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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-SR500E. You'll find the answers to all your questions on the ONKYO TX-SR500E in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ONKYO TX-SR500E
User guide ONKYO TX-SR500E
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ONKYO®

AV Receiver

TX-SR500
TX-SR500E

Instruction Manual

Thank you for purchasing the Onkyo AV Receiver.
Please read this manual thoroughly before making
connections and plugging in the unit.
Following the instructions in this manual will enable
you to obtain optimum performance and listening
enjoyment from your new AV Receiver. Please retain
this manual for future reference.

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... back cover page **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).**

NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Important safeguards 1. Read Instructions All the safety and operating instructions should be read before the appliance is operated. 2. Retain Instructions The safety and operating instructions should be retained for future reference. 3. Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow Instructions All operating and use instructions should be followed. 5. Cleaning Unplug the appliance from the wall outlet before cleaning. The appliance should be cleaned only as recommended by the manufacturer. 6. Attachments Do not use attachments not recommended by the appliance manufacturer as they may cause hazards. 7. Water and Moisture Do not use the appliance near water for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like. 8.

Accessories Do not place the appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the appliance. Any mounting of the appliance **PORTABLE CART WARNING** should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. 9.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven S3125A surfaces may cause the appliance and cart combination to overturn. 10. Ventilation Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the appliance and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the appliance on a bed, sofa, rug, or other similar surface.

The appliance should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 20 cm (8 in.) and an opening behind the appliance. 11. Power Sources The appliance should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. 12. Grounding or Polarization The appliance may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature.

If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug. 13. Power-Cord Protection Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance. 14. Outdoor Antenna Grounding If an outside antenna or cable system is connected to the appliance, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1. 15.

Lightning For added protection for the appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and power-line surges. 16. Power Lines An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. Overloading Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock. 18. Object and Liquid Entry Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.

19. Servicing Do not attempt to service the appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel. 20. Damage Requiring Service Unplug the appliance 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.



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If liquid has been spilled, or objects have fallen into the appliance, C. If the appliance has been exposed to rain or water, D. If the appliance 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 appliance to its normal operation, E.

If the appliance has been dropped or damaged in any way, and F. When the appliance exhibits a distinct change in performance this indicates a need for service. 21. Replacement Parts When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards. 22. Safety Check Upon completion of any service or repairs to the appliance, ask the service technician to perform safety checks to determine that the appliance is in proper operation condition. 23. Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

24.

Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat. 25. Liquid Hazards The appliance shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the appliance. **FIGURE 1: EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA 70 ANTENNA LEAD IN WIRE GROUND CLAMP ANTENNA DISCHARGE UNIT (NEC SECTION 810-20) ELECTRIC SERVICE EQUIPMENT GROUNDING CONDUCTORS (NEC SECTION 810-21) GROUND CLAMPS NEC NATIONAL ELECTRICAL CODE S2898A POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H) Precautions For British models Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. IMPORTANT The wires in the mains lead are coloured in accordance with the following code: Blue: Neutral Brown: Live As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.**

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. IMPORTANT A 5 ampere fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amperes and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse. **IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.**

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMPERE SOCKET. If in any doubt, consult a qualified electrician. For U.S. models Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Section 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. FCC Information for User CAUTION: The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna. · Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/TV technician for help. For European models Declaration of Conformity We, ONKYO EUROPE ELECTRONICheater Systems, Inc. All Rights reserved. Supplied accessories Check that the following accessories are supplied with the TX-SR500/TX-SR500E. The following accessories may be available depending on the area which it was purchased. AM loop antenna × 1 FM indoor antenna × 1 (Connector will vary depending on the area which it was purchased.) Surround Back Left Surround Back Left Zone 2 Left Zone 2 Left Surround Back Right Surround Back Right Zone 2 Right Zone 2 Right Front Left Front Left SP-B / Zone 2 Left SP-B / Zone 2 Left Front Right Front Right SP-B / Zone 2 Right SP-B / Zone 2 Right Surround Left Surround Left Center Surround Right Surround Right Center Conversion plug × 1 (Use this plug if the power cord plug of the TX-SR500/ TX-SR500E does not fit your AC outlet.

Shape may vary depending on the area which it was purchased.) 75/300 antenna adapter × 1 (For all models other than USA, Canadian and European models) Surround Back Left Surround Back Left Zone 2 Left Zone 2 Left 1 2 3 Speaker Cable 4 Remote controller × 1 Batteries (AA, R6 or UM-3) × 2 Speaker cable label × 1 Surround Back Right Surround Back Right Zone 2 Right Zone 2 Right Front Left Front Left SP-B / Zone 2 Left SP-B / Zone 2 Left Front Right Front Right SP-B / Zone 2 Right SP-B / Zone 2 Right Surround Left Surround Left Surround Right Surround Right Center Center Before using the unit Setting the voltage selector (Worldwide models only) Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the voltage of the power supply in your area before plugging in the unit. Determine the proper voltage for your area: 220-230 V or 120 V. If the preset voltage is not correct for your area, insert a screwdriver into the groove in the switch.

Slide the switch all the way to the upper (120 V) or to the lower (220-230 V), whichever is appropriate. ANTENNA AM FM 75 Notes · Do not mix new batteries with old batteries or different kinds of batteries.



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· To avoid corrosion, remove the batteries if the remote controller is not to be used for a long time. · Remove dead batteries immediately to avoid damage from corrosion. If the remote controller does not operate smoothly, replace both batteries at the same time.

