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You can read the recommendations in the user guide, the technical guide or the installation guide for PIONEER VSX-609RDS. You'll find the answers to all your questions on the PIONEER VSX-609RDS in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Pioneer

**AUDIO/VIDEO
MULTI-CHANNEL RECEIVER**

**VSX-709RDS
VSX-609RDS**

Operating Instructions



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Manual abstract:

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. @@@@As the colours of the wires in the mains lead of this appliance may not correspond with 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. Do not connect either wire to the earth terminal of a three - pin plug. NOTE After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost replacement fuse covers can be obtained from: your dealer. Only 5 A fuses approved by B.S.I. or

A.

S.T.A. to B.S.

1362 should be used. Thank you for buying this Pioneer product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference. In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings.

However, the method of connecting and operating the unit is the same. WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. This product complies with the Low Voltage Directive (73/23/EEC), EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC). THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION. Power cord CAUTION! Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on.

A damaged power cord can cause a fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement. Maintenance of External Surfaces · Use a polishing cloth or dry cloth to wipe off dust and dirt. · When the surfaces are dirty, wipe with a soft cloth dipped in some neutral cleanser diluted five or six times with water, and wrung out well, and then wipe again with a dry cloth. Do not use furniture wax or cleansers. · Never use thinners, benzine, insecticide sprays or other chemicals on or near this unit, since these will corrode the surfaces. 2 En Table of Contents Features ...

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..... 56 58 63 66 *Features Decoding of DTS (Digital Theater Systems) This is the latest and most widely used digital theater system for cinemas throughout the world.*

The decoder has been incorporated into this receiver and is able to achieve high sound quality as well as produce dynamic surround sound effects.

Manufactured under license from Digital Theater Systems, Inc. US Pat. No. 5,451,942 and other worldwide patents issues and pending.

"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc. © 1996 Digital Theater Systems, Inc. All right reserved. Decoding of Dolby Digital and Dolby Pro Logic No need to worry about program formats. When playing Dolby Digital or Dolby Surround software in the 2 (Dolby) Surround mode, decoding switches automatically according to the input signal.

When connecting a DVD/LD player or LD player using the 2 RF output, a commercially available RF demodulator (RFD-1) is required. Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. © 1992 - 1997 Dolby Laboratories. All rights reserved. RDS (Radio-Data System) With the RDS system, FM stations can send additional information with their regular programs. For example, the stations send their station name, and information about the type of programs they broadcast, such as news, sports or music. This unit receives three types of RDS information: Radio Text (RT), Programme Service Name (PS), and Programme Type (PTY). When EON is turned on and a function other than the tuner is set, the function will switch to the FM station automatically when Traffic Information or News begins.

Advanced Theater Modes Four sound modes that enhance DTS and Dolby Surround performance by simulating the environment of a movie theater (DRAMA, ACTION), or the ambience of a concert hall (MUSICAL). With EXPANDED THEATER, you can enjoy Dolby Surround encoded software in simulated Dolby Digital. DSP Surround Modes DSP (Digital Signal Processing) surround modes give you the capability of transforming your living room into six different sonic environments when listening to music or movies. Midnight Listening Mode Midnight Listening mode allows you to obtain excellent surround sound effects even when listening at low volumes, sdes of the batteries properly according to the marks in the battery case.



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⚠ Batteries with the same shape may have different voltages. Do not use different batteries together. VSX-709RDS Dry cell batteries (AA size IEC LR6 × 2)
Operating range of remote control The remote control may not work properly if: ⚠ There are obstacles between the remote control and the receiver's remote sensor. ⚠ Direct sunlight or fluorescent light is shining onto the remote sensor. ⚠ The receiver is located near a device that is emitting infrared rays. ⚠ The receiver is operated simultaneously with another infrared remote control.

+ + - 30 30 1 2 4 5 6 3 7m Operating other Pioneer components By connecting a control cord (optional), you can control other Pioneer equipment using this remote control. Point the remote control towards the remote sensor of this unit, even when operating other equipment. The remote control signals are received by the remote sensor of this unit, and sent to the other devices via the CONTROL OUT terminal. CONTROL CONTROL OUT IN OUT VSX-709RDS/VSX-609RDS Other Pioneer products with \hat{I} mark You can also control Pioneer components by pointing the receiver's remote control directly at the component. This type of operation does not require control cords.

Remote control Connect to CONTROL IN terminal of other Pioneer products with \hat{I} mark. 6 En Connecting Your Equipment Before making or changing the connections, switch off the power and disconnect the power cord from the AC outlet. Audio Components To begin set up connect your audio components to the jacks as shown below. These are all analog connections and your analog audio components (cassette deck etc.) use these jacks.

