



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-DS595. You'll find the answers to all your questions on the ONKYO TX-DS595 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-DS595**  
**User guide ONKYO TX-DS595**  
**Operating instructions ONKYO TX-DS595**  
**Instructions for use ONKYO TX-DS595**  
**Instruction manual ONKYO TX-DS595**

**ONKYO**

**AV Receiver**

***TX-DS595***

**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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33 Remote controller 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. Using remote controller .....

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.. 50 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 should follow the manufacturer's instructions, and should use a mounting acPORTABLE CART WARNING cessory recommended by the manufacturer. 9. An appliance and cart combination should be moved with care.

Quick stops, excessive force, and uneven surfaces may S3125A 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 antennadischarge 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 form the wall outlet and refer servicing to qualified service personnel under the following conditions: A.

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 form the wall outlet and refer servicing to qualified service personnel under the following conditions: A.



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When the power-supply cord or plug is damaged, B.

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. 2 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. 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 Precautions 1. Warranty Claim You can find the serial number on the rear panel of this unit. In case of warranty claim, please report this number. 2. Recording Copyright Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.

3. AC Fuse The fuse is located inside the chassis and is not user-serviceable. If power does not come on, contact your Onkyo authorized service station. 4. Care From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering. 5. Power S2898A POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H) 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 Canadian models WARNING BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY. The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3 (or EN60555-2, -3) GERMANY AM loop antenna × 1 FM indoor antenna × 1 (connector will vary depending on model specifications) 75/300 antenna adapter × 1 Remote controller × 1 (For all models other than USA, Batteries (AA, R6 or UM-3) × 2 Canadian and European models) M 47 -4 RC A.HORIUCHI ONKYO EUROPE ELECTRONICS GmbH 4 Before using this 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 FRONT SPEAKERS A CENTER SPEAKER SURROUND SPEAKERS 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 TX-DS595 STANDBY indicator R AM L R L AC OUTLETS SWITCHED TOTAL 100W MAX. MONITOR OUT DVD IN VIDEO 1 OUT IN VIDEO 2 VIDEO 3 IN IN VIDEO FM 75 REMOTE CONTROL S VIDEO FRONT SPEAKERS B PHONO CD OUT TAPE IN L R FRONT L AV RECEIVER R L SURR CENTER OPTICAL COAXIAL MODEL NO. TX-DS595 R CAUTION: L 120V SEE INSTRUCTION MANUAL FOR CORRECT SETTING. 1 2 VOLTAGE SELECTOR 220-230V GND 1 6 OHMS MIN. / SPEAKER 4 OHMS MIN. / SPEAKER 30° 30° 2 R SUBWOOFER PRE OUT MULTI CHANNEL INPUT SUB WOOFER SET BEFORE POWER ON DIGITAL INPUT IMPEDANCE SELECTOR 120V VOLTAGE SELECTOR 220-230V RC-447 M Approx. 5 meters (16 feet) Installing the remote controller batteries 1. Remove the battery compartment cover by pressing and sliding the cover. 2. Insert two AA (R6 or UM-3) batteries into the battery compartment. Carefully follow the polarity diagram (positive (+) and negative (-) symbols) inside the battery compartment.



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3. After batteries are installed and seated correctly, replace the compartment cover. 1 2 3 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 objects on the remote controller. Its buttons 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. Notes: · Do not mix new batteries with old batteries or different kinds of batteries. · 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 the batteries at the same time. · The life of the batteries supplied is about six months but this will vary depending on usage.

5 Front panel facilities Here is an explanation of the controls and displays on the front panel of the TX-DS595. Front panel 12 3 See illustration below 4 5 6 A SPEAKERS B CH LEVEL MASTER VOLUME STANDBY/ON DSP / MODE ADJ SETUP STANDBY RETURN POWER PUSH TO ENTER ON OFF DISPLAY RT / PTY/ TP FM MODE PRESET MEMORY TUNING PRESET SMART SCAN NAVIGATOR BASS PHONES AUDIO SELECTOR TREBLE DVD VIDEO 1 VIDEO 2 VIDEO 3 TAPE FM AM PHONO CD VCR AV RECEIVER TX-DS595 7 8 9 B C DSP / MODE ADJ 0 A D E F SETUP For all models other than European model PUSH TO ENTER RETURN DISPLAY DIMMER DISPLAY RT / PTY/ TP FM MODE PRESET MEMORY TUNING PRESET SMART SCAN NAVIGATOR H G H I J K L Front panel display Speakers A/B indicators Listening mode or digital input format indicators Tuning indicators SPEAKERS A B SLEEP MPEG PC M DIGITAL DTS DSP STEREO DIRECT TUNED FM STEREO FM MUTE MEMORY RDS ft ch dB Sleep indicator Multi function display 6 Front panel facilities For operational instructions, see page indicated in brackets [ ]. POWER switch [16] Turns on and off the main power supply for the TX-DS595. STANDBY indicator [16] Lights when the TX-DS595 is in the standby state and flashes when a signal is received from the remote controller.

STANDBY/ON button [16] Press to turn on the TX-DS595 when in the standby state. Press again to return the TX-DS595 to the standby state. SPEAKERS A/B buttons [25, 26] Press these buttons to turn on and off speakers systems A and B. CH LEVEL button [27] Press to select the channel whose level is to be adjusted. MASTER VOLUME dial [25] The MASTER VOLUME dial is used to control the volume. PHONES jack To listen with headphones, plug a pair headphones with a standard stereo plug into the PHONES jack on the TX-DS595 front panel. When you connect headphones, the unit will enter STEREO mode automatically and no sound will be heard from the speakers. If you have selected MULTI CH INPUT, you will hear sound only from the FRONT L and R channels. Note that the volume level for the headphones is adjustable. SMART SCAN NAVIGATOR jog dial and indicators [19, 20, 22, 24-27, 30-32] Used to make settings in the setup display, change listening mode settings, and more.

