



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO HT-R430. You'll find the answers to all your questions on the ONKYO HT-R430 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-R430  
User guide ONKYO HT-R430  
Operating instructions ONKYO HT-R430  
Instructions for use ONKYO HT-R430  
Instruction manual ONKYO HT-R430

**ONKYO®**

6.1ch Home Theater System

## HT-S680

AV Receiver (HT-R430)  
Front Speakers (SKF-330F L/R)  
Center Speaker (SKC-330C)  
Surround Speakers (SKM-330S L/R)  
Surround Back Speaker (SKB-330)  
Powered Subwoofer (SKW-420)

**Instruction Manual**

Thank you for purchasing an Onkyo 6.1ch 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 6.1ch Home Theater System. Please retain this manual for future reference.

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**Manual abstract:**

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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 230 V, 50 Hz or AC 120 V, 60 Hz). Some models have a voltage selector switch for compatibility with power systems around the world. Before you plug in such a model, make sure that the voltage selector is set to the correct voltage for your area. Setting the [STANDBY/ON] switch to STANDBY 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.



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*.52 Audio .....*

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*.52 Video .....*

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*.53 Tuner .....*

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*.53 Remote Controller .....*

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*...54 Others .....*

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*...54 Specification .....*

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Specifications and operation are the same regardless of color. Center speaker (SKC-330C) 6 Before Using the AV receiver Installing the Batteries Using the Remote Controller To use the remote controller, point it at the AV receiver's remote control sensor, as shown below. Remote control sensor AV receiver 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. Notes: · The remote controller may not work reliably if the AV receiver is subjected to bright light, such as direct sunlight or inverter-type fluorescent lights.

Keep this in mind when installing. · If another remote controller of the same type is used in the same room, or the AV receiver is installed close to equipment that uses infrared rays, the remote controller may not work reliably. · Don't put anything, such as a book, on the remote controller, because the buttons may be pressed inadvertently, thereby draining the batteries. · The remote controller may not work reliably if the AV receiver is installed in a rack behind colored glass doors. Keep this in mind when installing.

· The remote controller will not work if there's an obstacle between it and the AV receiver's remote control sensor. Notes: · The batteries should last for about six months, although this will vary with usage. · If the remote controller doesn't work reliably, try replacing the batteries. · Don't mix new and old batteries or different types of batteries. · If you intend not to use the remote controller for a long time, remove the batteries to prevent damage from leakage or corrosion. · Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion. 7 Front & Rear Panels Front Panel 1 2 3 4 5 6 7 8 9 J K L TUNING / PRESET M MASTER VOLUME STANDBY/ON ENTER STANDBY A SPEAKERS B TONE + STEREO LISTENING MODE DISPLAY DIGITAL INPUT DIMMER MEMORY TUNING MODE RETURN SETUP CLEAR PHONES MULTI CH DVD VIDEO 1/VCR VIDEO 2 VIDEO 3 TAPE TUNER CD NO P Q R S For detailed information, see the pages in parentheses. L Arrow/TUNING/PRESET & ENTER buttons When the AM or FM input source is selected, the TUNING [ ] [ ] buttons are used to tune the tuner, and the PRESET [ ] [ ] buttons are used to select radio presets (see page 37). When the 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 setup menus.

A STANDBY/ON button (32) This button is used to set the AV receiver to On or Standby. B STANDBY indicator (32) This indicator lights up when the AV receiver is in Standby mode, and it flashes while a signal is being received from the remote controller. C Remote-control sensor (7) This sensor receives control signals from the remote controller. M MASTER VOLUME control (34) This control is used to adjust the volume of the AV receiver to MIN, 1 through 79, or MAX D STEREO button (40) This button is used to select the Stereo listening mode. N PHONES jack (39) This 1/4-inch phone jack is for connecting a standard pair of stereo headphones for private listening. E LISTENING MODE [ ] [ ] buttons (40) These buttons are used to select the listening modes. O SPEAKER A & B buttons (34) These buttons are used to turn speaker sets A and B on or off. F Display See "Display" on page 9. P TONE, [ ] & [ + ] buttons (38) These buttons are used to adjust the bass and treble. G DISPLAY button (35) This button is used to display various information about the currently selected input source.

Q Input selector buttons (34) These buttons are used to select from the following input sources: MULTI CH, DVD, VIDEO 1/VCR, VIDEO 2, VIDEO 3, TAPE, TUNER, or CD. The [MULTI CH] button selects the DVD analog multichannel input. H DIGITAL INPUT button (33) This button is used to assign the digital inputs and to specify the format of digital input signals. I DIMMER button (38) This button is used to adjust the display brightness. R RETURN button This button is used to return to the previously displayed setup menu.

J MEMORY button (37) This button is used when storing or deleting radio presets. S SETUP button This button is used to access various settings. K TUNING MODE button (36) This button is used to select the Auto or Manual tuning mode. 8 Front & Rear Panels--Continued Display 1 2 3 4 5 For detailed information, see the pages in parentheses. 6 5 SLEEP indicator (39) This indicator lights up when the Sleep function has been set.