Remember that for components you want to record with you need to hook up four plugs (a set of stereo ins and a set of stereo outs), but for components that only play you only need to hook up one set of stereo plugs (two plugs). To use Digital sources features you must hook up your digital components to the digital inputs, but it is also a good idea to hook up your digital components to analog audio jacks. If you want to record to/from digital components (like an MD) to/from analog components you must hook up your digital equipment with these analog connections. See p.9, 10 for more on digital connections. Set up · Only the VSX-709RDS has S-video jacks and optical digital out jack. · The arrows indicate the direction of the audio signal. VSX-709RDS OUTPUT REC PLAY L R L R CD player CD-R or Cassette deck or MD recorder 7 Audio cords Use audio cords (not supplied) to connect the audio components. R L Connect red plugs to R (right) and white plugs to L (left). Be sure to insert completely.

Cassette deck placement Depending on where the cassette deck is placed, noise may occur during playback of your cassette deck which is caused by leakage flux from the transformer in the receiver. If you experience noise, move the cassette deck farther away from the receiver. 7 En Connecting Your Equipment Video Components Connect your video components to the jacks as shown below. Regarding digital video components (like a DVD player), you must use the analog connections pictured on this page for the video signal but in order to use a digital source you should hook up their audio to a digital input (see the next page). It is also a good idea to hook up your digital components with analog audio connections as well (see the previous page). To cover all possible laser discs a DVD/LD player or LD player requires an analog connection (as shown here) and two digital connections (see the next page). TV tuner (or Satellite tuner) OUTPUT Video deck or DVR INPUT OUTPUT VIDEO L R VIDEO VIDEO L R L R VSX-709RDS VSX-709RDS only OUTPUT INPUT 7 Front VIDEO L R VIDEO Video camera (etc.) TV (monitor) V L R VIDEO OUTPUT DVD player (or LD player) Front video connection are accessed via the front panel input selector as "VIDEO." 7 Audio/Video cords Use audio/video cords (not supplied) to connect the video components and a video cord to connect the monitor TV. Connect red R plugs to R (right), L white plugs to L VIDEO (left), and the yellow plugs to VIDEO.

Be sure to insert completely. VSX-709RDS only If your video components have S-video jacks, you could use S-video cords (not supplied) to the S-video connector on the front and rear of the receiver. However, if you use S-video cords for your video hookups you must also hook up your TV with S-video connections. Conversely, if you use regular composite video cords for video hookups, you should use them for your TV as well. 8 En Connecting Your Equipment Digital Components In order to hear PCM/Dolby Digital/DTS soundtracks you need to make digital audio connections.

You can do this by either coaxial or optical connections (you do not need to do both). The quality of these two types of connections is the same, but since some digital components only have one type of digital terminal, it is a matter of matching like with like. The receiver has one coaxial and two optical inputs for a total of three digital inputs. You must assign the jacks to the proper component(s) (refer to pages 19-20). Connect your digital components as shown below. There is one digital out jack (VSX-709RDS only). If you connect this to the optical input on a digital recorder (currently these include MD, DAT and CD-R), you can make direct digital recordings with this receiver. Set up VSX-709RDS VSX-709RDS only DIGITAL OUT DIGITAL OUT COAX. OPT. DIGITAL IN DIGITAL OUT CD player DVD player CD-R or MD recorder or DAT 7 Digital audio cords/Optical cables Commercially available digital audio coaxial cords (standard video cords can also be used) or optical cables (not supplied) are used to connect digital components to this receiver. When you use optical digital input or output terminals, pull off the caps and insert the plugs. Be sure to insert completely. Digital audio cord (or standard video cord) Optical cable

9 En Connecting Your Equipment Example of connection using a DVD/LD or LD player When playing an LD recorded in Dolby Digital To connect a DVD/LD or LD player with its 2RF output, a commercially available RF demodulator (RFD-1) is required. The RF demodulator changes the digital signal to a form which can be processed by the VSX-709RDS/VSX-609RDS models through their digital input jacks. For more details, refer to the instruction manual supplied with the RFD-1.

VSX-709RDS RF OUT (AC-3)(LD) OUTPUT DIGITAL OUT 1 PCM (OPT.) VIDEO L 2 3 R DIGITAL IN OPTICAL COAXIAL RF demodulator RFD-1 DVD/LD player or LD player Make sure the RF demodulator digital in switch is set correctly (optical or coaxial depending on the connection). 10 En Connecting Your Equipment DVD 5.1 Channel Components In some cases, you may need an external decoder to play special DVD discs and the like.



