD or CD recorder 2 CBL/SAT C DISC/ALBUM +/- button Selects discs on a CD changer, or the next or previous album on an HDD-compatible component connected to an RI Dock.

RECEIVER 7 TAPE D TOP MENU button RI Dock 7 TAPE or Works as a Mode button when used with the DS-A1X RI Dock. * If you're using an MD, CDR, or the RI Dock, you must change the Input Display (see page 41). E Arrow [J/] and ENTER buttons Used to navigate menus on an HDD-compatible component connected to the RI Dock. In order to control an Onkyo MD recorder, CD recorder, or RI Dock, you must first enter the appropriate remote control code (see page 64). F Playback buttons From left to right: Pause, Play, Stop, Fast Reverse, Fast Forward, Previous and Next.

G DISPLAY button STANDBY/ON REMOTE MODE 1 2 1 VCR/DVR RECEIVER TAPE/AMP DVD M D/CDR M D/CDR INPUT SELECTOR 2 CBL/SAT 3 6 DVD CD DOCK CD DOCK 4 AUX 5 MULTI CH TV Displays information about the current disc or track on a CD player or MD/CD recorder, including elapsed time, remaining time, total time, and so on. On an HDD-compatible component connected to the RI Dock, it turns on the back light for 30 seconds. H CLR button VCR 12 CABLE 7 TAPE 8 TUNER 9 CD 10 11 +10 D TUN 0 ENT DIMMER CLR SLEEP SAT Cancels functions and clears entered numbers on a CD player or MD/CD recorder. --/-- 8 VOL I MENU button Used to navigate menus on an HDD-compatible component connected to the RI Dock. 3 INPUT TV VOL DISC ALBUM CH J PLAYLIST [J/] buttons PREVIOUS MENU 4 5 GUIDE TOP MENU 9 J Selects the previous or next playlist on an HDD-compatible component connected to the RI Dock. SP A / B MUTING K RANDOM button Used with the random/shuffle playback function. ENTER PLAYLIST/CAT PLAYLIST/CAT L REPEAT button Used with the repeat playback functions. SETUP RETURN M PLAY MODE button Used to select play modes on components with selectable play modes. Works as a Resume button when used with a DS-A1X RI Dock. 6 LISTENING MODE STEREO SURROUND AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY VCR L NIGHT DVD CINE FLTR HDD LEVELLEVEL+ K L M 7 RC-681M 16 Speakers Subwoofer (SKW-750) For detailed information, see the pages in parentheses.

Front A STANDBY/ON indicator Red: Subwoofer in standby mode Green: Subwoofer on With the Auto Standby function, the SKW-750 automatically turns on when an input signal is detected in Standby mode. When there's no input signal for a while, the SKW-750 automatically enters Standby mode. B OUTPUT LEVEL control (42) 1 This control is used to adjust the volume of the subwoofer. C LINE INPUT (19) Rear This RCA input should be connected to the subwoofer pre out on the AV receiver with supplied RCA cable. Note: The Auto Standby function turns the subwoofer on when the input signal exceeds a certain level. If the Auto Standby function does not work reliably, try slightly increasing or decreasing the subwoofer output level on the AV receiver (page 60). 2 To AC outlet 3 Front, Center & Surround speakers (SKF-750F, SKC-750C, SKM-750S) Rear 1 Keyhole slots These keyhole slots can be used to wall-mount the speaker. 2 Speaker terminals These push terminals are for connecting the speaker to your AV Receiver, amp, or other receiver with the supplied speaker cables. The supplied speaker cables are color-coded for easy identification. Simply connect each cable to the same-colored positive speaker terminal. 3 1 2 3 Speaker mount/bracket inserts These threaded inserts can be used to attach the speaker either horizontally or vertically to a speaker mount or bracket. Note: Use commercially available 1/4" screws to attach the speaker to a speaker mount or bracket. 17 Connecting Your Speakers 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. You can enjoy DVDs featuring DTS and Dolby Digital. With analog and digital TV, you can enjoy Dolby Pro Logic II and Onkyo's own DSP surround listening modes.