SETUP button [19, 20, 30-32] Press to enter and exit the setup mode. RETURN button [19, 20, 30-32] Press to move up one level in the setup mode. DISPLAY button [26] The DISPLAY button is used to display information about the current input source signal. Each time you press the display button, the screen changes to show you different information concerning the input signal. RT/PTY/TP (European models only) button [24] This button is only available on European models.

Use this button to help tune into the Radio Data System (RDS) for FM broadcasting. RDS was developed within the European Broadcasting Union (EBU) and is available in most European countries. Each time the button is pressed, the display changes from RT (radio text) to PTY (program type) to TP (traffic program) and then back to RT again. DIMMER (other than European models) button Press to set the brightness of the front display. There are 3 settings available: normal, dark, and very dark.

FM MODE button [21] When there is too much noise in the stereo reception of an FM broadcast, press to turn off the FM MUTE function. PRESET MEMORY button [22] This button is used to assign the radio station that is currently tuned in to a preset channel or delete a previously preset station. TUNING / buttons [21] 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 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. PRESET / buttons [22] When AM or FM is selected as the input source, press one of these buttons to jump to a radio station that you preset using the PRESET MEMORY button. Pressing the right button moves from the most recently preset station to older ones, and pressing the left button moves in the reverse order. PHONES AUDIO SELECTOR button [27] This button is used to select the type of audio input signal. Each time pressed, the setting cycles from "AUTO" "MULTICH" "ANALOG" and back.

Input source buttons (DVD, VIDEO 13, TAPE, FM, AM, PHONO, and CD) [25] These buttons are used to select the input source. BASS dial [26] Boosts or cuts the bass response. Bass adjustment is effective only for the front speakers and headphones. TREBLE dial [26] Boosts or cuts the treble response. Treble adjustment is effective only for the front speakers and headphones. Front display Remote control sensor [5] 7 Remote controller 1 SEND / LEARN SEND/LEARN indicator This indicator acts as a guide when commands are programmed into or sent by the remote controller. It also warns the user when an error is made or battery power is low. ON/STDBY button [16] ON: Turns on the TX-DS595. STDBY: Places the TX-DS595 in the standby state. Be aware that pressing the STDBY button only places the TXDS595 in standby and does not turn the power completely off.

SLEEP button [26] Sets the sleep function. The SLEEP button enables you to set the TX-DS595 to turn off automatically after a specified time period. DIRECT MACRO button [46] For executing and programming the Direct Macro function. MODE buttons and indicators [40-47] For selecting the component to be operated by the remote controller.



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When a MODE button is pressed, it will light green for 8 seconds.

The selected MODE button will also light whenever any other operation button is pressed to tell you which mode the remote controller is in. RETURN button [19, 20, 30-32] Press to move up one level in the setup mode. CD PREP ROGRAM MED & LEARNING CAPA BILITY 2 3 4 5 6 7 9 A 8 0 S P L E E O N STDBY MACRO DIR EC T MODE CD DVD MO DE D E RC VR MD CABLE T SA VCR TV RE TU R N SET UP CH DISC VOL AUDIO C TO H S E PM L ENU T TES U MEN H MUTING F G I ANGLE TV / VCR LEVEL SUBTITLE RANDOM REC OPEN / CLOSE INPUT SELECTOR DVD B C V1 V2 T1 T2 V3 STEREO V4 TUN DIRECT DSP PH CH/DISC button [35, 36] When in the RCVR mode, for selecting a tuner preset channel. For selecting the disc to be played back for components with disc changers when in the DVD or CD modes. CH SEL/TOP MENU button [36] CH SEL: For selecting the speaker for level adjustment when in the RCVR mode.

Used together with the LEVEL / buttons. TOP MENU: When in the DVD mode, for displaying the menu screen(s) recorded on DVD media. AUDIO/TV/VCR button [27, 41] AUDIO: For selecting the audio input signal. The setting changes from "AUTO" to "MULTICH" to "ANALOG" and back each time this button is pressed. TV/VCR: Must be preprogrammed for use in the TV and VCR modes. LEVEL /ANGLE and LEVEL /SUBTITLE buttons LEVEL / : Select the speaker whose volume is to be adjusted using the CH SEL button and adjust the volume using the LEVEL / buttons in the RCVR mode. [9, 27] ANGLE: When in the DVD mode, for selecting a camera angle when a DVD-Video is recorded with multiple angle playback. [36] SUBTITLE: When in the DVD mode, for selecting one of the subtitle languages recorded on a DVD-Video. [36] CD/TAPE/DVD/MD operation buttons [34-37] For operating Onkyo components connected to the TX-DS595. INPUT SELECTOR buttons [25] 1 SURR 2 A.

ST 3 DSP 4 SP A 5 SP B 6 Re-EQ 7 DISPLAY 8 DIMMER 9 ZONE 2 +10 -- / --- 0 SEARCH ENTER J HOME THEATER CONTROLLER RC-447M 8 Remote controller Selects an input source. Same as the input selector buttons on front panel of the TX-DS595. The input source for each buttons is given here. DVD:DVD, CD:CD, V1:VIDEO1, V2:VIDEO2, V3:VIDEO3, V4:Not used with the TXDS595, T1:TAPE, T2:Not used with the TX-DSS95, TUN:FM/AM, PH:PHONO. Numeric key/Listening mode selector/SP A, B/ Re-EQ/DISPLAY/DIMMER buttons 1 to 9, +10, --/---, 0: For entering the number of a track. STEREO, DIRECT, DSP / , SURR, A.ST: You can select a listening mode. [25, 28] STEREO: Changes the listening mode directly to the Stereo listening mode. If pressed, the listening mode for the selected input source set in the Listening Mode Preset is also changed to the Stereo listening mode. SURR (Surround):

Changes the listening mode to the surround mode for the current input signal (e.

g., Dolby Pro Logic II, Dolby Digital, or DTS). If pressed, the listening mode for the selected input source set in the Listening Mode Preset is also changed to the Surround listening mode. For Dolby Pro Logic II, this button also changes the mode between Dolby Pro Logic II Movie and Dolby Pro Logic II Music.