1 A & B speaker indicators (34) Indicator A lights up when speaker set A is on. Indicator B lights up when speaker set B is on. 6 Message area This area of the display shows various information about the currently selected source. 2 MUTING indicator (38) This indicator flashes when the AV receiver is muted. 3 Source/listening mode indicators (42) These indicators show the currently selected listening mode and digital audio format. 4 Tuning indicators (36) TUNED (36): This indicator lights up when the AV receiver is tuned to a radio station. AUTO (36): This indicator lights up when Auto Tuning is selected and disappears when Manual Tuning is selected. MEMORY (37): This indicator lights up when presetting radio stations. FM STEREO (36): This indicator lights up when the AV receiver is tuned to a stereo FM station. 9 Front & Rear Panels--Continued Rear Panel 1 B 3 4 5 6 7 8 9 J K L M N O A DIGITAL IN OPTICAL & COAXIAL These optical and coaxial jacks can be used to connect a CD or DVD player and other components with digital audio outputs.

jacks can be used to connect a VCR. The VIDEO 2 IN jack can be used to connect another video source (e.g., cable TV, satellite TV, or a set-top-box). 1 CD IN These analog inputs can be used to connect a CD player with analog outputs. B AM ANTENNA These push terminals are for connecting an AM antenna. J TAPE IN/OUT These analog inputs and outputs can be used to connect a cassette recorder, MiniDisc recorder, or other recorder with analog inputs and outputs. C FM ANTENNA This jack is for connecting an FM antenna. D VIDEO MONITOR OUT This composite video jack can be connected to a composite video input on your TV or projector. K S VIDEO MONITOR OUT This S-Video jack can be connected to an S-Video input on your TV or projector. E FRONT SPEAKERS B These push terminals are for connecting speaker set B. L VIDEO 1 IN/OUT, VIDEO 2 IN & VIDEO 3 IN The VIDEO 1 IN/OUT jacks can be used to connect a VCR. The VIDEO 2 IN and VIDEO 3 IN jacks can be used to connect other video sources (e.



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g., cable TV, satellite TV, or a set-top-box).

**F FRONT SPEAKERS A, SURROUND SPEAKERS, CENTER SPEAKER & SURROUND BACK SPEAKER** These push terminals are for connecting speaker set A. **M DVD IN** The FRONT, SURROUND, CENTER, and SUBWOOFER jacks can be used to connect a component with an analog multichannel audio output, such as a DVD player with a 5.1-channel analog output. The composite video input can be connected to the composite video output on a DVD player.

**G** This (Remote Interactive) jack can be connected to the jack on another Onkyo component.

The AV receiver's remote controller can then be used to control that component. To use, you must make an analog audio connection (RCA) between the AV receiver and the other component, even if they are connected digitally. Note: can only be used with Onkyo components. **N SUBWOOFER PRE OUT A** powered subwoofer can be connected here. **O AC OUTLET** This switched AC outlet can be used to supply power to another component. The connector type depends on the country in which you purchased your AV receiver. See pages 1731 for connection information. **H S VIDEO DVD IN, VIDEO 1 IN/OUT & VIDEO 2 IN** The DVD IN jack can be connected to an S-Video output on a DVD player. The VIDEO 1 IN/OUT 10 Speaker Package Front, Center, Surround, & Subwoofer speakers (SKF-330F, SKC-330C, SKM-330S, SKB-330, SKW-420) Rear SKF-330F SKM-330S SKB-330 A Speaker terminals These push terminals are for connecting the speaker to the HT-R430 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. **2 B Keyhole slots** These keyhole slots can be used to wall-mount the speaker. See page 19 for mounting instructions. **C Speaker mount/bracket inserts** These threaded inserts can be used to attach the speaker to a speaker mount or bracket.

See page 19 for mounting instructions. **3 2 SKC-330C 1 2 Note:** Use commercially available machine screws to attach the speaker to a speaker mount or bracket. North American models require 1/4-inch screws. Other models require M5 (5 mm) screws. **D OUTPUT LEVEL control** This control is used to adjust the volume of the subwoofer. **E STANDBY/ON indicator** Red: Subwoofer in standby mode Green: Subwoofer on With the Auto Standby function, the SKW-420 automatically turns on when an input signal is detected in Standby mode.

When there's no input signal for about 20 minutes, the SKW-420 automatically enters Standby mode. **3 SKW-420 1 F POWER switch** (Not North American model) To turn on the SKW-420, set the POWER switch to the ON position (the indicator light up). To turn off the SKW-420, set the POWER switch to the OFF position (the indicator goes out). **OUTPUT LEVEL LINE INPUT G LINE INPUT** This RCA input should be connected to the SUBWOOFER PREOUT on your HT-R430 AV receiver, amp, or other 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 your receiver or amp (see page 47). **MIN MAX RED : STANDBY GREEN : ON 45 67 To AC outlet 11 Remote Controller** How to Use the Remote Controller Including the AV receiver, the remote controller can be used to control up to six different components. The remote controller has a specific operating mode for use with each type of component. Modes are selected by using the five REMOTE MODE buttons. **RECEIVER/TAPE Mode** In RECEIVER/TAPE mode, you can control the AV receiver and an Onkyo cassette recorder connected via.