Center speaker (SKC-750C) 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 facing forward at about ear level, or at the same height as the front left and right speakers.

Front left and right speakers (SKF-750F) 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 equally spaced from the TV. Angle them inward slightly so as to create a triangle, with the listener at the apex. Subwoofer (SKW-750) 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 wall, as shown.



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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. If the subwoofer is placed on a hard floor (wood, vinyl, tile, etc.) and playback is very loud, the subwoofer's feet may damage the flooring. To prevent this, place the supplied pads underneath the subwoofer's feet. The pads also provide a stable base for the subwoofer.

Corner 1/3 wall length Surround left and right speakers (SKM-750S) 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. Using Rubber Spacers with the Speakers We recommend using the supplied rubber spacers to achieve the best possible sound from your speakers. The rubber spacers prevent the speakers from moving, providing a more stable setup. Rubber spacers Bottom of the speaker 18 Connecting Your Speakers--Continued Speaker Connection Precautions Read the following before connecting your speakers: · You can connect speakers with an impedance of between 8 and 16 ohms. 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. · Pay close attention to speaker wiring polarity. In other words, 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 Speakers The AV receiver's positive (+) speaker terminals and speaker's positive (+) terminals are color-coded for ease of identification. (The negative (-) speaker terminals are all black.) Match the color of each cable to the corresponding speaker terminal.

Speaker terminal Front left Front right Center Surround left Surround right Color White Red Green Blue Gray 1 On the AV receiver, unscrew the terminal. Fully insert the bare wires. Make sure that the bare wire is touching the inside of the pole. Screw the terminal tight. 2 On the speakers, while pressing the terminal lever, insert the wire into the hole, and then release the lever. Using the supplied RCA cable, connect the AV receiver's SUBWOOFER PRE OUT to LINE INPUT on the subwoofer. Make sure the cable is plugged all the way. 3 The following illustration shows which speaker should be connected to each pair of terminals. Using the Speaker Terminal Tool The supplied speaker terminal tool makes it easy to tighten and loosen the speaker terminals. If you are using banana plugs, to ensure optimum sound quality, tighten the speaker terminal before inserting the banana plug.

Surround Surround Front right right left speaker speaker speaker Center speaker Front left speaker L R SURROUND SPEAKERS FRONT SPEAKERS CENTER SPEAKER IN 2 IN 1 HDMI OUT ASSIGNABLE SIRIUS XM ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 VCR/DVR DVD MONITOR OUT V (CBL/SAT) CB/PB V S R OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN PRE OUT SURROUND SPEAKERS PRE OUT SUB WOOFER FRONT SPEAKERS CENTER SPEAKER 2 IN OUT IN FRONT SURROUND CENTER L L L R REMOTE CONTROL R R SUB WOOFER CD TAPE CBL/SAT VCR/DVR DVD LINE INPUT Subwoofer 19

Connecting Your Speakers--Continued Center Speaker Base Use the center speaker base to mount the center speaker horizontally. If you place the speaker and its base on top of a TV or an entertainment center, adjust the angle of the speaker so that it faces toward the listening position. The center speaker should be installed on the base securely. If the speaker is loose, try adjusting the position so that it sits securely on the base. The cradle surface of the base features two stoppers to prevent the speaker from moving. Therefore, you can tilt the speaker toward the front by up to 11 degrees. 11 Wall Mounting The speakers can easily be wall mounted by using the keyhole slots. To prevent the speaker from vibrating against the wall, attach four of the supplied rubber spacers to the rear of each speaker. Mounting vertically To mount the speakers vertically, use the one keyhole slot shown to hang each speaker on the screw that is securely screwed into the wall. Rubber spacer SKC-750C Keyhole slot for wall mounting Stoppers Base for horizontal mounting Using the included rubber spacers We recommend using the supplied rubber spacers to achieve the best possible sound from your speakers.