DIRECT: Changes the listening mode directly to the Direct listening mode.

If pressed, the listening mode for the selected input source set in the Listening Mode Preset is also changed to the Direct listening mode. A.ST (All Channel Stereo): Changes the listening mode directly to the Stereo listening mode. If pressed, the listening mode for the selected input source set in the Listening Mode Preset is also changed to the All Channel Stereo listening mode. DSP / : Changes the listening mode as shown below.

Direct Stereo Surround Orchestra Unplugged Studio-Mix TV Logic All Ch Stereo Direct. If pressed, the listening mode for the selected input source set in the Listening Mode Preset is also changed. Re-EQ: Depending on the listening mode, you can turn the cinema re-equalization function on or off. [25] Re-EQ (re-equalization) takes the edginess or "brightness" out of your home cinema sound to compensate for the fact that sound mixed for theaters may sound too bright when played back through speakers in the home environment. On: Select to turn on the re-equalization filter. Off: Select to turn off the re-equalization filter.

Note: The Re-EQ function is effective on the Dolby Pro Logic II Surround and Dolby Digital Surround. SP A, SP B: For turning on and off speakers systems A and B. [26] DISPLAY: For changing the display in the front display. [26] DIMMER: Adjusts the display brightness.

There are three settings available: normal, dark and very dark. MODE MACRO button [45] For executing and programming the Macro function. SETUP button [19, 20, 30-32] Press to enter and exit the setup mode. ENTER/cursor button [19, 20, 30-32] For selecting and entering settings in the setup mode.

VOL button For adjusting the volume. TEST/MENU button TEST: Outputs a test tone for setting speaker levels. Use this button in conjunction with the LEVEL / and CH SEL buttons to calibrate the speakers levels. 1. Press the TEST button. A test sound (pink noise) will be heard from the left front speaker. At this point, it is not necessary to adjust the volume of the test sound. 2. Press the CH SEL button. The test sound will now be heard from a different speaker.

3.

Use the LEVEL / buttons to adjust the volume of the test sound from this speaker to the same level that you heard from the previous speaker. 4. Repeat the procedure in step 2 and 3 until the volume of the test sound from all speakers is the same level. Each time you press the CH SEL button, the test sound will be heard from a different speaker. The speaker order for calibration is front left center front right surround right surround left subwoofer.

5. Press the TEST button to exit the setting. For a more detailed explanation of how to calibrate the speaker levels, see page 20. MENU: When in the DVD mode, this button displays the DVD menu. MUTING button [26] Activates the mute function. ZONE 2/SEARCH/ENTER button ZONE 2: Not used with the TX-DS595. SEARCH: When in the DVD mode, for finding the specific section on a disc where you want to start playback. ENTER: When in the MD mode, for confirming the selection. 9 Connections Here is explanation of how to connect the main components to the TX-DS595 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 instructions that came with the component that you are connecting.



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· 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 V) are used for video connection. · Do not bind audio/video connection cables with power cords and speaker cables. Doing so may adversely affect the picture and sound quality. · When using the digital inputs, make sure to also connect the analog connections whenever possible. · Insert all plugs and connectors securely. Improper connections can result in noise, poor performance, or damage to the equipment.

Improper connection Inserted completely · When using one of the optical input jacks, remove the protective cap and keep it safely. When the jack is not used, replace the protective cap. · When using an optical input jack, always use an optical fiber cable. Optical digital input terminal An optical digital input terminal is equipped with a protection cap. When connecting, remove this cap.

When not using, put the cap back on the terminal. Connecting antennas [17] Connecting your video components [12] Cautions regarding the AC OUTLETS connectors [14] Connect to devices with z terminals [13] Connecting speakers [15] ANTENNA FRONT SPEAKERS A CENTER SPEAKER SURROUND SPEAKERS B PHONO CD OUT TAPE IN L R FRONT L AV RECEIVER R L SURR CENTER OPTICAL COAXIAL MODEL NO. TX-DS595 R CAUTION: L AC OUTLETS AC 230-240 V 50 Hz SWITCHED TOTAL 100W MAX. SEE INSTRUCTION MANUAL FOR CORRECT SETTING. 1 2 GND 1 6 OHMS MIN. / SPEAKER 4 OHMS MIN. / SPEAKER 2 R SUBWOOFER PRE OUT MULTI CHANNEL INPUT SUB WOOFER SET BEFORE POWER ON DIGITAL INPUT IMPEDANCE SELECTOR Connecting a subwoofer [15] Connecting your audio components [11] Connect to devices with multichannel output [14] 120V VOLTAGE SELECTOR 220-230V Voltage selector [5] For worldwide models only Default setting Input source DVD VIDEO 1 VIDEO 2 VIDEO 3 VIDEO 4 TAPE FM AM PHONO CD Digital input COAX 1 COAX 2 ---OPT 2 ----- Multichannel Yes No No No No No ---OPT 1 No No COAX: Coaxial OPT: Optical ----: No setting : Not applicable 10 Connections : Signal flow Audio connection cable Left (White) L Analog audio output Right (Red) L (White) R R (Red) 2. CD player (CD) Digital audio output (optical) ANTENNA AM Analog audio output L (White) 1. Turntable (PHONO) FM 75 REMOTE CONTROL MONITOR OUT DVD IN VIDEO 1 OUT IN VIDEO 2 VIDEO IN IN PHONO CD OUT TAPE IN R (Red) L R Ground wire (earth) GND FRONT L SURR CENTER OPTICAL COAXIAL 1 2 1 2 Analog audio input L (White) 3. Tape deck, MD recorder, DAT deck, CD recorder, (TAPE) R SUBWOOFER PRE OUT MULTI CHANNEL INPUT SUB WOOFER DIGITAL INPUT R (Red) L (White) R (Red) Analog audio output Connecting your audio components Below is an example of how you can connect your audio components to the TX-DS595. Refer to the diagram above for the following connection examples. 1. Connecting a turntable (PHONO) Using an RCA-type audio connection cable, connect the output terminal on the turntable to the PHONO input jacks on the TXDS595. Make sure that you properly connect the left channel to the L jack and the right channel to the R jack. Note: The TX-DS595 is designed for use with moving magnet cartridges.