**DVD, CD, MD, & CDR Modes** With these modes, you can control an Onkyo DVD player and CD/MD/CDR player/recorder. **DVD RECEIVER Mode** RECEIVER mode is used to control the AV receiver. To set the remote controller to RECEIVER mode, press the [RECEIVER] REMOTE MODE button. **A ON STANDBY REMOTE MODE RECEIVER RECEIVER TAPE/AMP B C D 1 V1 DVD INPUT SELECTOR 2 V2 3 V3 CD 4 7 5 MULTI CH 6 DVD MD M N 8 TUNER 9 CD CDR CD TAPE +10 MD 0 DIMMER CLR SLEEP E F --/-- CDR DISC CH VOL O P TOP MENU MENU 1 2** Use the REMOTE MODE buttons to select a mode. Use the buttons supported by that mode to control the component. **RECEIVER mode:** see page 12 **DVD mode:** see page 14 **CD/MD/CDR mode:** see page 15 **TAPE mode:** see page 16 **G SP A / B MUTING H I RETURN ENTER Q SETUP Note:** Some of the remote controller operations described in this manual may not work as expected with other components. **J K L LISTENING MODE STEREO SURROUND AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY OR-EQ L NIGHT CINE FLTR LEVELLEVEL+ R S T RC-606S 12 Remote Controller--Continued** For detailed information, see the pages in parentheses. **O VOL [ ]/[ ] button (34)** This button can be used to adjust the volume of the AV receiver regardless of the currently selected remote controller mode. **A STANDBY button (32)** This button is used to set the AV receiver to Standby. **B ON button (32)** This button is used to turn on the AV receiver.

**C INPUT SELECTOR buttons (34)** These buttons are used to select the input sources. **P MUTING button (38)** This button is used to mute the AV receiver. **Q SETUP button** This button is used to access various settings. **R CINE FLTR button (45)** This button is used to set the CinemaFILTER function. **D MULTI CH button (35)** This button is used to select the multichannel DVD input. **S L NIGHT button (45)** This button is used to set the Late Night function. **E DIMMER button (38)** This button is used to adjust the display brightness. **F CH +/- button (37)** This button is used to select radio presets. **G SP A/B button (34)** This button is used to turn speaker sets A and B on or off. **T OR-EQ button (38)** This button is used to turn on the OptiResponse equalizer, which optimizes performance when the HT-R430 is used with the speakers included in the HTP-430 Home Theater Speaker Package.

When the OptiResponse equalizer is on, you can enjoy a powerful sound with movies or music with small volume. **H Arrow [ ]/[ ]/[ ] & ENTER buttons** These buttons are used to select and adjust settings. **I RETURN button** This button is used to return to the previous display when changing settings. **J LISTENING MODE buttons (40)** These buttons can be used to select listening modes regardless of the currently selected remote controller mode. **STEREO button** This button selects the Stereo listening mode.

**SURROUND button** This button selects the Dolby and DTS listening modes. **[ ]/[ ] buttons** These buttons can be used to select any of the available listening modes. **K TEST TONE, CH SEL, LEVEL- & LEVEL+ buttons (32)** These buttons are used to adjust the level of each speaker. **L DISPLAY button (35)** This button is used to display various information about the currently selected input source.



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*M REMOTE MODE buttons (12) These buttons are used to select the remote controller modes.*

*When you press a button on the remote controller, the REMOTE MODE button for the currently selected mode lights up. N SLEEP button (39) This button is used to set the Sleep function. 13 Remote Controller--Continued DVD Mode To set the remote controller to DVD mode, press the [DVD] REMOTE MODE button. Before selecting DVD mode and starting playback, you should press the [RECEIVER] mode button followed by the [DVD] INPUT SELECTOR button to select the DVD player as the input source. A STANDBY button This button sets the DVD player to Standby. B ON button This button is used to turn on the DVD player. C Number buttons These buttons are used to enter title, chapter, and track numbers and to enter times for locating specific points in time. D DISC +/- button This button selects discs on a DVD changer. E TOP MENU button This button is used to select a DVD's top menu. F Arrow [ ]/[ ]/[ ]/[ ] & ENTER buttons A ON STANDBY REMOTE MODE These buttons are used to navigate DVD menus and the DVD player's onscreen setup menus.*

*RECEIVER TAPE/AMP B C 1 V1 DVD DVD G RETURN button This button is used to exit the DVD player's onscreen setup menu and to restart menu playback. INPUT SELECTOR 2 V2 3 V3 CD H Playback buttons MD CDR 4 7 TAPE 5 MULTI CH 6 DVD 8 TUNER 9 CD From left to right: Pause, Play, Stop, Fast Reverse, Fast Forward, Previous, and Next. I SUBTITLE button +10 --/-- 0 DIMMER CLR SLEEP L VOL This button is used to select subtitles. J AUDIO button This button selects foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS). D TOP MENU DISC CH K DISPLAY button MENU E SP A / B MUTING M ENTER F G RETURN This button is used to display information about the current disc, title, chapter, or track on the DVD player's display, including the elapsed time, remaining time, total time, and so on. N SETUP L CLR button This button is used to cancel functions and to clear entered numbers. H LISTENING MODE STEREO SURROUND M MENU button This button is used to display a DVD's menu. N SETUP button I J K AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY OR-EQ L NIGHT CINE FLTR LEVELLEVEL+ O P Q This button is used to access the DVD player's onscreen setup menus.*