The rubber spacers prevent the speakers from moving, providing a more stable setup. Rubber spacer Front Mounting horizontally To mount the speakers horizontally, use the two keyhole slots shown to hang each speaker on two screws that are securely screwed into the wall. Keyhole slot for wall mounting Bottom of the bass Rubber spacer The plaque of each speaker rotates so that you can position the speakers upside down. Caution: A mounting screw's ability to support a speaker depends on how well it's anchored to the wall. If you have hollow walls, screw each mounting screw into a stud.

If there are no studs, or the walls are solid, use suitable wall anchors. Use screws with a head diameter of 3/8" or less and a shank diameter of 1/8" or less. With hollow walls, use a cable/pipe detector to check for any power cables or water pipes before making any holes. Leave a gap of between 1/4" Wall and 5/16" between the wall and the base of the screw head, as shown. (We recommend that you consult a home installation profes1/4" 5/16" sional.

) 20 Connecting Antennas 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 jack OUT 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.



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ANTENNA AM FM 75 OUT OUT OUT OUT 2 Connecting the Indoor FM Antenna The supplied indoor FM antenna is for indoor use only. 1 Attach the FM antenna, as shown. FM 75 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.

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. Push Insert wire Release 2 Use thumbtacks or something similar to fix the FM antenna into position. Thumbtacks, etc. 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 22). Caution: Be careful that you don't injure yourself when using thumbtacks. If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead (see page 22). 21 Connecting Antennas--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. 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 FM 75 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.

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 horizontally outside, 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) 22 Connecting Your Components 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 right-channel 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) (Yellow) Composite video 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 and Jacks Video Cable Jack HDMI Description HDMI Y Y PB CB/PB HDMI connections can carry uncompressed standard- or high-definition digital video and audio and offer the best picture and sound quality. Y Component video cable PB PR PR CR/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 jacks slightly differently.) 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. S-Video cable S Composite video cable V Audio Cable Optical digital audio cable Jack OPTICAL Description This offers the best sound quality and allows you to enjoy Dolby Digital and DTS. The audio quality is the same as for coaxial. This offers the best sound quality and allows you to enjoy Dolby Digital and 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 is typically used to connect DVD players with a 5.1channel 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) 23 Connecting Your Components--Continued Connecting Audio and Video Signals to the AV Receiver By connecting both the audio and video outputs of your DVD player and other AV components to the AV receiver, you can switch the audio and video signals simultaneously simply by changing the input source on the AV receiver. · Signal Flow Video Audio Video Audio TV, projector, etc. Speakers (see page 19 for hookup details) DVD player, etc. 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, such as a DVD player, you must make an audio connection and a video connection. Audio Connection Formats When choosing a connection format, bear in mind that the AV receiver doesn't convert between formats. Video Connection Formats Video equipment can be connected by using any one of the following video connection formats: composite video, S-Video, or component video, the latter offering the best picture quality.



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When choosing a connection format, bear in mind that the AV receiver doesn't convert between formats, so only outputs of the same format as the input will output the signal. Video Signal Flow Chart DVD player, etc. Composite S-Video Component IN AV Receiver MONITOR OUT Composite S-Video Component TV, projector, etc. 24 Connecting Your Components--Continued Connecting a TV or Projector Step 1: Choose a video connection from A, B, and C. Step 2: Choose an audio connection from a, b, and c.

· With connection a, you can listen to and record audio from your TV and listen via speaker set B. · To enjoy Dolby Digital and DTS, use connection b or c. (For recording, use a and b, or a and c.) Connection A B C a b c AV receiver COMPONENT VIDEO OUT MONITOR OUT S MONITOR OUT V CBL/SAT IN L/R DIGITAL IN COAXIAL 2 DIGITAL IN OPTICAL 1 Signal flow TV Component video input S-Video input Composite video input Analog audio L/R output Digital coaxial output Digital optical output Picture quality Best Better Standard HDMI IN 2 IN 1 OUT SIRIUS XM ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE L b COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V C R V S (CBL/SAT) OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT c A COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER SURROUND SPEAKERS 2 IN IN B FRONT SPEAKERS PRE OUT SUB WOOFER S L L L R REMOTE CONTROL R R SUB WOOFER R CD TAPE CBL/SAT VCR/DVR DVD a L COAXIAL OUT OPTICAL OUT Y PB PR COMPONENT VIDEO IN AUDIO OUT R S VIDEO IN VIDEO IN Connect one or the other Connection c must be assigned (see page 41) TV, projector, etc. Hint! If your TV has no audio outputs, connect an audio output from your VCR or cable or satellite receiver to the AV receiver and use its tuner to listen to TV programs through the AV receiver (see pages 29 and 31). 25 Connecting Your Components--Continued Connecting a DVD player Step 1: Choose a video connection from A, B, and C. You must connect the AV receiver to your TV via the same type of connection. Step 2: Choose an audio connection from a, b, and c. · With connection a, you can listen to and record audio from a DVD and listen via speaker set B. · To enjoy Dolby Digital and DTS, use connection b or c.