· The life of the supplied batteries is about six months but this varies depending on usage. FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R VOLTAGE SELECTOR 120 V IN OUT IN IN OUT IN FRONT SURR CENTER 220-230 V L SUBWOOFER PRE OUT Using the remote controller Point the remote controller toward the remote control sensor. The STANDBY indicator lights up when the unit receives a signal from the remote controller. Remote control sensor Receiver STANDBY indicator L R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER VOLTAGE SELECTOR 120 V 220-230 V Setting the AM tuning step frequency (Worldwide models only) Refer to page 24 to set the AM tuning step frequency correctly. 30° 30° Inserting the batteries 1 Detach the battery cover. 16 fe (et 5m) 2 Insert the two size AA/R6/UM3 batteries. Be sure to match the + and - ends of the batteries with the diagram inside the battery compartment. Notes · Place the unit away from strong light such as direct sunlight or inverted fluorescent light which can prevent proper operation of the remote controller. · Using another remote controller of the same type in the same room or using the unit near equipment which uses infrared rays may cause operational interference. · Do not put any object (such as a book) on the remote controller.

The buttons of the remote controller may be pressed by mistake and drain the batteries. · Make sure the audio rack doors do not have colored glass. Placing the unit behind such doors may prevent proper remote controller operation. · If there is any obstacle between the remote controller and the remote control sensor, the remote controller will not operate. 3 Attach the battery cover. 5 Index to parts and controls Front panel 1 2 3 4 5 6 7 8 9 0 - = ~ ! @ 1 # \$ % 7 8 ^ & MEMORY button [24, 25] * For operational instructions, refer to the page indicated in brackets. POWER switch (other than USA and Canadian models) [17]

This button is used to assign the radio station that is currently tuned in to a preset channel or delete a previously preset station. Turns on the main power supply for the TX-SR500/TX-SR500E. The TX-SR500/TX-SR500E enters standby state and the STANDBY indicator lights up. Pressing the switch again to the off position (-- OFF) shuts down the main power supply into the TX-SR500/TX-SR500E.

· Before turning on the power, make sure all cables are properly connected. · Turning on the TX-SR500/TX-SR500E may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the TX-SR500/TX-SR500E into a different electrical circuit. FM MODE button [24, 25] Press to switch the reception mode between stereo and monaural. If audio is interrupted or noise interferes with audio during FM stereo broadcasting, press this button to switch to the monaural reception mode.

9 TUNING TM/£ buttons [24, 25] 2 STANDBY/ON button [17] When STANDBY/ON button is pressed to ON (while the POWER switch is set to ON (other than USA and Canadian models)), the display will light to show the current volume setting for about 5 seconds then show the current sound input source. Pressing the button again returns the TX-SR500/TX-SR500E to the standby state. This state turns off the display, disables control functions. Use these buttons to change the tuner frequency. The tuner frequency is displayed in the front display and it can be changed in 50 kHz increments for FM and 10 kHz (or 9 kHz) increments for AM.

When FM is selected, you can hold down one of the TUNING TM/£ buttons and then release it to activate the auto-search feature. It will search for a station in the direction of the button you pressed and stop when it tunes into one. 0 - Remote control sensor [5] This sensor receives the control signals from the remote controller. 3 4 5 Listening mode buttons [32] STANDBY indicator [17] Lights when the TX-SR500/TX-SR500E is in the standby state and flashes when a signal is received from the remote controller. Press these buttons to select a listening mode for the current source. Press the DSP button to recall the Onkyo original DSP modes in sequence. Press the DIRECT, STEREO or SURROUND button to recall the corresponding listening mode directly. DIMMER button [27] Press to set the brightness of the front display. The brightness changes to normal, dim and very dim. = PRESET/ADJUST TM/£ buttons [18, 19, 29] DIGITAL INPUT button [22] When digital components are connected to the DIGITAL INPUT jacks of the TX-SR500/TX-SR500E, use this button to assign the DIGITAL INPUT jacks to them according to their forms of connection.

These buttons make it possible to store desired radio stations under the desired preset numbers and recall them with an easy operation. Also, these buttons adjust the values and parameters of the mode selected using the AUDIO ADJUST, SPEAKER ADJUST or AUDIO SELECTOR button. ~ MASTER VOLUME dial [21, 24] 6 6 SUBWOOFER MODE button [20] Press to select the subwoofer mode. The MASTER VOLUME dial is used to control the volume level. Turn the dial clockwise to increase the volume level and counterclockwise to decrease it. Index to parts and controls Display ab c eg d fh i j ! @ # \$ % SPEAKERS A/B buttons [21, 26] a b c (SPEAKERS) A/B indicators [21, 26] Press SPEAKERS A/B to turn on/off the speaker system A/B. The (SPEAKERS) A/B indicators corresponding to the selected speaker system light up. You can use SPEAKERS A and B simultaneously. Shows the current speaker system in use. MUTING indicator [26] PHONES jack [26] Flashes when the mute function is active.

This is a standard stereo jack for connecting stereo headphones. The audio for the front right and left speakers are sent to the headphone speakers. Source/Listening mode indicators [21, 32] DISPLAY button [27] AUDIO SELECTOR button [28] Each time you press the DISPLAY button, the display changes. One of these indicators lights to show the format of the current source as "PCM", "Y DIGITAL" or "DTS". In addition, one of the listening mode indicators "Y PRO LOGIC II", "MULTI CH", "DSP", "STEREO" and "DIRECT" lights according to the current listening mode.

Press to select an audio input signal format other than FM and AM.



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Each time this button is pressed, the setting cycles. *d e f* TUNED indicator [24] Lights up when a radio station is received. Input selector buttons (DVD, VIDEO 1, VIDEO 2, VIDEO 3, TAPE, TUNER, and CD) [21-25, 28, 33] MEMORY indicator [25] These buttons are used to select the input source. Pressing and holding the TAPE button for about 2 seconds allows the TAPE and MD sources to be switched.

Lights up when the MEMORY button is pressed in the radio station preset operation. AUTO indicator [24] ^ & * SPEAKER ADJUST button [18, 19] AUDIO ADJUST button [29] Press to select speaker setting item. Lights up to indicate auto reception mode (stereo/monaural). At this time, interstation noise will be muted (FM only). It extinguishes when the monaural reception mode is started by pressing the FM MODE button. Press to adjust bass, treble, late night function and cinema filter function setting. *g h i j* FM STEREO indicator [24] Lights up when an FM stereo broadcast station is received. VIDEO 3 INPUT jacks [33] For connecting a video camera or game device. RDS indicator (European models only) [24] Lights up when a RDS station is received. SLEEP indicator [27] Lights up when the sleep timer is active.