*O RANDOM button This button is used with the random playback function. P REPEAT button This button is used to set the repeat playback functions. RC-606S Q PLAY MODE button This button is used to select play modes on a component with selectable play modes. 14 Remote Controller--Continued CD, MD, & CDR Mode To set the remote controller to CD, MD, or CDR mode, press the [CD], [MD], or [CDR] REMOTE MODE button. Before selecting a mode and starting playback, you should press the [RECEIVER] mode button followed by the [CD] or [TAPE] INPUT SELECTOR button to select the CD player, MiniDisc, or CD recorder as the input source.*

*A STANDBY button This button sets the CD player or MD/CD recorder to Standby. B ON button This button is used to set the CD player or MD/CD recorder to On or Standby. C Number buttons These buttons are used to enter track numbers and to enter times for locating specific points in time. D DISC +/- button This button selects discs on a CD changer. E Playback buttons A ON STANDBY REMOTE MODE From left to right: Pause, Play, Stop, Fast Reverse, Fast Forward, Previous and Next.*

*F DISPLAY button This button is used to display information about the current disc or track on the CD player or MD/CD recorder's display, including the elapsed time, remaining time, total time, and so on. B C 1 V1 RECEIVER TAPE/AMP DVD INPUT SELECTOR 2 V2 3 V3 CD CD MD CDR 4 7 TAPE 5 MULTI CH 6 DVD MD G CLR button This button is used to cancel functions and to clear entered numbers. 8 TUNER 9 CD CDR +10 --/-- 0 DIMMER CLR SLEEP G VOL H RANDOM button This button is used with the random playback function. D TOP MENU DISC CH I REPEAT button This button is used to set the repeat playback functions. MENU SP A / B MUTING J PLAY MODE button This button is used to select play modes on a component with selectable play modes. ENTER RETURN SETUP E LISTENING MODE STEREO SURROUND AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY OR-EQ L NIGHT CINE FLTR LEVELLEVEL+ 8 9 J F RC-606S 15 Remote Controller--Continued TAPE Mode TAPE mode is used to control an Onkyo cassette recorder connected to the AV receiver via . To set the remote controller to TAPE mode, press the [RECEIVER] REMOTE MODE button. Before selecting TAPE mode and starting playback, you should press the [RECEIVER] REMOTE MODE button followed by the [TAPE] INPUT SELECTOR button to select your cassette recorder as the input source. A Play [ ] button This button is used to start playback. B Stop [ ] button This button is used to stop playback.*

*C Reverse Play [ ] button This button is used to start reverse playback. D Rewind & FF [ ]/[ ] buttons The Rewind [ ] button is used to start rewind. The FF [ ] button is used to start fast forward. For twin cassette decks, only deck B can be controlled. ON STANDBY REMOTE MODE RECEIVER RECEIVER TAPE/AMP DVD INPUT SELECTOR 1 V1 2 V2 3 V3 CD 4 7 TAPE 5 MULTI CH 6 DVD MD 8 TUNER 9 CD CDR +10 --/-- 0 DIMMER CLR SLEEP DISC CH VOL TOP MENU MENU SP A / B MUTING ENTER RETURN SETUP A B C D LISTENING MODE STEREO SURROUND AUDIO SUBTITLE RANDOM REPEAT TEST TONE CH SEL PLAY MODE DISPLAY OR-EQ L NIGHT CINE FLTR LEVELLEVEL+ RC-606S 16 Connecting Speakers Enjoying Home Theater You can use two sets of speakers with the AV receiver: speaker set A and speaker set B. Speaker set A should be installed in your main listening room and can be used with Dolby Digital and DTS surround material. Each speaker must be positioned at a specific location in your listening room to get the best from surround sound material. The following illustration shows the best positions for your surround-sound speakers. When speaker set B is turned on, speaker set A is reduced to 2.1-channel playback.*

*If the multichannel DVD input is selected, and speaker set B is turned on, speaker set A is reduced to 2-channel playback. Speaker set B can be installed in another room. Speakers can be positioned in the standard position for stereo speakers or however you like. Front left and right speakers (SKF-330F L/R)*

*These output the overall sound. Their role in a home theater is to provide a solid anchor for the sound image.*

*They should be positioned facing the listener at about ear level, and equidistant from the TV.*



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Angle them inward so as to create a triangle, with the listener at the apex. Surround back speaker (SKB-330) This speaker further enhances the realism of surround sound and improves sound localization behind the listener. It's essential to enjoy certain listening modes (i.e. , Dolby Digital EX and DTS-ES). Position it behind the listener about 2 3 feet (60100 cm) above ear level. Make sure that the listening position is within the range of the speaker. Center speaker (SKC-330C) This speaker enhances the front left and right speakers, making sound movements distinct and providing a full sound image. In movies it's used mainly for dialog. Position it close to your TV (preferably on top) facing forward at about ear level, or at the same height as the front left and right speakers. Subwoofer (SKW-420) The subwoofer handles the bass sounds of the LFE (Low-Frequency Effects) channel. The volume and quality of the bass output from your subwoofer will depend on its position, the shape of your listening room, and your listening position. In general, a good bass sound can be obtained by installing the subwoofer in a front corner, or at one-third the width of the wall, as shown. Corner Surround left and right speakers (SKM-330S L/R) These speakers are used for precise sound positioning and to add realistic ambience.