For proper operation, connect a ground (or earth) wire to the GND terminal. For some turntables, however, connecting the ground wire may cause increased noise, and in such a case, a ground wire is not necessary and should not be connected. 2. Connecting a compact disc player (CD) Using an RCA-type audio connection cable, connect the output terminal on the compact disc player to the CD input jacks on the TXDS595. Make sure that you properly connect the left channel to the L jack and the right channel to the R jack. If the compact disc player has a digital output jack as well, be sure to also connect it to either a DIGITAL INPUT (COAXIAL) or DIGITAL INPUT (OPTICAL) jack on the TX-DS595 depending on the type of connector on the compact disc player. With the initial settings of the TX-DS595, the CD input source is set for digital input at the OPTICAL 1 jack. If the digital connection is made at a different jack, this must be changed at the setup menu: Input Setup Audio Setup Digital Input (see page 29). 3. Connecting a cassette tape deck, MD recorder, DAT deck, or CD recorder (TAPE) Using an RCA-type audio connection cable, connect the output terminals (PLAY) of the device to the TAPE IN jacks on the TXDS595 and the input terminals (REC) to the TAPE OUT jacks.

Make sure that you properly connect the left channel to the L jack and the right channel to the R jack. If the device has a digital output jack as well, be sure to also connect it to either a DIGITAL INPUT (COAXIAL) or DIGITAL INPUT (OPTICAL) jack on the TX-DS595 depending on the type of connector on the device. With the initial settings of the TX-DS595, the TAPE input source is set for no digital input. If you connect the device to the DIGITAL INPUT terminal, then this input source must be set for digital input at the setup menu: Input Setup Audio Setup Digital Input (see page 29). 11 Connections MONITOR OUT DVD IN VIDEO 1 OUT IN VIDEO 2 VIDEO 3 IN IN Video output V VIDEO VIDEO Video output S video output S video 4.

DVD player (DVD) NO CD REMOTE CONTROL S VIDEO S VIDEO OUT TAPE IN L (White) L R R Analog audio output R (Red) S video output L (White) FRONT L SURR CENTER OPTICAL COAXIAL 1 2 1 Analog audio output R (Red) ER 2 Digital audio output (Coaxial) R UT MULTI CHANNEL INPUT SUB WOOFER 5. VCR (VIDEO 1) Digital audio output (Coaxial) DIGITAL INPUT Video input S video input : Signal flow R (Red) Analog audio input L (White) Audio connection cable Left (White) L Video connection cable S Video connection cable Right (Red) R Video output S video output 7. TV monitor or Projector (MONITOR OUT) MONITOR OUT DVD IN VIDEO 1 OUT IN VIDEO 2 VIDEO 3 IN IN Video input S video input NO CD VIDEO L (White) 6. Satellite tuner, TV, or settop box (VIDEO 2 / VIDEO 3) Analog audio output REMOTE CONTROL S VIDEO OUT TAPE IN R (Red) L R FRONT L SURR CENTER OPTICAL COAXIAL 1 2 1 2 R ER UT MULTI CHANNEL INPUT SUB WOOFER DIGITAL INPUT Digital audio output (optical) Connecting your video components Below is an example of how you can connect your video components to the TX-DS595. Refer to the diagram above for the following connection examples.



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The flow of the video signals is as follows: · The signal that comes in from VIDEO IN is sent to VIDEO OUT. · The signal that comes in from S VIDEO IN is sent to S VIDEO OUT 4. Connecting a DVD player (DVD) If the device is equipped with an S video output terminal, connect it to the DVD S VIDEO IN terminal with an S video cable. If it does not have an S video output terminal, connect its video output terminal to the DVD VIDEO IN terminal using an RCA-type video connection cable. You do not need to connect to both the DVD S VIDEO IN and DVD VIDEO IN terminals. Using an RCA-type audio connection cable, connect the audio output terminal on the device to the audio DVD IN jacks on the TXDS595. Make sure that you properly connect the left channel to the L jack and the right channel to the R jack. If the device has a digital output jack as well, be sure to also connect it to either a DIGITAL INPUT (COAXIAL) or DIGITAL INPUT (OPTICAL) jack on the TX-DS595 depending on the type of connector on the DVD player. With the initial settings of the TX-DS595, the DVD input source is set for digital input at the COAXIAL 1 jack. If the digital connection is made at a different jack, this must be changed at the setup menu: Input Setup Audio Setup Digital Input (see page 29).