Multi function display In usual operation, shows the current input source and volume. When the FM or AM input is selected, it shows the frequency and preset number. When the DISPLAY button is pressed, it shows the current input source and the listening mode. 7 Index to parts and controls Rear panel 1 ANTENNA

AM FM 75 2 3 FRONT SPEAKERS A FRONT SPEAKERS B 4 SURROUND SPEAKERS AC OUTLET 5 L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R VOLTAGE SELECTOR 120 V IN OUT IN IN OUT IN FRONT SURR CENTER 220-230 V L SUBWOOFER PRE OUT L R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER 678 9 1 2

ANTENNA [14, 15] *p q w* 8 9 CD IN [10] *e* Connect the output terminal on the CD player to the CD IN L/R jacks on the TX-SR500/TX-SR500E. For operational instructions, refer to the page indicated in brackets. These terminals are for connecting the FM antenna and AM antenna. TAPE IN/OUT [10] *z* (REMOTE CONTROL) [16] Connect the Onkyo components that have *z* connectors such as a CD player, and cassette tape deck using the *z* cables provided with them. When these components are interconnected, they can be controlled from the remote controller provided with the TX-SR500/TX-SR500E. After connecting the *z* connectors, check the operation of the remote controller buttons for use in controlling other components. Connect the output terminals (PLAY) of the cassette tape deck or MD recorder to the TAPE IN L/R jacks on the TX-SR500/TX-SR500E and the input terminals (REC) to the TAPE OUT L/R jacks.

p VIDEO 1 IN/OUT, VIDEO 2 IN [11] 3 4 5 FRONT SPEAKERS A/B [13] Connect the output terminals (PLAY) of the video cassette recorder to the VIDEO 1 IN L/R jacks on the TX-SR500/TX-SR500E and the input terminals (REC) to the VIDEO 1 OUT jacks. Connect the output terminals of the video cassette player or satellite tuner to the VIDEO 2 IN jacks on the TX-SR500/TX-SR500E. Speaker terminals are provided for the front left, front right speakers.

SPEAKERS A are compatible with banana plug connectors (other than European models). *q* DVD [11] SURROUND SPEAKERS L/R, CENTER SPEAKER [13] Speaker terminals are provided for the center, surround left and surround right speakers.

By connecting a DVD player, MPEG decoder, or other component that has a multi channel port, you can playback the audio with 5.1 channel output. So, be sure to prepare a cable that can properly connect the TX-SR500/TX-SR500E to the peripheral device. · You can connect 2 channel audio output to the FRONT L/R jacks. AC OUTLET [11] *w e* MONITOR OUT [10] The TX-SR500/TX-SR500E is supplied with AC mains outlet for connecting the power cord from other devices so that their power is supplied through the TX-SR500/TX-SR500E.

By doing this, you can use the STANDBY/ON button on the TX-SR500/TX-SR500E to turn on and off the connected devices as well. The monitor output includes both RCA type and S video configurations. This output is for connecting television monitors or projectors. 6 DIGITAL INPUT OPTICAL 1, 2, COAXIAL [10, 11] VOLTAGE SELECTOR (worldwide models only) [5] These are the digital audio inputs. There are 2 digital inputs with optical jacks and 1 with a coaxial jack. The inputs accept digital audio signals from DVD, LD, CD, or other digital source. 7 8 SUBWOOFER PRE OUT [13] This terminal is for connecting an active subwoofer. Tip The audio input jacks of the TX-SR500/TX-SR500E do not accept direct connection of an analog turntable. If you want to connect a turntable to the TX-SR500/TX-SR500E, prepare a phono equalizer and connect it to the unused audio input jacks (IN L/R). Refer to the instruction manuals of the phono equalizer and turntable for details.

Index to parts and controls RC-479S (For models other than North American models) Explanations on this page are for controlling the TX-SR500/ TX-SR500E. To operate other components, see "Using remote controller" on pages 34 through 35, and "Pre-programming remote controller (North American models only)" on pages 36 and 37. For operational instructions, refer to the page indicated in brackets. 1 2 3 4 5 0 = ~ ! @ 1 2 3 4 5 SLEEP button [27] For setting the sleep time. This button is provided only on the remote controller. STANDBY/ON button [17] Turns on the TX-SR500/TX-SR500E or put it in standby. Listening mode buttons [32] Press to change the listening mode. CINE FLTR button [29] Press to activate/de-activate Cinema Filter function. LATE NIGHT button [29] 6 7 8 9 Press to change the late night setting. 6 # TEST/CH SEL/LEVEL 5/ buttons [20, 28] For setting the output levels for each speaker. These buttons are provided only on the remote controller. 7 8 RC-478M (For North American models) AUDIO SEL button [28] Press to select an audio input signal format other than TUNER. INPUT SELECTOR buttons [21-25, 28, 33] For selecting the input source. 1 2 3 0 - 9 0 MUTING button [26] Activates the mute function. This button is provided only on the remote controller.

PRESET 2/3 button [25] For selecting a tuner preset channel. = 4 5 ~ ! @ = ~ ! DIMMER button [27] For adjusting the brightness of the front display. Mode buttons [34-37] For selecting the component to be operated by the remote controller. SP A/SP B buttons [21, 26] Press to switch the speaker systems in use between A and B. 6 7 8 9 AUDIO ADJUST button [29] Press to adjust bass, treble, late night function and cinema filter function setting.