Position them at the sides of the listener, or slightly behind, about 23 feet (60100 cm) above ear level. Ideally they should be equidistant from the listener. 1/3 wall length To get the very best from your surround-sound system, you should also specify the distance between the listener and each individual speaker so that the sound from each speaker arrives at the listener's ears at the same time (see page 46). In addition, you should set the level of each individual speaker to achieve an equal balance (see page 47.) 17 Connecting Speakers--Continued Speaker Connection Precautions Read the following before connecting your speakers: · You can connect speakers with an impedance of 8 ohms or higher. If you use speakers with a lower impedance, and use the amplifier at high volume levels for a long period of time, the built-in protection circuit may be activated. · 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 one speaker to several terminals. Connecting Speaker The AV receiver's positive (+) speaker 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 Surround back Color White Red Green Blue Gray Brown 1 Strip 3/8" (10 mm) of insulation from the ends of the speaker cables.

(Supplied speaker cables are already stripped.) While pressing the lever, insert the wire into the hole, and then release the lever. Make sure that the terminals are gripping the bare wires, not the insulation. 3/8" (10 mm) 2 3 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. Note: When speaker set B is turned on, speaker set A is reduced to 2.1-channel playback. The following illustration shows which speaker should be connected to each pair of terminals. Brown White Gray Blue Green Red Surround back speaker Surround right speaker Surround left speaker Center speaker Front right speaker Front left speaker Powered subwoofer 18 Connecting Speakers--Continued 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 spacers to the keyhole fins on the rear of each speaker.

To mount the front or surround speakers vertically, use the keyhole slot shown to hang each speaker on a screw that's securely screwed into the wall. Front speaker (SKF-330F) Surround speakers (SKM-330S) Surround back speaker (SKB-330) Keyhole slot for wall mounting Using Speaker Mounts/Brackets Threaded inserts for machine screws are provided on the rear of each speaker for wall-mounting with commercially available speaker mounts or brackets. North American models require 1/4-inch screws. Other models require M5 (5 mm) screws. Refer to the manual supplied with your mounts or brackets for installation details. Threaded insert To mount the center speaker horizontally, use the two keyhole slots shown to hang each speaker on two screws that are securely screwed into the wall. Center speaker (SKC-330C) Keyhole slots for wall mounting Note: The portion of the screw that goes into the speaker's threaded insert should be between 1/4" 5/16" (5 mm 8 mm) long. Mount or bracket 1/4" (North American model) 5 mm (Other models) 1/4" 3/8" (5 mm) (8 mm) Using Rubber Stoppers with the Speakers 5-7/8" (150 mm) 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 5/16" (9 mm) or less and a shank diameter of 1/8" (4 mm) 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 Wall 5/16" (7 mm) and 7/16" (10 mm) between the wall and the base of the screw head, as shown. (We recommend that you consult a home 5/16" 7/16" (7 mm) (10 mm) installation professional.) We recommend using the provided rubber stoppers to achieve the best possible sound from your speakers.

The rubber stoppers prevent the speakers from moving, providing a more stable setup. Rubber stoppers Bottom of the SKF-330F/ SKM-330S/ SKB-330 3" (75 mm) Bottom of the SKC-330C 7" (175 mm) 19 Connecting Antenna This section explains how to connect the supplied indoor FM antenna and AM loop antenna, and how to connect commercially available outdoor FM and AM antennas. The AV receiver won't pick up any radio signals without any antenna connected, so you must connect the antenna to use the tuner.



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*AM antenna push terminals FM antenna jack 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.*

*2 Connecting the Indoor FM Antenna The supplied indoor FM antenna is for indoor use only. 1 Attach the FM antenna, as shown. North American Model Connect both wires of the AM loop antenna to the AM push terminals, as shown. (The antenna's wires are not polarity sensitive, so they can be connected either way around). Make sure that the wires are attached securely and that the push terminals are gripping the bare wires, not the insulation. Push Insert wire Release Insert the plug fully into the jack. Other Models Insert the plug fully into the jack. 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 21).*

*Once your AV receiver is ready for use, you'll need to tune into an FM radio station and adjust the position of the FM antenna to achieve the best possible reception. 2 Fully extend the antenna and point it in various directions to find the best reception. Secure it in that position with thumbtacks or something similar. If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead (see page 21).*

*20 Connecting Antenna--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 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 outside horizontally, but good results can sometimes be obtained indoors by mounting horizontally above a window. Note that the AM loop antenna should be left connected.*