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If you find you need an external decoder, hook one up as shown below. For most people this component is unnecessary. (See p.40) VSX-709RDS Set up Components equipped with 5.1 channel analog output jacks The 5.1 channel input can only be used when DVD 5.

1 CH is selected. 11 En Connecting Your Equipment Antennas Hook up the supplied radio antennas as shown below. AM loop antenna Assemble the antenna.

FM wire antenna Twist exposed wire strands together and insert into the hole, then snap the connector shut. 10mm Attach to a wall, etc.

(if desired) and face toward the direction providing the best reception. Connect the FM wire antenna and fully extend vertically along a window frame, etc.

Using external antennas 7 To improve FM reception Connect an external FM antenna. 7 To improve AM reception Connect a 5 6 meter length of vinyl-coated wire to the AM antenna terminal without disconnecting the supplied AM loop antenna. For the best possible reception, suspend horizontally outdoors.

Outdoor antenna Indoor antenna (Vinyl-coated wire) PAL connector 56m 75 coaxial cable 7 Speaker terminals 1 Twist exposed wire strands together. 2

Loosen speaker terminal and insert exposed wire. 10 mm 3 Tighten terminal. Use good quality speaker wire to connect the speakers to the receiver. 1 Twist

around 10 mm of bare wire strands together. 2 Unclip the speaker terminal and insert the wire. 3 Snap shut the speaker terminal to secure. a · VSX-709RDS

only 12 En Connecting Your Equipment Speakers A full complement of six speakers is shown here but, naturally, everyone's home setup will vary. Simply

connect the speakers you have in the manner described below. The receiver will work with just two stereo speakers (called "front" speakers in the diagram)

but it is recommended to be used with at least three speakers.

Make sure you connect the speaker on the right to the R (right) terminal and the speaker on the left to the L (left) terminal. Also make sure the positive and negative (+/-) terminals on the receiver match those on the speakers. The receiver has two speaker systems, A & B. A is the main system supporting the full complement of surround sound speakers. If you switch on both A & B speaker systems, only the front speakers and the sub woofer will be audible. No sound will come from the center or surround speakers but multi channel sources will be down-mixed to the active speakers so no sound will be lost. Similarly, if you choose just the B system you ll only hear the speakers connected to the B system, and multi channel sources will be down-mixed to these two speakers. Please use speakers rated between 8 16 . Set up Front Speakers (A) L R Center Speaker C Surround Speakers SR SL VSX-709RDS Powered sub woofer TV (To be used as the center speaker) Be sure to complete all other connections before connecting this unit to the AC power source. INPUT When using the speaker on your TV as the center speaker, connect the CENTER PREOUT jack on this unit to the audio input jack on your TV.

In this case, the center speaker shown is unnecessary. 13 En Connecting Your Equipment Speaker placement If you have a multiple speaker arrangement, the placement of the speakers is extremely important. To achieve the best possible surround sound, install your speakers as shown below. Make sure all speakers are installed securely to prevent accidents and improve sound quality. Be sure to consult your speaker manuals for the best placement of the speakers.

Some speakers are designed to be floor-standing but others benefit greatly from speaker stands which raise them off the floor. Front Left Center Front Right

Sub Woofer Surround Left Listening Position Surround Right · Install the left and right front speakers at equal distances from the TV. · When installing speakers near the TV, we recommend using magnetically shielded speakers to prevent possible interference such as distortion in the color of the TV screen. If you do not have magnetically shielded speakers, and notice discoloration of the TV screen, place the speakers farther away from the TV. · Install the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen.

CAUTION: When installing the center speaker on top of the TV, be sure to secure it with tape or some other suitable means. Otherwise, the speaker may fall from the TV due to external shocks such as earthquakes, and it may endanger those nearby or damage the speaker. · If possible, install the surround speakers slightly above ear level. · It may be difficult to obtain a cohesive surround effect if the surround speakers are installed farther away from the listening position than the front and center speakers. 14 En Preparations Before operating the receiver, be sure to press the main power button on the front panel to turn the

power ON (). Setting Up for Surround Sound To ensure the best possible surround sound, be sure to complete the following setup operations. This is particularly important when using the 2 (Dolby)/DTS mode. You only need to make these settings once (unless you change the placement of your current speaker system or add new speakers, etc.). Refer to the following pages for detailed descriptions of the settings available for each mode.