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@ # ADJUST 2/3 button [29] Press to adjust the values and parameters of the mode selected using the AUDIO ADJUST, SPEAKER ADJUST or AUDIO SELECTOR button. VOLUME 5/ button [21, 24] For adjusting the volume. 9 Connecting to audio/video equipment Here is explanation of how to connect the main components to the TX-SR500/SR500E in the standard manner. There are many ways that any one component can be connected, and it is up to you to decide which method best fits your situation. The directions given here are only one option and should only be thought of as such. It is best to fully understand the nature of each connector and terminal as well as each of your components and their features to ascertain which method of connection is best. · Be sure to always refer to the instruction manual that came with the component that you are connecting. · Do not plug in the power cord until all connections have been made. · For input jacks, red connectors (marked R) are used for the right channel, white connectors (marked L) are used for the left channel, and yellow connectors (marked VIDEO) are used for video connection. Note The signal that comes in from S VIDEO IN is sent to S VIDEO OUT.

The signal that comes in from VIDEO IN is sent to VIDEO OUT. · Insert all plugs and connectors securely. Improper connections can result in noise, poor performance, or damage to the equipment. Improper connection Inserted completely · Do not bind audio connection cables with power cords and speaker cables. Doing so may adversely effect the sound quality. VIDEO Video connection cable (Analog signal) S video plug Audio (L) S video connection cable (S video signal) Audio connection cable (Analog signal) Optical fiber cable (Digital signal) Signal flow TV monitor or Projector (MONITOR OUT) VIDEO S VIDEO IN IN Audio (R) Optical plug ANTENNA AM FM 75 FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R DO NOT connect the power cord (mailns lead) at this time. IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER About DIGITAL INPUT (OPTICAL) jack Remove the protective caps before making connections. When not in use, be sure to replace them. R L R L R L DIGITAL OUT OPTICAL AUDIO OUT (PLAY) AUDIO IN (REC) AUDIO OUT DIGITAL OUT (PLAY) OPTICAL CD player (CD) Cassette Tape deck, MD recorder, DAT deck, CD recorder (TAPE) · To connect the digital output from CD player connected to the CD jacks to this unit, use the OPTICAL 2 input jack. To connect the digital output to the OPTICAL 1 or COAXIAL input jack of this unit, it is required to change the assignment of digital inputs to input sources by referring to "Setting the digital inputs" on page 22.

10 · To connect the digital output from a component connected to the TAPE jacks to this unit, use the OPTICAL 1 input jack. To connect the digital output to the OPTICAL 2 or COAXIAL input jack of this unit, it is required to change the assignment of digital inputs to input sources by referring to "Setting the digital inputs" on page 22. · The TAPE OUT jack does not output the signal input from the DIGITAL INPUT jack. (The digital signal is not converted into analog signal.) Connecting to audio/video equipment About the DVD, VIDEO 1, VIDEO 2 and MONITOR OUT jacks The video input/output connections are also necessary even if you make the S video input/output connections.

· If the DVD player has both 5.1 channel audio outputs and 2 channel audio outputs, and you want to connect the DVD player only using the FRONT L/R jacks on the TX-SR500/TX-SR500E, use the 2 channel audio output jacks on the DVD player. · If the DVD player only has the 2 channel audio outputs, connect it to the FRONT L/R jacks. · To connect the digital output from DVD player connected to the DVD jacks to this unit, use the COAXIAL input jack. To connect the digital output to the OPTICAL 1 or 2 input jack of this unit, it is required to change the assignment of digital inputs to input sources by referring to "Setting the digital inputs" on page 22.

The shape and capacity of the AC outlet may differ depending on the area of purchase. AC OUTLET AC 120 V 60 Hz SWITCHED 120 W 1 A MAX. DVD player or component with 5.1 ch output (DVD) DIGITAL S VIDEO VIDEO OUT OUT OUT COAXIAL FRONT R L AUDIO OUT SURR CENTER SUBWOOFER R L AC OUTLET AC 230-240 V 50 Hz SWITCHED 100W MAX. or etc Caution Make sure that the capacity of the other components connected to this unit does not exceed the capacity that is printed on the rear panel (e.g., 120 watts). ANTENNA AM FM 75 FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO R S VIDEO R R CENTER DO NOT connect the SPEAKER power cord (mailns lead) at this time. IN OUT IN IN OUT IN FRONT SURR CENTER L SUBWOOFER PRE OUT L Video R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER Audio (L) Video Audio (L) Audio (R) Audio/video connection cable * If you have an LD player with AC-3RF output, connect via an AC-3RF demodulator to one of the TX-SR500/ TX-SR500E's DIGITAL INPUT terminals. R L VIDEO S VIDEO OUT OUT R L VIDEO S VIDEO IN IN R L VIDEO S VIDEO OUT OUT S video plug S video cable (S video signal) Coaxial plug Coaxial cable (Digital signal) Signal flow AUDIO OUT AUDIO IN AUDIO OUT Video cassette player, Satellite tuner, LD player* etc.

(VIDEO 2) VCR (VIDEO 1) To connect the digital output from satellite tuner etc. connected to the VIDEO 1 or VIDEO 2 jacks to the COAXIAL, OPTICAL 1 or 2 input jack of this unit, it is required to change the assignment of digital inputs to input sources by referring to "Setting the digital inputs" on page 22. 11

Positioning speakers/Connecting speakers Two speaker systems (FRONT SPEAKERS A and FRONT SPEAKERS B) can be connected to the Receiver. The FRONT SPEAKERS A system is to be placed in the main room, and the FRONT SPEAKERS B system is to be placed in a second room. The configuration of the FRONT SPEAKERS A system The FRONT SPEAKERS A system consists of the front left, center, and right speakers, surround left and right speakers, and subwoofer. You can reproduce the sounds such as Dolby surround and DTS surround. The configuration of the FRONT SPEAKERS B system The FRONT SPEAKERS B system consists of the front left and right speakers. You can reproduce only monaural and stereo sounds. Standard speaker placement of the SPEAKERS A system Speaker placement plays an important role in the reproduction of Surround sound.



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The placement of the speakers varies depending on the size of the room and the wall coverings used in the room.

The illustration below shows an example of a layout for standard speaker placement. Refer to this example when you position the speakers in order to experience the best of Surround sound. For ideal Surround effects, all speakers should be installed. If a center speaker or subwoofer is not connected, the sound from the unused channel is properly distributed to the connected speakers in order to reproduce the best Surround sound possible. Front The center speaker reproduces a richer sound image by enhancing the perception of the sound's source and movement.