5. Connecting a video cassette recorder (VIDEO 1) If the video cassette recorder is equipped with an S video output terminal, connect it to the S VIDEO 1 IN terminal with an S video cable. If it does not have an S video output terminal, connect its video output terminal to the VIDEO 1 IN terminal using an RCA-type video connection cable. You do not need to connect to both the S VIDEO 1 IN and VIDEO 1 IN terminals. Using an RCA-type audio connection cable, connect the audio output terminal on the video cassette recorder to the same VIDEO 1 IN audio jacks on the TX-DS595 and audio input terminal to the VIDEO 1 OUT audio jacks. Make sure that you properly connect the left channel to the L jack and the right channel to the R jack. 12 Connections If the device has a digital output jack as well, be sure to also connect it to either a DIGITAL INPUT (COAXIAL) or DIGITAL INPUT (OPTICAL) jack on the TX-DS595 depending on the type of connector on the device. With the initial settings of the TX-DS595, the VIDEO 1 input source is set for digital input at the COAXIAL 2 jack. If the digital connection is made at a different jack, this must be changed at the setup menu: Input Setup Audio Setup Digital Input (see page 29). 6.

Connecting a satellite tuner, television, or settop box (VIDEO 2/3) If the device is equipped with an S video output terminal, connect it to the S VIDEO 3 IN terminal with an S video cable. If it does not have an S video output terminal, connect its video output terminal to the VIDEO 3 IN terminal using an RCA-type video connection cable. You do not need to connect to both the S VIDEO 3 IN and VIDEO 3 IN terminals. Using an RCA-type audio connection cable, connect the audio output terminal on the satellite tuner or television to the same VIDEO 3 IN audio jack on the TX-DS595. Make sure that you properly connect the left channel to the L jack and the right channel to the R jack.

If the device have a digital output jack as well, be sure to also connect it to either a DIGITAL INPUT (COAXIAL) or DIGITAL INPUT (OPTICAL) jack on the TX-DS595 depending on the type of connector on the device. With the initial settings of the TX-DS595, the VIDEO 3 input source is set for digital input at the OPTICAL 2 jack. If the digital connection is made at a jack different from the initial settings, this must be changed at the setup menu: Input Setup Audio Setup Digital Input (see page 29). You can also connect the device to the VIDEO 2 IN input jacks on the TX-DS595 just like you can to the VIDEO 3 IN input jacks.

With the initial settings of the TX-DS595, the VIDEO 2 input source is set for no digital input.

If you connect the device to the DIGITAL Input terminal, then this input source must be set for digital input at the setup menu: Input Setup Audio Setup Digital

Input (see page 29). 7. Connecting a television monitor or projector (MONITOR OUT) If the monitor or projector is equipped with an S video output terminal, connect it to the MONITOR OUT S VIDEO terminal with an S video cable. If it does not have an S video output terminal, connect its video output terminal to the MONITOR OUT VIDEO terminal using an RCA-type video connection cable. You do not need to connect to both the MONITOR OUT S VIDEO and MONITOR OUT VIDEO terminals. Connect to devices with z terminals The z terminal on the TX-DS595 is for connecting other Onkyo components equipped with the same z terminal. When a component are z-connected, you can point the remote controller supplied with the TX-DS595 at the sensor on the TX-DS595 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 operations given below. Power on/ready function When the TX-DS595 is in the standby state, if an z-connected component is turned on, then the TX-DS595 also turns on and the input source selected at the TX-DS595 automatically switches to that component. If the power cord for an z-connected component is connected to the AC OUTLET on the TX-DS595, or if the TX-DS595 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-DS595 automatically changes to that component. Power off function When the TX-DS595 is placed in the standby state, all zconnected components are also automatically put into the standby state. CAUTION If an MD recorder is connected to the TAPE jack on the TX-DS595, switch the Input Selector from TAPE to MD (see page 16). TX-DS595

REMOTE CONTROL z connector Ex: Onkyo CD player z connector Ex: Onkyo cassette tape deck To connect components using the z terminal, simply connect a remote control cable from this z terminal to the z terminal of the other component. An z remote control cable with a 1/8-inch (3.5mm) miniature two-conductor plug comes with every cassette tape deck, compact disc player, MD recorder, and DVD player that has an z terminal. · For remote control operation, the audio connection cables must also be connected. · The RC-447M remote controller does not support turntables. · If a component has two z terminals, you can use either one to connect to the TX-DS595. The other one can be used to daisy chain with another component.

· 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 38). 13 Connections Connect to devices with multichannel output 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-DS595 to the peripheral device.



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*TX-DS595 MULTI CHANNEL INPUT FRONT* Cautions regarding the AC OUTLETS connectors The TX-DS595 is supplied with AC mains outlets for connecting the power cords from other devices so that their power is supplied through the TX-DS595.

By doing this, you can use the STANDBY/ ON button on the TX-DS595 to turn on and off the connected devices as well. The shape, number, and total capacity of the AC outlets may differ depending on the area of purchase. Caution: Make sure that the total 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).

L SURR CENTER OPTICAL COAX 1 2 GND R SUBWOOFER PRE OUT MULTI CHANNEL INPUT SUB WOOFER DIGITAL INPUT L (White) L (White) R (Red) R (Red) AC OUTLET SWITCHED 100W MAX. Front output Surround output Center output Subwoofer output AC OUTLETS AC 230-240 V 50 Hz SWITCHED TOTAL 100 W MAX. DVD Player/MPEG decoder ex. European and some Asian models ex. USA and Canadian models Connecting speakers Positioning speakers Speaker placement plays an important role in the reproduction of Surround sound. The placement of the speakers varies depending on the size of the room and the wall coverings used in the room. The illustration 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. TV or Screen Front left speaker Subwoofer Center speaker Front right speaker Standard speaker placement 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 produce the best Surround sound possible.

*Front:* The left, right, and center speakers should face the seated listener and be placed at ear level. The center speaker produces a richer sound image by enhancing the perception of the sound's source and movement. *Surround:* 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. These speakers produce the feel of a moving sound while creating the sensation of being in the middle of the action. *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 too much, so you can install it with the room layout in mind.