VSX-709RDS SOURCE RECEIVER 1 Press RECEIVER to turn the power on. Set up 1 CD-R TVC The STANDBY indicator goes out. DVD TV VCR 2 MULTI CONTROL RCV CD TUN 2 Press RCV (VSX-709RDS) or RECEIVER (VSX609RDS). This switches the remote control to the surround setup mode. 1

MIDNIGHT 2 5.1CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 7 +10 8 0 TV 3 Press @ or # to select the mode you want to set. For best results, start with "Speakers setting mode" and make your initial adjustments in the order described below. The current settings are displayed automatically. Speakers (Front, Center, Surround) setting mode (page 16) Use to specify the type of speakers you have connected. SUB WOOFER ON/PLUS/OFF setting mode (page 17) Use to specify the sub woofer as on or off.

Crossover frequency setting mode (page 17) Use to determine which frequencies will be sent to the sub woofer (or "Large" speakers if you don't have a sub woofer). LFE attenuator setting mode (page 17) Use to specify the peak level for the LFE channel and the crossover network for rerouted bass frequencies.

Low cut filter ON/OFF setting mode (page 18) Use to cut the distorted sound from the sub woofer. FRONT speakers distance setting mode (page 18) Use to specify the distance from your listening position to your front speaker. CENTER speaker distance setting mode (page 18) Use to specify the distance from your listening position to your center speaker.

SURROUND speakers distance setting mode (page 18) Use to specify the distance from your listening position to your surround speakers.



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Dynamic range control setting mode (page 19) Use to compress the dynamic range of the soundtrack. Dual mono setting mode (page 19) Use with Dolby Digital software that has dual mono encoding if you want to isolate one channel or listen in this specialized mono mode. Coaxial digital input setting (page 19) Use to specify the input to be assigned to the coaxial digital input. Optical digital input setting (page 20) Use to specify the input to be assigned to the optical digital input.

TV CONTROL TV VOL TVFUNC MASTER VOLUME MENU CHANNEL FQ ST ST ENTER ENTER 8 D.ACCESS FQ BAND CLASS 3 MPX 1 DISPLAY ; RF ATT 4 3 7 4 & VSX-609RDS Î MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD 2 CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 DSP MODE MIDNIGHT 5.1CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT 5 9 6 0 FUNC 7 8 CHANNEL LEVEL EFFECT 10 DISC CH VOL TV CONTROL FQ VOL ENTER MENU ST ENTER ST TOP MENU 4 3 FQ SOURCE CLASS MPX BAND 7 D.ACCESS 8 4 3 & CHANNEL DISPLA RF ATT Y 1 ; LOUDNESS FUNCTION MUTING 1 FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME Press ENTER to exit the setting mode. The setting mode is automatically exited if no operation is performed within 20 seconds. 4 Press % or fi to select the setting you want. The setting is entered automatically. 5 Repeat steps 3 and 4 to set other surround modes. 15 En Preparations Speakers (Front, Center, Surround) setting mode This setting establishes the size and configuration of the speaker system you have connected. So, for example, here you set whether you have connected surround speakers or not, and how big they are.

Selecting "Large" or "Small" will determine how much bass is sent by the receiver to the speakers being set. This setup system has certain constraints. For example, all your speakers cannot be set to "Large." You need to decide which speakers should receive the most bass and set them to "Large." In the display, "F", "C", and "S" refer to front, center, and surround speakers respectively. Speaker size is denoted as "L" for large speakers, "S" for small speakers, and "*" (asterisk) if no speaker is connected. * If the cone size (diameter) of the speaker is larger than 12 cm, please set to Large. Switch the speakers setting mode according to the speakers you hooked up. Use the % or fi buttons. The configurations shown on the right will appear in the display on the front of the receiver.

One of them should match your speaker setup. Cycle through the different possibilities until you find the one that matches your setup. FQ FQ ÷ Press # to advance to the next receiver setting, and press @ to return to a previous receiver setting. 16 En Preparations SUB WOOFER ON/PLUS/OFF setting mode Sets whether the sub woofer is used or not. Also, when used you have the option to use the "PLUS" setting.

· Initial setting is "ON". · Setting the front speaker size to "Small" in the Speakers setting mode automatically locks the sub woofer in the "ON" position. · Use the PLUS for extra bass. When you use PLUS, you will get the bass sounds from the sub woofer even if the front speakers are set to "Large". Set up dB Press % or fi to select sub woofer ON, PLUS or OFF.