(For recording, use a and b, or a and c.) · If your DVD player has main left and right outputs and multichannel left and right outputs, be sure to use the main left and right outputs for connection a. Connection A B C a b c AV receiver COMPONENT VIDEO DVD IN DVD IN S DVD IN V DVD IN FRONT DIGITAL IN COAXIAL 1 DIGITAL IN OPTICAL 1 Signal flow DVD player Picture quality Best Better Standard Component video output S-Video output Composite video output Analog audio L/R output Digital coaxial output Digital optical output HDMI IN 2 IN 1 OUT SIRIUS XM ASSIGNABLE ANTENNA FM 75 b c AM DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V C R (CBL/SAT) V S OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER 2 IN IN B L R SURROUND SPEAKERS PRE OUT SUB WOOFER FRONT SPEAKERS L L L A REMOTE CONTROL R R R SUB WOOFER CD TAPE CBL/SAT VCR/DVR DVD a L COAXIAL OUT OPTICAL OUT Y PB PR COMPONENT VIDEO OUT AUDIO OUT R S VIDEO OUT VIDEO OUT Connect one or the other Connection c must be assigned (see page 41) DVD player To connect a DVD player or DVD-Audio/SACD-capable player with a multichannel analog audio output, see page 27. 26 Connecting Your Components--Continued Hooking Up the Multichannel DVD Input If your DVD player supports multichannel audio formats such as DVD-Audio or SACD, and it has a multichannel analog audio output, you can connect it to the AV receiver's multichannel DVD input. Use a multichannel analog audio cable, or several normal audio cables, to connect the AV receiver's DVD IN FRONT L/R, CENTER, SURROUND L/R, and SUBWOOFER jacks to the 5.

1-channel analog audio output on your DVD player. If your DVD player has a 7.1-channel analog audio output, don't connect anything to the DVD player's SURR BACK L/R jacks. HDMI IN 2 IN 1 OUT SIRIUS XM ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V (CBL/SAT) V S R OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER SURROUND SPEAKERS FRONT SPEAKERS CENTER SPEAKER 2 IN IN FRONT PRE OUT L SUB WOOFER SURROUND CENTER L L L R REMOTE CONTROL R R SUB WOOFER R R DVD SUB WOOFER CD TAPE CBL/SAT VCR/DVR DVD L FRONT R L SURROUND R CENTER SUB WOOFER DVD player 27 Connecting Your Components--Continued Connecting Components with HDMI If you have an HDMI-compatible player, you can connect it to the AV receiver with an HDMI cable. Step 1: Connect your HDMI-compatible TV to the AV receiver's HDMI OUT jack.