Refer to the speaker's instruction manual for more details. Surround left speaker Listener Surround right speaker 14 Connecting speakers Connecting speakers 1. Check the impedance of the speakers you are connecting. The TX-DS595 requires speakers with an impedance of 4 or greater. Connecting speakers with an impedance of less than 4 may damage the TX-DS595. 2. Set the IMPEDANCE SELECTOR switch according to the impedance of the speakers being connected. If all speakers have an impedance of 6 or greater, slide the IMPEDANCE SELECTOR switch to the left (6 OHMS MIN./SPEAKER).

If one or more speakers have an impedance of less than 6, slide the IMPEDANCE SELECTOR switch to the right (4 OHMS MIN./SPEAKER). 6 OHMS MIN. /SPEAKER 4 OHMS MIN. /SPEAKER 6 OHMS MIN. /SPEAKER

· 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. · Do not connect more than one speaker cable to one speaker terminal. Doing so may damage the TX-DS595. · Use FRONT SPEAKERS B terminals to connect a second pair of front speakers. · When you listen to surround audio or select Multichannel, be sure to turn on SPEAKERS A. Connecting the speaker cable 1. Strip away 5/8 inch (15 mm) of wire insulation. 2.

Twist wire ends very tight. 3. Unscrew SET BEFORE POWER ON SET BEFORE POWER ON IMPEDANCE SELECTOR IMPEDANCE SELECTOR 4 or above/speaker 6 or above/speaker 4. Insert wire 5. Screw 1 15mm (5/8") Notes: · The power to the TX-DS595 must not be turned on when changing the IMPEDANCE SELECTOR setting. · 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. · To prevent damage to circuitry, never short-circuit the positive (+) and negative (-) speaker wire. 2 3 4 5 NO! ++ R L ++ R L Connecting a subwoofer Use the PRE OUT SUBWOOFER jack to connect a subwoofer with a built-in power amplifier. If your subwoofer does not have a built-in amplifier, connect an amplifier to the PRE OUT SUBWOOFER jack and the subwoofer to the amplifier. NO! Front right speaker A Front left speaker A Surround right speaker Surround left speaker ANTENNA FRONT SPEAKERS A CENTER SPEAKER SURROUND SPEAKERS R AM L R L MONITOR OUT DVD IN VIDEO 1 OUT IN VIDEO 2 VIDEO 3 IN IN VIDEO FM 75 REMOTE CONTROL S VIDEO FRONT SPEAKERS B PHONO CD OUT TAPE IN L R FRONT L AV RECEIVER R L SURR CENTER OPTICAL COAXIAL MODEL NO.

TX-DS595 R CAUTION: L AC OUTLETS AC 230-240 V 50 Hz SWITCHED TOTAL 100W MAX. SEE INSTRUCTION MANUAL FOR CORRECT SETTING. 1 2 GND 1 6 OHMS MIN. /SPEAKER 4 OHMS MIN. /SPEAKER 2 R SUBWOOFER PRE OUT MULTI CHANNEL INPUT SUB WOOFER SET BEFORE POWER ON DIGITAL INPUT IMPEDANCE SELECTOR Subwoofer Center speaker Front right speaker B Front left speaker B 15 Connecting the power SEND/LEARN indicator STANDBY indicator STANDBY/ON RCVR MODE A SPEAKERS B CH LEVEL SEND / LEARN PREPROG RAMMED & LEARNING CAPABILITY ON P SLEE ON STDBY STDBY MO DE MD MACRO DIRE CT CD MODE DVD RCV R CABLE VCR T SA URN SET UP TV RET MASTER VOLUME STANDBY/ON CH DISC VOL DSP / MODE ADJ SETUP STANDBY RETURN AUDIO CH TO SEL P ME NU ANGLE T TES MENU SUBTITLE MUTING POWER TV / VCR PUSH TO ENTER ON OFF DISPLAY RT / PTY / TP FM MODE PRESET MEMORY TUNING PRESET SMART SCAN NAVIGATOR LEVEL RANDOM BASS PHONES AUDIO SELECTOR OPEN / CLOSE TREBLE REC DVD VIDEO 1 VIDEO 2 VIDEO 3 TAPE FM AM PHONO CD VCR INPUT SELECTOR DVD CD AV RECEIVER TX-DS595 V1 V2 T1 T2 V3 STEREO V4 TUN DIRECT DSP PH 1 SURR 2 A.

ST 3 DSP 4 5 SP B 6 Re-EQ POWER SP A To wall outlet 7 DISPLAY 8 DIMMER 9 ZONE 2 +10 -- / --- 0 SEARCH ENTER HOME THEATER CONTROLLER RC-447M · The TX-DS595 is shipped with the main power (POWER) switch in the on position ( ON). When the power cord is plugged in for the first time, the TX-DS595 will automatically enter the standby state and the STANDBY indicator will light (same condition after step 2 below).



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· Before you plug in the TX-DS595, confirm that all connections have been made properly. · Turning on the power may cause a momentary power surge, which might interfere with other electrical equipment on the same circuit, such as computers. If this happens, use a wall outlet on a different circuit.

1. Plug the power cord into an AC wall outlet. To change the display of the input source from TAPE to MD: If you connected an MD recorder to the TAPE jack on the TXDS595, you can have "MD" appear when the TAPE source button is pressed. By changing the display, if an Onkyo MD recorder is connected, the z system functions will become enabled. Changing the display: Press and hold down the TAPE source button until the display changes from TAPE to MD (approx. 3 seconds). TAPE 2. Press the POWER switch to set the TX-DS595 to standby state. The STANDBY indicator will light up. STANDBY POWER ON OFF To return the display to its original setting, perform the same procedure.