Crossover frequency setting mode Crossover frequency is the point where the receiver divides the high and low sounds (the frequencies) between the speakers. Since most smaller speakers can't handle deep bass tones, this setting allows you to send those sounds to the sub woofer (or speakers set to "Large" if you don't have a sub woofer) instead of the speakers set to "Small" in your system. Choose the point at which you want the frequency routed to the sub woofer (or "Large" speakers). We recommend setting this to 200 Hz if smaller bookshelf-type speakers are used for your "Small" speakers. · Initial setting is "100 Hz". · If all speakers (front, center, and surround) are set to "Large" in Speakers setting mode, crossover frequency cannot be set because there are no "Small" speakers (*** appears in the display). dB Press % or fi to specify the crossover frequency for your small speakers (100 Hz, 150 Hz or 200 Hz). 100 Hz Sends bass frequencies below 100 Hz to the sub woofer (or "Large" speakers). 150 Hz Sends bass frequencies below 150 Hz to the sub woofer (or "Large" speakers). 200 Hz Sends bass frequencies below 200 Hz to the sub woofer (or "Large" speakers).

100Hz 150Hz 200Hz LFE attenuator setting mode Dolby Digital and DTS audio sources include ultra-low bass tones. Set the LFE (Low Frequency Effect) attenuator as needed to prevent the ultra-low bass tones from distorting the sound from the speakers. · Initial setting is "0 dB". · When is selected (appears in the display), LFE is not available. dB Press % or fi to set the attenuation level (0 dB, 10 dB or dB()). 0 dB 10 dB (display "***") 17 En Preparations Low cut filter ON/OFF setting mode Turn the low cut filter ON when distorted sound is output through the sub woofer. · Initial setting is "OFF". · If the SUB WOOFER is set to "OFF" in the SUB WOOFER ON/OFF setting mode, the low cut filter cannot be set. Press % or fi to select low cut filter ON or OFF. dB

FRONT speakers distance setting mode Sets the distance from the front speakers to the listening position.

· Adjust the speaker distance in 0.3 m increments from 0.3 m to 9.0 m. · Initial setting is 3.

0 m. dB Press % or fi to set the distance of the FRONT speakers from the main listening position (up to 30 steps). CENTER speaker distance setting mode Normally, the front and center speakers are placed at different distances from the listening position. This means that the sound from these speakers will not coincide. To compensate for this, set the center speaker distance setting.

· Adjust the speaker distance in 0.3 m increments from 0.3 m to 9.0 m. · Initial setting is 3.0 m. · When "C" is selected in Speakers setting mode, the center distance cannot be set. dB Press % or fi to set the distance of the CENTER speaker from the main listening position (up to 30 steps). SURROUND speakers distance setting mode Adding the proper delay to the surround speakers is necessary to achieve a surround effect. The surround speakers are placed at various distances from the listening position.

To compensate for this, set the surround speakers distance setting. · Adjust the speaker distance in 0.3 m increments from 0.



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3 m to 9.0 m. · Initial setting is 3.0 m. · When "S" is selected in Speakers setting mode, the surround distance cannot be set. dB Press % or fi to set the distance of the SURROUND speakers from the main listening position (up to 30 steps). 18 En Preparations Dynamic range control setting mode Dynamic range is the difference between the loudest and softest sounds in any given signal.

The dynamic range control helps you play back sounds so the quieter sounds are audible yet the louder sounds don't get distorted. It does this by compressing the dynamic range. When watching a movie at low volume, setting this function enables you to hear low level sounds to more easily but you won't be jolted by louder sounds. · Initial setting is "OFF". · When the volume level is increased, set to "OFF".

· For listening enjoyment at low volumes, set to "MAX" for maximum dynamic range compression. · Dynamic range control is effective only when a Dolby Digital signal is being played back. Set up dB Press % or fi to set the dynamic range control (OFF, MAX, or MID). Dual mono setting mode The dual mono setting can only be used when listening to Dolby Digital discs that contain a dual mono soundtrack. With this setting you can choose which channel is the dual mono setting you want to listen to.

Thus, it is useful for soundtracks that have one language on one channel and a different language on the other. Remember you can only use this setting if you have Dolby Digital software with this feature and want to isolate one of the channels therein. There are two different ways to route the sound in the dual mono setting, one is with Dolby Digital mode on, the other with Dolby Digital mode off. If Dolby Digital mode is switched on, the ch1 setting will play channel 1 through your center speaker. The ch2 setting will play channel 2 through your center speaker and the MIX setting will play both channels through the center speaker. With Dolby Digital mode off, the dual mono sound routing is as follows: In the ch1 setting you will hear channel 1 out of both front speakers. In the ch2 setting you will hear channel 2 out of both speakers. In the L. c1 R. c2 setting the speakers will play the soundtrack independently of each other.