*Outdoor antenna must be grounded in accordance with local regulations to prevent electrical shock hazards. TV/FM antenna splitter To AV receiver To TV (or VCR) 21 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 jack has shutter-type cover that open when an optical plug is inserted and close when it's removed. Push plugs in all the way. Caution: To prevent shutter damage, hold the optical plug straight when inserting and removing. · Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions). · To prevent interference, keep audio and video cables away from power cords and speaker cables. Wrong! AV Cables & Jacks Video Cable*

*Jack Description S-Video cable S-Video separates the luminance and color signals and provides better picture quality than composite video. Composite video is commonly used on TVs, VCRs, and other video equipment. Use only dedicated composite video cables.*

*Composite video cable V Audio Cable Optical digital audio cable Jack OPTICAL Description Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for coaxial. Offers the best sound quality and allows you to enjoy surround sound (e.g., Dolby Digital, DTS). The audio quality is the same as for optical. This cable carries analog audio. It's the most common connection format for analog audio and can be found on virtually all AV components.*

*This cable carries multichannel analog audio and is typically used to connect DVD players with a 5.1 channel analog audio output. Several standard analog audio cables can be used instead of a multichannel cable. Coaxial digital audio cable COAXIAL Analog audio cable (RCA) L R Multichannel analog audio cable (RCA) 22 Connecting Your Components--Continued Connecting Both Audio & Video By connecting both the audio and video outputs of your DVD player and other AV components to the AV receiver, you can select both the audio and video simultaneously simply by selecting the appropriate input source on the AV receiver. · Signal Flow Video Audio Video Audio TV, projector, etc.*

*DVD player, etc. Speakers (see page 18 for connection information) Which Connections Should I Use? The AV receiver supports several connection formats for compatibility with a wide range of AV equipment. The format you choose will depend on the formats supported by your other components. Use the following sections as a guide. For video components, such as a DVD player, you must make two connections--one for audio, one for video.*

*Video Connection Formats Video equipment can be connected to the AV receiver using one of the following video connection formats: composite video or S-Video, the latter offering the best picture quality. 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.*



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For example, if you connect your DVD player to the S-VIDEO DVD IN, a video signal will be output by the S-VIDEO MONITOR OUT (for your TV) and the S-VIDEO VIDEO 1 OUT (for your VCR), but not by any composite video output. Video Input/Output Diagram Audio Connection Formats Audio equipment can be connected to the AV receiver using the following audio connection formats: analog, optical, coaxial, and multichannel. When choosing a connection format, bear in mind that the AV receiver doesn't convert between formats. For example, audio signals connected to an OPTICAL or COAXIAL digital input are not output by the analog TAPE OUT, so if you want to record from, for example, your CD player, in addition to connecting it to a digital input, you must also connect it to the analog CD IN. Audio Input/Output Diagram for Recording CD player, etc. Output Optical Coaxial Analog DVD player, etc. Output IN AV Receiver OUT Input TV, projector, etc. Composite S-Video Composite S-Video Multichannel IN AV Receiver OUT Composite S-Video Optical Coaxial Analog Multichannel Input Cassette recorder, etc.

Analog 23 Connecting Your Components--Continued Connecting a TV or Projector Step 1: Video Connection Choose a connection type ( A or B ) that matches the TV, and then make the connection. VIDEO MONITOR OUT B S VIDEO MONITOR OUT A TV, projector, etc. S VIDEO IN VIDEO IN Connection A B HT-R430 S VIDEO MONITOR OUT VIDEO MONITOR OUT Signal flow TV S-Video input Composite video input Picture quality Better Standard Step 2: Audio Connection Choose a connection type ( a , b , or c ) that matches the TV, and then make the connection. Connect one or the other b DIGITAL IN COAXIAL IN L a c OPTICAL R VIDEO 2 COAXIAL OUT L OPTICAL OUT TV, projector, etc. R AUDIO OUT · With the basic a connection, you can listen to or record audio from the TV. · To enjoy Dolby and DTS listening modes, use connection b or c . (Use a and b or a and c for recording.) Connection a b c HT-R430 VIDEO 2 IN L/R DIGITAL IN COAXIAL DIGITAL IN OPTICAL Signal flow TV Analog audio L/R output Digital coaxial output Digital optical output Hint! If your TV has no audio outputs, connect your VCR to the AV receiver and use its tuner. 24 Connecting Your Components--Continued Connecting a DVD player Step 1: Video Connection Choose a connection type ( A or B ) that matches the DVD player, and then make the connection. VIDEO DVD IN B The TV must be connected to the AV receiver with the same type of connection.

S VIDEO DVD IN A S VIDEO OUT DVD player VIDEO OUT Connection A B HT-R430 S VIDEO DVD IN VIDEO DVD IN Signal flow DVD player S-Video output Composite video output Picture quality Better Standard Step 2: Audio Connection Choose a connection type ( a , b , c , or d ) that matches your DVD player, and then make the connection. b Connect one or the other DIGITAL IN d FRONT SURROUND CENTER L COAXIAL c OPTICAL FRONT L R DVD R DVD SUB WOOFER a FRONT L SURR CENTER COAXIAL OUT L R R SUB WOOFER OPTICAL OUT AUDIO OUT DVD player · With the basic a connection, you can listen to or record audio from a DVD. · To enjoy Dolby and DTS listening modes, use connection b or c . (Use a and b or a and c for recording.) · To enjoy DVD-Audio or SACD playback from a compatible DVD player with an analog multichannel output, use connection d .