The left, right, and center speakers should face the seated listener and be placed at ear level. Surround The surround speakers reproduce the feel of a moving sound while creating the sensation of being in the middle of the action. Place the left and right surround speakers 3 feet (1 meter) above the listener's ear level and facing toward the sides of the room, making sure that the listener is within the speakers' dispersion angle. Subwoofer Install a subwoofer with a built-in power amplifier for powerful bass sounds. The placement of the subwoofer does not affect the final quality of the sound image much, therefore, you can install it wherever it is convenient.

Refer to the speakers' instruction manuals for details. TV/Screen Front left Speaker Subwoofer Center Speaker Front right Speaker Surround left Speaker

Surround right Speaker Using the provided speaker labels The speaker terminals (+) of this unit are given different colors for ease of identification. By attaching the provided speaker labels to the speaker cables, the cables to be connected to the terminals can be identified easily. Attach the speaker label of each color to the speaker cable for the corresponding terminal and connect the speaker cable to the terminal having the same color as the label attached to the cable. The speaker terminals are colored as follows. Front left speaker (+): white Front Right speaker (+): red Center speaker (+): green Surround left speaker (+): blue Surround right speaker (+): gray Speaker 12 Positioning speakers/Connecting speakers Before connecting · Refer also to the instruction manuals of the speakers. · Be sure to connect the positive and negative cables for the speakers properly. If they are mixed up, the left and right signals will be reversed and the audio will sound unnatural. · Connect speakers with an impedance between 6 and 16 Connecting speakers with an impedance less than 6 may damage the TX-SR500/TX-SR500E. · To prevent damage to circuits, never short-circuit the positive (+) and negative (-) speaker wires.

NO! How to connect to the FRONT SPEAKERS A, SURROUND SPEAKERS and CENTER SPEAKER terminals 5/8" (15 mm) Strip 5/8" (15 mm) from the end of each cable, then twist the exposed wires tightly. Loosen the screw. Fully insert the end of the cable. Tighten the screw. · Do not connect more than one speaker cable to one speaker terminal. Doing so may damage the TX-SR500/TX-SR500E. · When you are using only one speaker or when you wish to listen to monaural (mono) sound, a single speaker should never be connected in parallel to both the right and left channel terminals simultaneously. How to connect to the FRONT SPEAKERS B terminals 3/8" (10 mm) L L NO! R R NO! Strip 3/8" (10 mm) from the end of each cable, then twist the exposed wires tightly. Press and hold the lever. Insert the stripped end of the cable.

By releasing the lever, the lever is replaced. Connecting to SPEAKERS A Use the SUBWOOFER PRE OUT jack to connect a subwoofer with a built-in power amplifier. If your subwoofer does not have a Active built-in amplifier, connect a subwoofer amplifier to the SUBWOOFER PRE OUT jack and the subwoofer to the amplifier. Front right speakers Front left speakers Surround right speakers Surround left speakers Center speaker ANTENNA AM FM 75 FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R IN OUT IN IN OUT IN FRONT SURR CENTER L

SUBWOOFER PRE OUT L R DO NOT connect the power cord (mains lead) at this time. R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER Front right speakers Front left speakers Connecting to SPEAKERS B 13 Connecting antennas Connecting the supplied FM and AM indoor antennas (aerials) ANTENNA ANTENNA AM FM 75 FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R VOLTAGE SELECTOR 120 V IN OUT IN IN OUT IN FRONT SURR CENTER 220-230 V L SUBWOOFER PRE OUT L R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER North American models 1 Strip away the insulation from the end of the cord.

2 Fully insert the stripped end of the cord. ANTENNA AM FM 75 FM indoor antenna (aerial) Except for North American models Fully insert the end of the cord. Adjusting the position of the FM indoor antenna (aerial) The FM indoor antenna is for indoor use only. During use, extend the antenna and move it in various directions until the clearest signal is received. Fix it with push pins or similar implements in the position that will cause the least amount of distortion. If the reception is not very clear with the attached FM indoor antenna, the use of an outdoor antenna is recommended. Rotate the outer frame of the antenna. Insert into the hole. Extend the antenna cord. AM indoor antenna (aerial) Press up and hold the lever. Insert the end of the cord. Release the lever to secure the connection. ANTENNA AM FM 75 Note Insert one end of the AM antenna (aerial) cord to either of the AM antenna (aerial) connectors and the other end to the other connector. There is no difference between one end of the AM antenna (aerial) cord and the other end, unlike the speaker cables which have positive and negative poles. Adjusting the position of the AM indoor antenna (aerial) The AM loop antenna is for indoor use only.

Set it in the direction and position where you receive signals clearly. Put it as far away as possible from the TX-SR500/TX-SR500E, televisions, speaker cables, and power cords. When reception is not satisfactory with the attached AM loop antenna alone, connection of an outdoor antenna is recommended. 14 Connecting antennas Connecting an FM outdoor antenna (aerial) If the FM reception is not very clear with the supplied antenna (aerial), connect an FM outdoor antenna (aerial) instead of the indoor FM antenna (aerial).



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FM outdoor antenna (aerial) Connecting coaxial cable to a 75/300 ohm antenna (aerial) adapter* 1 Strip the end of the coaxial cable. in. 1/4 1/8 1/4 in. in. 5/8 3 Remove the transformer wire A from slit B and insert it into slit C.

Slit B AM FM 75 636 mm mm mm Wire A Slit C Connecting 300 ohm ribbon wire to a 75/300 ohm antenna (aerial) adapter* Loosen the screws and wrap the wire around these screws. Then tighten the screws with a screwdriver. Tighten 6 Reinstall the cover. Loosen 15 mm 2 With your fingernail or a small screwdriver, press the stoppers outward and remove the cover. 4 5 Insert the end of the cable.