The left front speaker will play channel 1 and the right front speaker will play channel 2. The last setting, MIX, mixes both channels and plays them out of both speakers. · The default setting of this feature is L. c1 R. c2. L. c1 R. c2 MIX ch2 ch1 Press % or fi to cycle through the possible Dual mono settings.

Coaxial digital input setting Sets the input component to be assigned to the COAX (coaxial) digital input jack. · Initial setting is "DVD". dB Press % or fi to select the coaxial digital input (DVD, TV, CD, CD-R, VCR, DVR or OFF). After you assign the component to the COAX digital jack, when you select that component, for example DVD, the receiver will automatically change to the digital input setting. You can see this in the DIGITAL/ANALOG indicator on the front of the receiver. 19 En Preparations Optical digital input setting 1 Sets the input component to be assigned to the OPT 1 (optical) input jack. · Initial setting is "CD".

dB Press % or fi to select the optical digital input 1 (DVD, TV, CD, CD-R, VCR, or OFF). After you assign the component to the OPT 1 digital jack, when you select that component, for example CD, the receiver will automatically change to the digital input setting. You can see this in the DIGITAL/ANALOG indicator on the front of the receiver. Optical digital input setting 2 Sets the input component to be assigned to the OPT 2 (optical) input jack. · Initial setting is "CD-R".

dB Press % or fi to select the optical digital input 2 (DVD, TV, CD, CD-R, VCR, or OFF). After you assign the component to the OPT 2 digital jack, when you select that component, for example CD-R, the receiver will automatically change to the digital input setting. You can see this in the DIGITAL/ANALOG indicator on the front of the receiver. 20 En Preparations Setting the Volume Level of Each Channel (Adjusting the Speaker Volume Balance) . . . Test tone is only output in Dolby Digital/Dolby surround/DTS modes. Levels can be set for each surround mode. Initial setting is 0 dB. Since the SUB WOOFER transmits ultra-low frequencies, its sound may seem quieter than it actually is. Set up VSX-709RDS SOURCE RECEIVER 1 Press RCV (VSX-709RDS) or RECEIVER (VSX609RDS). CD-R DVD TV VCR 1 MULTI CONTROL RCV CD TUN TVC This switches the remote control to the surround setup mode. 1 MIDNIGHT 2 5.

1 CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 2 Press 2. 3 Press MASTER VOLUME + or - to adjust the volume to an appropriate level. 4 Press TEST TONE to output the test tone. The test tone is output in the following order. 7 +10 8 0 TV TV CONTROL TV VOL TVFUNC MASTER VOLUME MENU 3 CHANNEL FQ ST ENTER ST FQ FL CLASS CT SL FR SR 8 D.ACCESS BAND SW 3 MPX 1 DISPLAY ; RF ATT 7 4 DSP TEST TONE ¶ 21 52 2 CH SELECT CH LEVEL FL DIMMER 4,6 5 LOUDNESS FUNCTION MUTING SETUP ¶ Adjust speaker levels so that you hear the test tone at the same volume from each speaker when seated in the main listening position. The channel level range is ± 10 dB. AV PRE-PROGRAMMED AND LEARNING REMOTE CONTROL UNIT 6 Press TEST TONE to turn off the test tone. VSX-609RDS ¶ MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD 1 2 1 CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 DSP MODE MIDNIGHT 5.1 CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT 5 9 6 0 FUNC 7 8 CHANNEL LEVEL EFFECT 10 DISC CH 4,6 The speaker volume balance can be adjusted without outputting the test tone by pressing CH (CHANNEL) SELECT and CH (CHANNEL) LEVEL +/.

1 Press CH (CHANNEL) SELECT to select the channel you want to adjust. 2 Press CH (CHANNEL) LEVEL + or - to adjust the volume. 52 VOL TV CONTROL FQ ST ENTER ST VOL MENU FQ TOP MENU SOURCE CLASS MPX BAND 7 D.ACCESS 8 4 3 ¶ CHANNEL DISPLAY RF ATT 1 ; LOUDNESS FUNCTION MUTING FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME 3 AUDIO/VIDEO PRE-PROGRAMMED REMOTE CONTROL UNIT 21 En Preparations Setting Up the Remote Control In addition to controlling the receiver, the supplied remote control can operate your other components (DVD, MD, VCR, TV, LD, CD, etc.).