Connection a b c d HT-R430 DVD IN FRONT DIGITAL IN COAXIAL DIGITAL IN OPTICAL 1 DVD IN FRONT, SURROUND, CENTER, and SUBWOOFER Signal flow DVD player Analog audio L/R output Digital coaxial output Digital optical output Analog multichannel output · 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 . 25 Connecting Your Components--Continued Connecting a VCR or DVD Recorder for Playback In addition to video playback, with this hookup example, you can use the VCR's tuner to listen to the sound of your favorite TV programs via the AV receiver. This is useful if the TV has no audio outputs. Step 1: Video Connection Choose a connection type ( A or B ) that matches the VCR/DVD recorder, and then make the connection. The TV must be connected to the AV receiver with the same type of connection.

VIDEO VIDEO 1 IN B S VIDEO VIDEO 1 IN A S VIDEO OUT VCR, DVD recorder Connection A B HT-R430 S VIDEO VIDEO 1 IN VIDEO VIDEO 1 IN VIDEO OUT Signal flow VCR/DVD recorder S-Video output Composite video output Picture quality Better Standard Step 2: Audio Connection Choose a connection type ( a , b , or c ), and then make the connection. b Connect one or the other DIGITAL IN COAXIAL IN L c a OPTICAL R VIDEO 1 COAXIAL OUT L R OPTICAL OUT AUDIO OUT VCR, DVD recorder · With the basic a connection, you can listen to the VCR/DVD recorder. · To enjoy Dolby and DTS listening modes, use connection b or c . (Use a and b or a and c for recording.) Connection a b c HT-R430 VIDEO 1 IN L/R DIGITAL IN COAXIAL DIGITAL IN OPTICAL Signal flow VCR/DVD recorder Analog audio L/R output Digital coaxial output Digital optical output 26 Connecting Your Components--Continued Connecting a VCR or DVD Recorder for Recording Step 1: Choose a video connection type ( A or B ) that matches the VCR/DVD recorder, and make the connection. The video source that you want to record must be connected to the AV receiver with the same type of connection. Step 2: Make audio connection a . VIDEO VIDEO 1 B a L R VIDEO 1 S VIDEO VIDEO 1 A L R AUDIO IN S VIDEO IN VCR, DVD recorder VIDEO IN Connection A B a HT-R430 S VIDEO VIDEO 1 OUT VIDEO VIDEO 1 OUT VIDEO 1 OUT L/R Signal flow VCR/DVD recorder S-Video input Composite video input Audio L/R input Picture quality Better Standard -- Connecting a Camcorder, Games Console, or Other Device Step 1: Make video connection A . Step 2: Make audio connection a . VIDEO 3 IN L a R L AUDIO R OUT VIDEO 3 IN A VIDEO OUT Camcorder, games console, etc.

Connection A a HT-R430 VIDEO 3 IN VIDEO 3 IN L/R Signal flow Camcorder/console Composite video output Analog audio L/R output 27 Connecting Your Components--Continued Connecting a Satellite, Cable, Set-top box, or Other Video Source Step 1: Video Connection Choose a connection type ( A or B ) that matches the video source, and then make the connection. VIDEO VIDEO 2 IN B The TV must be connected to the AV receiver with the same type of connection. S VIDEO VIDEO 2 IN A S VIDEO OUT Satellite, cable, set-top box, etc. VIDEO OUT Connection A B HT-R430 S VIDEO VIDEO 2 IN VIDEO VIDEO 2 IN Signal flow Video source S-Video output Composite video output Picture quality Better Standard Step 2: Audio Connection Choose a connection type ( a , b , or c ) that matches the video source, and then make the connection.



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b Connect one or the other DIGITAL IN COAXIAL IN L R a c OPTICAL VIDEO 2 COAXIAL OUT L R OPTICAL OUT Satellite, cable, set-top box, etc. AUDIO OUT · With the basic a connection, you can listen to or record audio from the video source. · To enjoy Dolby and DTS listening modes, use connection b or c. (Use a and b or a and c for recording.) Connection a b c HT-R430 VIDEO 2 IN L/R DIGITAL IN COAXIAL DIGITAL IN OPTICAL Signal flow Video source Analog audio L/R output Digital coaxial output Digital optical output 28 Connecting Your Components--Continued Connecting a CD Player or Turntable CD Player, or Turntable with Built-in Phono Preamp Step 1: Choose a connection type ( a , b , or c ) that matches the CD player, or choose a for a turntable with a built-in phono preamp, and then make the connection. IN DIGITAL IN L R CD OPTICAL IN L R CD L R AUDIO OUTPUT b Connect one or the other COAXIAL c a a COAXIAL OUT L R OPTICAL OUT AUDIO OUT CD player Turntable (MM) with built-in phono preamp · With the basic a connection, you can listen to or record audio from the CD player or turntable.