Clamp it in place with pliers. 4 5 * (USA, Canadian and European models) Not supplied (Other models) Supplied Notes · Install the antenna (aerial) well away from tall buildings and in an area where FM stations can directly be received. · Keep the antenna (aerial) away from noise sources (neon signs, busy roads, etc.). · It is dangerous to put the antenna (aerial) close to power lines.

Keep it well away from power lines, transformers, etc. · To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 14 of the "Important Safeguards" on page 2 when you install the outdoor antenna (aerial). Connecting an AM outdoor antenna (aerial) An outdoor antenna (aerial) will be more effective if it is stretched horizontally above a window or outside. Leave the supplied AM indoor antenna (aerial) connected. Note To avoid the risk of lightning and electrical shock, grounding is necessary. Follow item 14 of the "Important Safeguards" on page 2 when you install an outdoor antenna (aerial). AM indoor antenna (aerial) Outdoor antenna (aerial) ANTENNA AM FM 75 Directional Linkage Do not use the same antenna (aerial) for both FM and TV (or VCR) reception since the FM and TV (or VCR) signals can interfere with each other. If you must use a common FM/TV (or VCR) antenna (aerial), use a directional linkage type splitter. Directional linkage type splitter To AV Receiver To TV (or VCR) 15 Connections for remote control (z) The z terminal on the TX-SR500/TX-SR500E is for connecting other Onkyo components equipped with the same z terminal.

When a component is z-connected, you can point the remote controller supplied with the TX-SR500/TX-SR500E at the sensor on the TX-SR500/TX-SR500E and operate that component without having to switch remote controllers. In addition, by connecting components to the z terminal, you can also perform the system operation given below. To connect components using the z terminal, simply connect a z cable from this z terminal to the z terminal of the other component. An z cable with a 3.5 mm (1/8 inch) miniature twoconductor plug comes with every cassette tape deck, compact disk player, MD recorder, and DVD player that has an z terminal. Power on/ready function When the TX-SR500/TX-SR500E is in the standby state, if an zconnected component is turned on, then the TX-SR500/TX-SR500E also turns on and the input source selected at the TX-SR500/TX-SR500E automatically switches to that component. If the power cord for an z-connected component is connected to the AC OUTLET on the TX-SR500/TX-SR500E, or if the TX-SR500/TX-SR500E is turned on, this function will not work. Direct change function When the play button is pressed at an z-connected component, the input source selected at the TX-SR500/TX-SR500E automatically changes to that component. Power off function Example: Onkyo DVD Player When the TX-SR500/TX-SR500E is placed in the standby state, all z-connected components are also automatically put in the standby state. Note If an MD recorder is connected to the TAPE jack on the TX-SR500/TX-SR500E, switch the input selector from TAPE to MD (see page 23).

REMOTE CONTROL COAXIAL L R DIGITAL OUTPUT ANALOG OUTPUT z cable Be sure to connect using the audio connection cable. FM 75 ANTENNA AM FRONT SPEAKERS A FRONT SPEAKERS B SURROUND SPEAKERS AC OUTLET z cable L DIGITAL INPUT OPTICAL 2 1 COAXIAL REMOTE CONTROL L L VIDEO 2 IN VIDEO 1 OUT IN DVD IN MONITOR OUT VIDEO CENTER SPEAKER R S VIDEO R R DO NOT connect the power cord (mains lead) at this time. VOLTAGE SELECTOR 120 V IN OUT IN IN OUT IN FRONT SURR CENTER 220-230 V L SUBWOOFER PRE OUT L R R CD TAPE VIDEO 2 VIDEO 1 DVD SUB WOOFER REMOTE CONTROL TX-SR500/TX-SR500E z connector Ex: Onkyo CD player z connector Ex: Onkyo cassette tape deck Connection example when there is more than one ONKYO components equipped with z terminals Notes · Connect the plugs securely. · Be sure to connect to the z connectors using the z cable. · For remote control operation, the audio connection cables must also be connected. · If a component has two z terminals, you can use either one to connect to the TX-SR500/TX-SR500E. The other one can be used to daisy chain with another component. · (USA and Canadian models only) With Onkyo DVD players, you can enter the pre-program code so that you can operate the DVD player directly with the remote controller without connecting the z terminals (see page 36). · Do not connect the AV Receiver's z connector to any component other than an Onkyo product. It may cause malfunction.

· Certain component models may not be able to control the TX-SR500/TX-SR500E. 16 Connecting the power/Turning on the AV Receiver STANDBY/ON STANDBY indicator STANDBY/ON POWER Before connecting · Make sure that all the connections from pages 10 to 16 are complete. · Turning on the AV Receiver may cause a momentary power surge, which might interfere with other electrical equipment such as computers. If this happens, use a wall outlet on a different circuit. 1. Connect the power cord (mains lead) to a wall outlet (the mains). 2. (Other than USA and Canadian models only) Press POWER to switch on the main power. The TX-SR500/TX-SR500E enters standby mode. The STANDBY indicator lights up.

Notes · The TX-SR500/TX-SR500E is shipped with the main power (POWER) switch in the on position () ON. · To switch off the main power, press the POWER switch again. · The buttons on the remote controller don't operate if the POWER switch is set to OFF. 3. Press STANDBY/ON. The AV Receiver turns on. The ON indicator and display on the AV Receiver's front panel light. At the same time, the STANDBY indicator goes off. Note To turn off the AV Receiver, press STANDBY/ON. The AV Receiver enters standby mode.

Be sure to set the volume to minimum before turning off the AV receiver. 17 Speaker setup SPEAKER ADJUST PRESET/ADJUST TM/E You need to set up the speaker configuration for the speaker system connected to the FRONT SPEAKERS A connectors (see page 13). (There is no speaker configuration setup for the SPEAKERS B system.)



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) Notes · Speaker setup cannot be done if; Headphones are connected (see page 26), The FRONT SPEAKERS B system is on (see page 26), "Multi ch" is selected with AUDIO SELECTOR button, or Connected source is played. · It is not necessary to set the parameters again once you have completed the setup unless you change the speaker configuration.