If your component(s) are listed in the "Preset Code List" on pages 58 to 65, simply recall the corresponding preset code. Recalling preset codes (VSX-709RDS) The following steps show you how to recall preset codes for each MULTI CONTROL button.



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Once the preset code is assigned, pressing the button will automatically set the remote control to operate the respective component. · Refer to "Preset Code List" on pages 58 to 62 for the components and manufacturers available. · Refer to "Controlling the Rest of Your System" on pages 52 to 55 for detailed explanations on how to operate your other components.

SOURCE RECEIVER LED CD-R 1 Press **SETUP** and hold for three seconds to select the preset mode. **DVD TV VCR MULTI CONTROL RCV CD TUN TVC 1 MIDNIGHT 2 5.1CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 2 3** (The LED will blink twice. To cancel the preset mode Press **SETUP**.) **7 +10 8 0 TV 2** Press the **MULTI CONTROL** button for the component you want to control. Each button can be set to control one of the following components **DVD TV CONTROL : DVD/LD player or DVD Recorder : TV , Satellite tuner or Cable TV tuner : CD player, CD-R, Tape deck or MD recorder : CD player, CD-R, Tape deck or MD recorder : VCR or DVR (DVD Recorder) : TV , Satellite tuner or Cable TV tuner : FM/AM tuner TV VOL TVFUNC MASTER VOLUME TV MENU CHANNEL CD FQ CD-R ST ENTER ST VCR FQ 8.D.ACCESS BAND CLASS TVC 3 MPX 1 DISPLAY ; RF ATT TUN 7 2 CH SELECT DSP 4 TEST TONE & CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP** **1,4 3** Use the number buttons to enter the 4 digit preset code. The LED will blink after each digit is input and will blink twice to confirm a valid code has been input. If the LED shows one long blink it means an invalid code has been input. Check the preset code list and try again.

If you are not able to input a preset code you can refer to page 24 to teach the remote control individual commands. Repeat steps 1 through 3 to recall preset codes for as many components as necessary. **AV PRE-PROGRAMMED AND LEARNING REMOTE CONTROL UNIT 4** Press **SETUP** to exit the preset mode. The remote control returns to the previous operation mode. It will also return to the previous mode after ten seconds of inactivity. · The **RCV (Receiver)** button cannot be preset. · You can only input a code for the component type written on each **MULTI CONTROL** button. See page 27 for information on how to program a different type of component than specified on the button. · If you recall a preset code for the tuner (**TUN MULTI CONTROL**), you will not be able to control the built-in tuner of this receiver using the remote control. To reset the remote control to the built-in tuner, input the preset code 0080.

22 En Preparations Recalling preset codes (VSX-609RDS) The following steps show you how to recall preset codes for each **MULTI CONTROL** button. Once the preset code is assigned, pressing the button will automatically set the remote control to operate the respective component. · Refer to "Preset Code List" on pages 63 to 65 for the components and manufacturers available. · Refer to "Controlling the Rest of Your System" on pages 52 to 55 for detailed explanations on how to operate your other components. Set up **1 MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD 1** Press **REMOTE SETUP** and **1** at the same time to select the preset mode.

LED CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 3 (The LED on the remote control starts to blink. To cancel the preset mode at any time Press **REMOTE SET UP**.) **1 2 DSP MODE MIDNIGHT 5.1CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT 5 9 6 0 FUNC 7 8 CHANNEL LEVEL EFFECT 10 DISC CH 2** Press the **MULTI CONTROL** button for the component you want to control. Each button can be set to control one of the following components **VOL TV CONTROL FQ ST ENTER ST VOL MENU FQ TOP MENU SOURCE CLASS MPX BAND 7 D.**

ACCESS 8 4 3 & CHANNEL DISPLAY RF ATT 1 ; LOUDNESS FUNCTION MUTING FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME DVD/LD TV/SAT VCR/DVR CD CD-R/TAPE/MD TV CONT : : : : DVD or LD player TV or Satellite tuner VCR or DVR (DVD recorder) CD player CD Recorder or Tape deck or MD player TV or Cable TV tuner AUDIO/VIDEO PRE-PROGRAMMED REMOTE CONTROL UNIT 1,4 The LED lights steadily. **3** Point the remote control toward the component to be controlled, enter the 3 digit preset code. When you enter the preset code, the remote control emits a power ON/OFF signal. If the component turns ON or OFF, you have entered the proper code. If the component does not turn ON or OFF and there is more than one preset code, try inputting another code (starting again from step 2). Some manufacturers use several sets of remote control signals and the first code may not correspond to your component. Repeat steps 2 through 3 to recall preset codes for as many components as necessary. **4** Press **REMOTE SETUP** to exit the preset mode. The remote control returns to the previous operation mode. · When operating a Pioneer DVD/LD player, set the preset code to "111" in the preset mode.