· To connect the CD player digitally, use connection b or c. (Use a and b or a and c for recording.) Connection a b c HT-R430 CD IN L/R DIGITAL IN COAXIAL DIGITAL IN OPTICAL Signal flow CD or turntable Analog audio L/R output Digital coaxial output Digital optical output Turntable with no Phono Preamp Built-in A phono preamp is necessary to connect a turntable that doesn't have a phono preamp built-in. Turntable with an MC (Moving Coil) Cartridge An MC head amp and phono preamp are necessary to connect a turntable with an MC (Moving Coil) cartridge. IN L R CD AUDIO OUTPUT L R IN AUDIO OUTPUT L R Phono preamp AUDIO INPUT L R AUDIO OUTPUT L R L R CD Phono preamp MC head amp or MC transformer AUDIO OUTPUT L R AUDIO INPUT L R AUDIO OUTPUT L R AUDIO INPUT L R 29 Connecting Your Components--Continued Connecting a Cassette, CDR, MiniDisc, or DAT Recorder Step 1: Choose a connection type ( a , b , or c ) that matches the recorder, and then make the connection.

b Connect one or the other DIGITAL IN COAXIAL OUT IN L a c OPTICAL R TAPE L COAXIAL OUT R OPTICAL OUT R IN OUT REC PLAY L Cassette recorder, CDR, etc. · With the basic a connection, you can play and record with the recorder. · To connect the recorder digitally for playback purposes, use connections a and b or a and c. Connection a b c HT-R430 TAPE IN L/R TAPE OUT L/R DIGITAL IN COAXIAL DIGITAL IN OPTICAL Signal flow Cassette/CDR/MD/DAT recorder Analog audio L/R output Analog audio L/R input Digital coaxial output Digital optical output Connecting the Power Cord of Another Component The AV receiver has an AC outlet on its rear panel for connecting the power cord of another AV component. The other component's power switch can then be left in the ON position so that it turns on or off when the AV receiver is set to On or Standby.

Caution: · Make sure that the capacity of the component that you connect to the AC OUTLET does not exceed the stated capacity (e.g., 100 W). Notes: · Onkyo components with jacks should be connected directly to wall outlets, not the AV receiver's AC OUTLET. · The socket type and capacity will depend on the country in which you purchased the AV receiver. 30 Connecting Your Components--Continued Connecting Onkyo Components Step 1: Be sure that the Onkyo component is connected to the AV receiver with an analog audio cable (RCA). Step 2: Make the With connection. functions: (Remote Interactive) you can use the following special Auto Power On/Standby When you start playback on a component connected via , if the AV receiver is in Standby, it will turn on and select that component as the input source automatically. Similarly, when the AV receiver is set to Standby, all components connected via will also enter Standby. This function will not work if a component's power cord is connected to the AV receiver's AC OUTLET.

Direct Change When playback is started on a component connected via , the AV receiver automatically selects that component as the input source. If the DVD player is connected to the AV receiver's multichannel input, you must press the [MULTI CH] button (see page 35) to listen to all channels because the Direct Change function selects only the DVD IN FRONT jacks. Notes: · Use only cables for connections. cables are supplied with Onkyo players (DVD, CD, etc.). · Some components have two jacks, you can connect either one to the AV receiver. The other is for connecting additional -compatible components. · Connect the AV receiver's jack to only Onkyo components. Connecting to other manufacturer's components may cause them to malfunction. · Some components may not support all functions.

Refer to the manuals supplied with your components. IN L R CD FRONT REMOTE CONTROL L R DVD e.g., CD player R L ANALOG AUDIO OUT e.g., DVD player R L ANALOG AUDIO OUT Connecting the Power Cord Notes: · Before connecting the power cord, connect all of your speakers and AV components. · Turning on the AV receiver may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the AV receiver into a different branch circuit. 31 Turning On STANDBY/ON STANDBY indicator TUNING / PRESET ON STANDBY REMOTE MODE ON RECEIVER MASTER VOLUME RECEIVER TAPE/AMP DVD INPUT SELECTOR 1 V1 2 V2 3 V3 CD 4 STANDBY/ON ENTER 5 MULTI CH 6 DVD MD STANDBY 7 TAPE TONE + STEREO LISTENING MODE DISPLAY DIGITAL INPUT RT/PTY/TP MEMORY TUNING MODE RETURN SETUP 8 TUNER 9 CD CDR A SPEAKERS B +10 --/--CD 0 DIMMER CLR SLEEP CLEAR PHONES MULTI CH DVD VIDEO 1/VCR VIDEO 2 VIDEO 3 TAPE TUNER DISC CH VOL TOP MENU MENU SP A / B MUTING Turning On the AV Receiver 1 AV receiver STANDBY/ON Remote controller Press the [STANDBY/ON] button. Alternatively, press the remote controller's [RECEIVER] button followed by the [ON] button. The AV receiver comes on, the display lights up, and the STANDBY indicator goes off. or To turn the AV receiver off, press the [STANDBY/ON] button, or the remote controller's [STANDBY] button. The AV receiver will enter Standby mode. To prevent any loud surprises the next time you turn on the AV receiver, always turn down the volume before turning it off. @@These settings only need to be made once. Have you connected a component to a digital audio input? @@@@To turn off the test tone, press the [TEST TONE] button again. @@@@With this function, you can assign digital inputs to input sources. @@@@You can change the assignments as follows.



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