This setting is necessary to allow z system functions for the connected cassette tape or MD recorder. 3. Press the STANDBY/ON button to turn on the TX-DS595. The display and four jog dial indicators will light up and the STANDBY indicator will turn off. If you press the STANDBY/ON button again, the receiver returns to Standby mode. STANDBY/ON STANDBY Turn off Turning the power on from the remote controller: Before you can use the remote controller, you must perform steps 1 and 2 above and place the TX-DS595 in the standby state. 1. Press the RCVR MODE button. The RCVR MODE button lights green. 2.

Press the ON button to turn on the TX-DS595 (take it out of the standby state). To return the TX-DS595 to the standby state, press the STDBY button. Memory preservation This unit does not require memory preservation batteries. A builtin memory power backup system preserves the contents of the memory during power failures and even when the POWER switch is set to off. The POWER switch must be set to on in order to charge the backup system.

The memory preservation period after the unit has been turned off varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time the unit has been turned off. This period is shorter when the unit is exposed to a highly humid climate. 16 Connecting antennas To use the tuner of TX-DS595, it is necessary to prepare the supplied FM and AM antennas. · Adjustment and placement of the FM and AM antennas for better reception must be done while listening to a station broadcast.

· If better reception cannot be obtained, then placement of an outside antenna is recommended. Connecting the included antennas Connecting the FM indoor antenna: 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. Connecting the AM loop antenna: The AM loop antenna is for indoor use only. Set it in the direction and position where you receive the clearest sound. Put it as far away as possible from the TX-DS595, 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. FM antenna (Indoor) AM loop antenna Assembling the AM loop antenna Assemble the loop antenna as shown in the illustration.

· Refer to "Connecting the AM loop antenna" below for details on connecting the loop antenna. Insert into the hole. Other models Connecting the AM antenna cable 1. Press down the lever. 2. Insert the wire into the hole. 3. Release the lever. 1 2 3 ANTENNA USA and Canadian models AM FM 75 Strip away the insulation from the end of the cable, then fully insert the stripped end of the cable. Hint: Either of the split ends of the AM antenna can be connected to either terminal.

Unlike speaker cabling, there is no polarity for AM broadcast signals. 17 Connecting antennas Connecting an FM outdoor antenna Please make sure that you follow the considerations: · Keep the antenna away from noise sources (neon signs, busy roads, etc.). · It is dangerous to put the antenna 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. Directional linkage Do not use the same antenna 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, use a directional linkage type splitter. To receiver ANTENNA To TV (or VCR) AM Connecting the antenna cable to the 75/300 antenna adapter (For all models other than USA, Canadian and European models) Connecting the 300 ribbon wire: Loosen the screws and wrap the wire around these screws.

Then tighten the screws with a screwdriver. FM 75 Connecting an AM outdoor antenna An outdoor antenna will be more effective if it is stretched horizontally above a window or outside. · Do not remove the AM loop antenna. · 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. Outdoor antenna 300 ribbon wire Connecting the coaxial cable: 1. With your fingernail, or a small screwdriver, press the stoppers of the 75/300 antenna adapter outward and remove the cover. 2. Remove the transformer wire A from slit B and insert it into slit C. 3.

Prepare the coaxial cable as shown in the diagram. 4. Connect the 75/300 antenna adapter to the coaxial cable. 1. Insert the end of the cable. 2. Clamp it in place with pliers. 5. Reinstall the cover. Outdoor antenna ANTENNA (Indoor) AM loop antenna AM 1 FM 75 2 Slit B 3, 4 636 mm mm mm 15mm 5/8" Wire A Note: If you are using the TX-DS595 worldwide model in a region where AM frequencies are delineated by 10-kHz steps, be sure to set the AM Freq Step Setup setting accordingly (see page 32).

Slit C 18 Speaker setup Follow the steps below before you start operating the unit. SEND / LEARN PREPROG RAMMED & LEARNING CAPABILITY SETUP RETURN ENTER P SLEE ON STDBY MACRO DIRE CT CD MODE DVD MO DE RCV R MD CABLE VCR T SA URN SET UP TV SETUP RET A SPEAKERS B CH LEVEL MASTER VOLUME STANDBY/ON CH DISC VOL DSP / MODE ADJ SETUP STANDBY RETURN AUDIO CH TO SEL P ME NU T TES MENU SUBTITLE MUTING POWER ANGLE TV / VCR PUSH TO ENTER LEVEL ON OFF DISPLAY RT / PTY/ TP FM MODE PRESET MEMORY TUNING PRESET SMART SCAN NAVIGATOR RANDOM BASS PHONES AUDIO SELECTOR OPEN / CLOSE TREBLE REC DVD VIDEO 1 VIDEO 2 VIDEO 3 TAPE FM AM PHONO CD INPUT SELECTOR VCR DVD CD AV RECEIVER TX-DS595 V1 V2 T1 T2 V3 STEREO V4 TUN DIRECT DSP PH 1 SURR 2 A.



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ST 3 DSP Jog dial and indicators RETURN 4 SP A 5 SP B 6 Re-EQ 7 DISPLAY 8 DIMMER 9 ZONE 2 +10 -- / --- 0 SEARCH ENTER HOME THEATER CONTROLLER RC-447M DSP / MODE ADJ Speaker Configuration These settings tell the TX-DS595 which speakers you have connected and what size they are. 1. Press the SETUP button.

**TX-DS595 SETUP** Then turn the jog dial or press the or cursor button on the remote controller to set the size of your front speakers. **PUSH TO ENTER** Remote controller **LARGE**: Select if the front speakers are large sized. **SMALL**: Select if the front speakers are small sized. · If "NO" is selected for the Subwoofer setting, then this setting is fixed to "LARGE". 6.