Step 2: Connect your HDMI-compatible player to the AV receiver's HDMI IN 1 or 2 jack. Step 3: Connect your HDMI-compatible player to an analog and/or digital audio input on the AV receiver. Audio and video signals received via the HDMI IN 1 and 2 jacks are output by the HDMI OUT jack as they are (HDMI pass-through), so even if you only make the connections in steps 1 and 2, your TV will output sound. However, if you want to listen through the speakers connected to the AV receiver, in addition to an HDMI connection, you'll also need to make a separate analog or digital audio connection. Step 4: Assign the HDMI IN. Turn on the AV receiver, and then assign the HDMI IN (see page 40) HDMI OUT HDMI IN TV Step 2 DVD player Step 3 HDMI ASSIGNABLE Step 1 HDMI IN 1 IN 2 IN 1 OUT HDMI ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE COAXIAL 1 (DVD) Y CBL/SAT 2 VCR/DVR DVD MONITOR OUT V (CBL/SAT) CB/PB V S OPTICAL (VCR/DVR) Tip! If you make the connection described in step 3, to fully enjoy the AV receiver's listening modes, turn down the volume on your TV all the way so that its speakers output no sound. 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT SURROUND CENTER 2 IN IN L L L R REMOTE CONTROL R R SUB WOOFER R Sound off CD TAPE CBL/SAT VCR/DVR DVD Connect one or the other Notes: · Audio and video signals received via the HDMI IN jacks are output only by the HDMI OUT.



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· Audio and video signals received via inputs other than the HDMI IN jacks are not output by the HDMI OUT. · The HDMI video stream is compatible with DVI (Digital Visual Interface), so TVs and displays with a DVI input can be connected by using an HDMI-to-DVI adapter cable. (Note that DVI connections only carry video, so you'll need to make a separate connection for audio.

) However, reliable operation with such an adapter is not guaranteed. In addition, video signals from a PC are not supported. · To watch an HDMI source that's connected via the AV receiver's HDMI jacks, the AV receiver must be turned on, otherwise no HDMI signal will be output. · The HDMI audio signal (sampling rate, bit length, etc.) may be restricted by the connected source component. If the picture is poor or there's no sound from a component connected via HDMI, check its setup. Refer to the connected component's instruction manual for details. 28 Connecting Your Components--Continued Connecting a VCR or DVD Recorder for Playback Hint! With this hookup, you can use your VCR's tuner to listen to your favorite TV programs via the AV receiver, useful if your TV has no audio outputs. Step 1: Choose a video connection from A, B, and C. You must connect the AV receiver to your TV via the same type of connection.

Step 2: Choose an audio connection from a, b, and c. · With connection a, you can listen to the VCR or DVD recorder even via speaker set B. · To enjoy Dolby Digital and DTS, use connection b or c. (To listen via speaker set B, use a and b, or a and c.) Connection A B C a b c AV receiver COMPONENT VIDEO VCR/DVR IN VCR/DVR IN S VCR/DVR IN V VCR/DVR IN L/R DIGITAL IN COAXIAL 2 DIGITAL IN OPTICAL 1 Signal flow VCR or DVD recorder Component video output S-Video output Composite video output Analog audio L/R output Digital coaxial output Digital optical output Picture quality Best Better Standard HDMI IN 2 IN 1 OUT SIRIUS XM ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE b COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V C SURROUND SPEAKERS PRE OUT (CBL/SAT) V S OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT c A COMPONENT VIDEO (CD) IN IN IN FRONT 2 IN IN SURROUND CENTER B FRONT SPEAKERS L L L L SUB WOOFER R REMOTE CONTROL R R SUB WOOFER R CD TAPE CBL/SAT VCR/DVR DVD a L COAXIAL OUT OPTICAL OUT Y PB PR COMPONENT VIDEO OUT AUDIO OUT R S VIDEO OUT VIDEO OUT Connect one or the other Connection b must be assigned (see page 41) VCR, DVD recorder 29 Connecting Your Components--Continued Connecting a VCR or DVD Recorder for Recording Step 1: Choose a video connection from A and B.