Setting the crossover frequency To reproduce low frequencies between 80 Hz and 120 Hz in an optimum condition, set the crossover frequency according to the low-frequency reproduction capabilities of the subwoofer and other speakers (front, center and surround). 1. Press SPEAKER ADJUST twice. The current setting is displayed. 2.

Press PRESET/ADJUST TM/£ repeatedly to select the crossover frequency. Select from 80 Hz, 100 Hz and 120 Hz. Refer to the following example for deciding the setting. · When other speakers than the subwoofer are relatively small (when they cannot reproduce low frequencies sufficiently): 120 Hz · When other speakers than the subwoofer are relatively large (when they can reproduce low frequencies sufficiently): 80 Hz If you want more accurate setting, refer to the instruction manuals of the speakers and perform the setting according to their reproduce frequency bands. Also listen to the actual sound and set to the high position (120 Hz) if you feel that the sound from the subwoofer is not enough or to the low position (80 Hz) if you feel that the sound is loud. Selecting the number of speaker channels 1. Press SPEAKER ADJUST. When the button is pressed, the current speaker setup will be displayed. 2. Press PRESET/ADJUST TM/£ repeatedly to select the number of channels.

Front left Center Front right Surround left Surround right Display and number of speaker channels Speaker 5ch Speaker 2ch Speaker 3ch Speaker 4ch Note
The listening mode will automatically change according to the number of channels if you set the number of channels. 18 Speaker setup SPEAKER ADJUST PRESET/ADJUST TM/£ Setting the delay time In the procedure below, select the values which approximate the actual distances. This operation consists of entering the time error between output of sound from each speaker type (front, center and surround) and arrival at the listening position. The user should measure the distance from the listening position to each speaker type and obtain the time error (delay time) based on the appropriate table. Assume that the distance from the listening position to the left/right front speakers is (L). Assume that the distance from the listening position to the center speaker is (L1). Assume that the distance from the listening position to the surround speakers is (L2). Setting the center delay Calculate the difference between (L) and (L1), find the closest value to it from the table below and obtain the center delay time. @@@@2. @@@@2.

@@@@@@@@@@@@@@@@The normal display resumes in three seconds. @@@@@@@@@@@@@@@@@@When the digital sound is reproduced, the YDIGITAL, DTS, or PCM (2 channel digital stereo) indicator lights up according to the received sound system in the AV Receiver's display. YDIGITAL PCM DTS e.g. When VIDEO 3 is selected.

Various functions while playing the connected source When MD recorder is connected to the TAPE jacks, you can switch the source from TAPE to MD (see page 23). To use the following functions, see pages 26 and 27. · Turning on/off the SPEAKERS A/SPEAKERS B systems · Muting the sound · Listening through headphones · Changing the display · Controlling the brightness of the lights on the AV Receiver · Using the sleep timer 2. Ensure that the indicator(s) for the speaker system(s) to be used are lit on the display. If no SPEAKERS indicator is lit, press SPEAKERS A/B on the unit or SP A/SP B on the remote controller to select the speaker system(s) to be used.

3. Start playing the selected source. 4. Press VOLUME 5/ on the remote controller or turn MASTER VOLUME dial on the unit to adjust the volume. Enjoying the surround modes while playing the connected source See page 30. 21 Playing the connected source DIGITAL INPUT DVD DVD Setting the digital inputs When connecting digital source components to the DIGITAL INPUT jacks on the rear panel, assign the input source button on the front panel to either a DIGITAL INPUT OPTICAL or COAXIAL jack depending on the type of connector on the digital source components. The DVD, CD, VIDEO 1, VIDEO 2, VIDEO 3 and TAPE inputs can be assigned to the DIGITAL INPUT jacks. With the initial setting, the OPTICAL 2 connector is assigned to the CD input, COAXIAL is assigned to the DVD input and OPTICAL 1 is assigned to the TAPE input, and no input connector is assigned to the VIDEO 1-3 inputs. For example, follow the steps below to assign OPTICAL 1 to the DVD device connected to the DIGITAL INPUT OPTICAL 1 jack. 1.

Press DVD. The DVD input is selected and "DVD" appears in the display. 2. Press DIGITAL INPUT. The current DVD setting (COAX) appears. Default setting Input source CD TUNER TAPE VIDEO 3 VIDEO 2 VIDEO 1 DVD Digital input OPTICAL 2 OPTICAL 1 COAXIAL 3. Press DIGITAL INPUT repeatedly to select "OPT 1". Pressing DIGITAL INPUT repeatedly will change the setting as follows: Select if connected to DIGITAL INPUT COAXIAL. Select if connected to DIGITAL INPUT OPTICAL 1. Select if connected to DIGITAL INPUT OPTICAL 2.

Select if the input source is not from a digital input jack. : Available for digital input but not set in initial setting. : Not available for digital input. About three seconds after "DVD OPT1" is selected, the original display appears and the setting is completed. If you have selected digital input, you can also select the input signal format (refer to "Setting the input signal format" on page 28).

22 Playing the connected source DIRECT DIRECT CH SEL AUDIO SEL DVD AUDIO SELECTOR DVD TAPE LEVEL 5/ Using multi channel input The multi channel input refers to a system, which is compatible with a source component equipped with 5.1-channel outputs (DVD player, MPEG decoder, etc.), reproducing the left/right front, center and left/right surround channels from five respective speakers and outputting the subwoofer channel from SUB WOOFER (refer to page 13). 1. Press DVD.

2. Press AUDIO SELECTOR on the unit or AUDIO SEL on the remote controller repeatedly to select "Multich". 3. Turn on the component connected to the DVD (FRONT L/R, SURR L/R, CENTER and SUBWOOFER) port and start playing the desired media. 4. If necessary, press CH SEL on the remote controller to select an individual speaker. Then press LEVEL 5/ to adjust the output level as desired. Adjust the speaker output level so that you can hear the same sound level from each speaker at the listening position.