Press either the jog dial or the cursor button on the remote controller once. **DSP / MODE ADJ** If anything other than "1. SPEAKER SETUP" appears, turn the jog dial or press the and cursor buttons on the remote controller until "1. SPEAKER SETUP" appears. **PUSH TO ENTER DSP / MODE ADJ PUSH TO ENTER** The display changes as follows: "1. SPEAKER SETUP" "2. INPUT SETUP" "3. PREFERENCE." \* If the indicators directly above and below the jog dial are lit, turning the jog dial selects a group of settings and pushing the jog dial enters the selected group (i.e.

takes you one level down). 2. Press the jog dial or ENTER button on the remote controller. **DSP / MODE ADJ** Then turn the jog dial or press the or cursor buttons on the remote controller to set whether or not a center speaker is connected and, if one is connected, its size. **DSP / MODE ADJ PUSH TO ENTER NONE**: Select if no center speaker is connected. **LARGE**: Select if the center speaker is large sized. **SMALL**: Select if the center speaker is small sized. · If "SMALL" is selected for the Front setting, then "LARGE" cannot be selected for this setting. 7. Press either the jog dial or the cursor button on the remote controller once.

**DSP / MODE ADJ PUSH TO ENTER PUSH TO ENTER** 3. Press the jog dial or ENTER button on the remote controller. **DSP / MODE ADJ PUSH TO ENTER** Then turn the jog dial or press the or cursor button on the remote controller to set whether or not surround speakers are connected and, if they are connected, their size. **DSP / MODE ADJ PUSH TO ENTER DSP / MODE ADJ** 4. Turn the jog dial or press the or cursor buttons on the remote controller to set whether or not a subwoofer is connected.

**YES**: Select when a subwoofer is connected. **NO**: Select when a subwoofer is not connected. **PUSH TO ENTER NONE**: Select if no surround left and right speakers are connected. **LARGE**: Select if the surround left and right speakers are large sized. **SMALL**: Select if the surround left and right speakers are small sized.

· If "SMALL" is selected for the Front setting, then "LARGE" cannot be selected for this setting. Pressing the jog dial again or subwoofer setting. 8. Press the RETURN button. cursor button returns you to the \* If the indicators directly to the left and right of the jog dial are lit, turning the jog dial changes the setting of the currently selected parameter and pushing the jog dial displays the next parameter. RETURN **DSP / MODE ADJ** You return to the "SPEAKER CONFIG?" display. Notes: · If you press the RETURN button again, you go back up one more level. · To exit the setup mode immediately, press the SETUP button. 5. Press either the jog dial or the cursor button on the remote controller once.

**PUSH TO ENTER 19 Speaker setup Speaker Distance** These settings tell the TX-DS595 how far away your speakers are located from the listening position so that it can provide the optimum sound space. If you are continuing from setting the speaker configuration and are still in the setup mode, skip directly to step

2. 1. Press the SETUP button. If anything other than "1. SPEAKER SETUP" appears, turn the jog dial or press the and cursor buttons on the remote controller until "1. SPEAKER SETUP" appears. **SETUP Level Calibration** These settings allow you to set the volume levels of each speaker individually so that they all sound at the same level when heard from the listening position. If you are continuing from setting the speaker distances and are still in the setup mode, skip directly to step 2. 1.

Press the SETUP button. If anything other than "1. SPEAKER SETUP" appears, turn the jog dial or press the and cursor buttons on the remote controller until "1. SPEAKER SETUP" appears. **SETUP DSP / MODE ADJ DSP / MODE ADJ PUSH TO ENTER PUSH TO ENTER** 2.

Press the jog dial or the ENTER button on the remote controller. **DSP / MODE ADJ** 2. Press the jog dial or the ENTER button on the remote controller. Then turn the jog dial or press the cursor button on the remote controller to display the "LEVEL CAL." **DSP / MODE ADJ PUSH TO ENTER DSP / MODE ADJ PUSH TO ENTER** cursor Then turn the jog dial or press the button on the remote controller to display "SPEAKER DISTANCE.

" **DSP / MODE ADJ PUSH TO ENTER PUSH TO ENTER** 3. Press the jog dial or the ENTER button on the remote controller. **DSP / MODE ADJ** 3. Press the jog dial or ENTER button on the remote controller. A test sound (pink noise) will be heard from the left front speaker. At this point, it is not necessary to adjust the volume of the test sound. **dB DSP / MODE ADJ PUSH TO ENTER PUSH TO ENTER** Then turn the jog dial or press the and cursor buttons on the remote controller to select the unit of measurement. **DSP / MODE ADJ PUSH TO ENTER DSP / MODE ADJ FEET**: Select if you will enter the distances in feet. **METERS**: Select if you will enter the distances in meters. **DSP / MODE ADJ** 4.

Press either the jog dial or the cursor button on the remote controller again. The test sound will now be heard from a different speaker. **PUSH TO ENTER** 4. Press the jog dial or the cursor button on the remote controller. **PUSH TO ENTER DSP / MODE ADJ** Then turn the jog dial or press the and cursor buttons on the remote controller to set the distance from the front speakers to the listening position. **ft DSP / MODE ADJ PUSH TO ENTER** 5. Turn the jog dial or press the or cursor buttons on the remote controller to adjust the volume of the test sound from this speaker to the same level that you heard from the previous speaker. **PUSH TO ENTER** You can adjust the level in the range between -12 dB and +12 dB. 6. Repeat the procedure in step 4 and 5 until the volume of the test sound from all speakers is the same level.

Each time you press the jog dial or the button on the remote controller, the test sound will be heard from a different speaker. The speaker order for calibration is **LEFT** (front left) **CENTER** (center) **RIGHT** (front right) **SURR RIGHT** (surround right) **SURR LEFT** (surround left) **SUBWOOFER** (subwoofer).



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