The video source to be recorded must be connected to the AV receiver via the same type of connection. Step 2: Make the audio connection a. AM SIRIUS XM ANTENNA FM 75 DIGITAL IN ASSIGNABLE L COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD B MONITOR OUT V (CBL/SAT) V S R OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO IN IN IN FRONT SURROUND SPEAKERS FRONT SPEAKERS A PRE OUT a (CD) 2 IN IN A SURROUND CENTER L L L L SUB WOOFER R REMOTE CONTROL R R SUB WOOFER R CD TAPE CBL/SAT VCR/DVR DVD L R AUDIO IN S VIDEO IN VCR, DVD recorder Connection A B a AV receiver VCR/DVR OUT S VCR/DVR OUT V VCR/DVR OUT L/R Signal flow VIDEO IN VCR or DVD recorder S-Video input Composite video input Analog audio L/R input Picture quality Better Standard -- Connecting a Camcorder, Games Console, or Other Device Step 1: Make the video connection A. Step 2: Make the audio connection a. MASTER VOLUME TUNING PRESET a SETUP ENTER RETURN AUX INPUT SETUP MIC VIDEO L AUDIO R AUX INPUT L AUDIO R TUNING MODE L AUDIO R OUT A AUX INPUT VIDEO VIDEO OUT Camcorder, games console, etc.

Connection A a AV receiver AUX INPUT VIDEO AUX INPUT L-AUDIO-R Signal flow Camcorder or console Composite video output Analog audio L/R output 30 Connecting Your Components--Continued Connecting a Satellite, Cable, Set-top box, or Other Video Source Hint! With this hookup, you can use your satellite or cable receiver to listen to your favorite TV programs via the AV receiver, useful if your TV has no audio outputs. Step 1: Choose a video connection from A, B, and C. You must connect the AV receiver to your TV via the same type of connection. Step 2: Choose an audio connection from a, b, and c. · With connection a, you can listen to and record audio from the video source and listen via speaker set B. · To enjoy Dolby Digital and DTS, use connection b or c. (For recording, use a and b, or a and c.) Connection A B C a b c AV receiver COMPONENT VIDEO CBL/SAT IN CBL/SAT IN S CBL/SAT IN V CBL/SAT IN L/R DIGITAL IN COAXIAL 2 DIGITAL IN OPTICAL 1 Signal flow Video source Component video output S-Video output Composite video output Analog audio L/R output Digital coaxial output Digital optical output Picture quality Best Better Standard HDMI IN 2 IN 1 OUT SIRIUS XM ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN ASSIGNABLE b COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD C MONITOR OUT V (CBL/SAT) V S OPTICAL (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT c A COMPONENT VIDEO (CD) IN IN IN IN 2 IN IN FRONT B SURROUND SPEAKERS PRE OUT FRONT SPEAKERS SURROUND CENTER L L L L SUB WOOFER R REMOTE CONTROL R R SUB WOOFER R CD TAPE CBL/SAT VCR/DVR DVD a L COAXIAL OUT OPTICAL OUT Y PB PR COMPONENT VIDEO OUT AUDIO OUT R S VIDEO OUT VIDEO OUT Connect one or the other Connection c must be assigned (see page 41) Satellite, cable, set-top box, etc. 31 Connecting Your Components--Continued Connecting a CD Player or Turntable CD Player or Turntable (MM) with Built-in Phono Preamp Step 1: Choose a connection that matches your CD player (a, b, or c). Use connection a for a turntable with a built-in phono preamp.

b Connect one or the other Connection b must be assigned (see page 41) HDMI SIRIUS XM COAXIAL IN 2 IN 1 OUT ASSIGNABLE ANTENNA FM 75 AM DIGITAL IN IN L L R CD SURROUND CENTER 2 (CBL/SAT) ASSIGNABLE COAXIAL 1 (DVD) Y CBL/SAT 2 CB/PB VCR/DVR DVD MONITOR OUT V (CBL/SAT) V S c OPTICAL R OPTICAL 2 (CD) (VCR/DVR) 1 CR/PR CBL/SAT IN VCR/DVR IN DVD IN OUT OUT S IN IN OUT OUT COMPONENT VIDEO (CD) IN IN IN FRONT 2 IN IN AUDIO OUTPUT IN L REMOTE CONTROL L L L L R R SUB WOOFER R a CD TAPE CBL/SAT VCR/DVR DVD R CD a R COAXIAL OUT L OPTICAL OUT AUDIO OUT CD player Turntable (MM) with built-in phono preamp · With connection a, you can listen to and record audio from your CD player or turntable and listen via speaker set B.



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