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For the front right, front left, center, surround right and surround left speakers, the output levels can be adjusted between 12 to +12 dB. The subwoofer can be adjusted between 30 to +12 dB.

The volume levels from the speakers reproducing multi channel input source are independent from the speaker levels set using the test tone (page 20). These settings are not applied to speakers reproducing multi channel input source. Applying the audio tone adjustment (Bass/Treble) effects to the audio Press DIRECT on the unit or remote controller to set "Tone On". Each press of the button alternates "On" and "Off". Refer to page 29 to adjust audio. Notes · "Multich" can be selected only when DVD is selected as the input source. · The surround mode cannot be selected when "Multich" is selected. Also, if "Multich" is selected during use of a surround mode, it is canceled automatically. · Regardless of the speaker configuration, the input signal will be output to each corresponding speaker. For example, even if the speaker configuration is set to 2 ch, sound comes from all speakers.

Switch the source from TAPE to MD You can set the AV receiver to show "MD" when the TAPE source is selected by pressing TAPE on the remote controller or on the unit. This setting is needed to make the z system control effective among the Onkyo cassette tape deck or MD recorder. 1 Press TAPE to select the input source. 2 Press and hold TAPE on the unit until the display changes (for about 2 seconds). To restore the display Press and hold TAPE on the unit until the display changes (for about 2 seconds).

23 Listening to the radio There are two ways to select radio stations: · Manual tuning · Presetting radio stations then selecting the preset channels TUNING TM/£ MASTER VOLUME dial FM MODE TUNER Setting the AM tuning step frequency (Worldwide models only) You can switch the AM band tuning steps between 9 kHz and 10 kHz. The initial setting is 9 kHz. Please set the AM tuning step frequency to match the AM band tuning step frequency in your area.

USA and Canadian models Other models 10 kHz 9 kHz When the band is AM The frequency changes as follows: (USA and Canadian area) In 10 kHz steps (Other area) In 9 kHz steps When you release the button, the frequency stops changing and flashes in the display. Note If you press and hold PRESET/ADJUST TM/£ short time, the AV Receiver enters the selecting preset stations mode.

Refer to "Selecting preset stations" on page 25. Press MEMORY while holding down TUNER. Note All the preset stations are erased when you switch the AM band tuning steps. 4. While the frequency is flashing (for about 3 seconds), press TUNING TM/£ to change the frequency. · The frequency changes each time you press TUNING TM/£. · You can change the frequency as long as the frequency in the display is flashing. Each press of either button causes the frequency to flash for about 3 seconds. Tuning in a weak frequency (only for FM stations) When you tune in a stereo FM station, the FM STEREO indicator lights up if the signal is sufficiently strong. Tuning manually 1.

Press TUNER. The selected band appears in the display. Each time you press the button, the band changes as follows: AM FM. e.g. When FM is selected. 2. Turn MASTER VOLUME dial on the unit to adjust the volume. 3. Press and hold TUNING TM/£ for about 0.

5 seconds. When the band is FM Auto tuning starts. The frequency changes in 50 kHz steps. When a broadcast is received, scanning stops and the frequency flashes in the display. Appears when a broadcast is received.

If the signal is weak, you may not be able to tune to the station. In this case, press FM MODE. The FM STEREO indicator goes off. Then select the station to which you want to listen. (At this time, the station will be in mono and interstation noise will be heard.)

) Receiving RDS (European models only) When an Radio Data System (RDS) station broadcasting Program Service Name (PS) information is received, the RDS indicator lights up and the name of the station is displayed. RDS reception is only available on the European models, and only in areas where RDS broadcasts are available. 24 Listening to the radio FM MODE MEMORY PRESET 2/3 PRESET/ADJUST TM/£ TUNER Presetting radio stations You can preset up to 30 stations. Selecting preset stations Before selecting preset stations, you need to preset the radio stations. See "Presetting radio stations" on the left column of this page. 1. Tune in the radio station you wish to preset (refer to the previous page). 2. Press MEMORY. The MEMORY indicator lights and the preset number starts flashing in the display.

1. Press TUNER to switch the input source to the tuner. "FM" or "AM" appears in the display. The band selected in this step will not affect the next step. 3. While the MEMORY indicator is lit (for about 8 seconds), press PRESET/ADJUST TM/£ to select the preset number. 2. Press PRESET 2/3 on the remote controller or PRESET/ADJUST TM/£ on the unit repeatedly to select the preset number of the desired radio station. 4. Press MEMORY. The radio station is registered to the preset channel. To register another preset station, repeat steps 1 to 4. Erasing a preset station 1. Select the preset channel you wish to erase (see steps in the previous page). 2.

Press FM MODE while holding down MEMORY. The selected preset channel will be erased. Various functions while listening to radio programs To use the following functions, see pages 26 and 27. · Turning on/off the SPEAKERS A/SPEAKERS B systems · Muting the sound · Listening through headphones · Changing the display · Controlling the brightness of the lights on the AV Receiver · Using the sleep timer Enjoying the surround modes while listening to radio programs See page 30. 25 Various functions common to all the sources SPEAKERS A/B SP A/SP B PHONES jack MUTING Turning on/off the SPEAKERS A/SPEAKERS B systems You can turn on or off the speaker systems connected to the FRONT SPEAKERS A and FRONT SPEAKERS B connectors individually.

Muting the sound (remote controller only) Press MUTING. The MUTING indicator flashes in the display during the muting mode. Press SPEAKER A on the unit or SP A on the remote controller to turn on or off the SPEAKERS A system. Press SPEAKER B on the unit or SP B on the remote controller to turn on or off the SPEAKERS B system. Note If you turn on the SPEAKERS B system, the SPEAKERS A system also reproduces stereo sound automatically. (The listening mode is set to "Stereo.") The lit (speaker) A/B indicators indicate the corresponding speaker systems are on. To restore the sound, press MUTING again. Tip If you turn off the unit during muting, and turn it on again, the sound will be restored.



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