· **TUNER** cannot be preset. **23 En Preparations Learning mode: Programming signals from other remote controls (VSX-709RDS only)** If preset codes are not available for your component(s), or the available preset codes do not operate correctly, you can use this function to program in signals from the remote control(s) of your other component(s). This operation can also be used after recalling a preset code to program additional operations not covered in the preset codes. **LED SOURCE RECEIVER DVD TV VCR CD-R MULTI CONTROL RCV CD TUN TVC 1** Press **SETUP** and hold for three seconds. The LED will blink twice. **1 MIDNIGHT 2 5.1CH 3 ATT 4 5 EFFECT 6 9 DISC 2 SIGNAL SELECT 7 +10 8 0 TV 2 2 2 TV CONTROL 2** Press the **MULTI CONTROL** button for the component you want to control and then press **9, 7, 5** to select the Learning setup mode. The remote control is ready to learn new commands from other remote controls. **TV VOL TVFUNC MASTER VOLUME MENU CHANNEL FQ ST ENTER ST** (**1** The LED flashes rapidly To cancel Learning setup mode Press **SETUP** button. After ten seconds if no commands are entered the remote control will revert to its previous mode.) **FQ 8 D.ACCESS BAND CLASS 3 MPX 1 DISPLAY ; RF ATT 3** Press the button to be programmed (for example the **3 [play]** button). **4** Point the remote controls at each other, about **2 5 cm** apart, and press the button on the other remote control for the operation you want to program. **1** Point the remote controls toward each other. **2** Press the button on the other remote control corresponding to the operation you wish to program. The LED on this receiver's remote will go out and then blink twice when the operation is learned. Press the teaching button repeatedly, varying the distances between the remote, until you see this receiver's remote blink twice indicating the operation has been learned.



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MASTER VOLUME FL DIMMER LOUDNESS FUNCTION MUTING AV PRE-PROGRAMMED AND LEARNING REMOTE CONTROL UNIT EFFECT RECEIVER MULTI CONTROL DTV ON / OFF TEST TONE 7 2 CH SELECT DSP 4 TEST TONE & CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP 1,5 The highlighted buttons can learn new functions SOURCE RECEIVER DVD TV VCR CD-R MULTI CONTROL RCV CD TUN TVC VCR TNU FQ CHANNEL FQ 1 MIDNIGHT 2 5.1CH 3 ATT 2 5 cm SOURCE DTV MENU CD-R TVC CLASS ; ENTER TV CONTROL SIGNAL SELECT MIDNIGHT DSP CD TV 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 7 +10 8 0 TV TV CONTROL TV VOL TVFUNC MASTER VOLUME To program additional operations for the current component Repeat steps 3 and 4. To program operations for another component Repeat steps 2 through 4. MENU CHANNEL 5 Press SETUP to exit the Learning setup mode. ST FQ ST ENTER After ten seconds of inactivity the remote control will automatically leave the Learning mode and revert to its previous mode. FQ 8 D.ACCESS BAND CLASS 3 MPX 1 DISPLAY ; RF ATT 7 2 CH SELECT DSP 4 TEST TONE & Some commands from other remote controls cannot be learned, but in most cases the remotes just need to be moved closer together or farther apart. CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP 24 En CH SELECT D.ACCESS TV VOL +10 3 MPX DVD RCV 8 2 1 4 7 ST 7 CH LEVEL TVFUNC ENTER 5.1CH MENU BAND 1 TV 4 2 5 8 0 SETUP DISC ST & ATT 3 6 9 Î Î Preparations Clearing One of the Remote Control Settings (VSX-709RDS) This method clears one of the buttons you have programmed and restores the factory installed preset to that button. LED SOURCE RECEIVER 1 Press SETUP and hold for three seconds. CD-R TVC DVD TV VCR MULTI CONTROL RCV CD TUN 1 MIDNIGHT 2 5.1CH 3 ATT 3 4 SIGNAL SELECT 5 EFFECT 6 9 DISC & 7 +10 8 0 4 TEST TONE DSP 2 3 3 1 The LED will blink twice.

2 Press the MULTI CONTROL button relating to the button to be cleared. 3 Press 9, 7, 6. 4 Press the button to be cleared. 5 Press the button to be cleared once more. The LED blinks twice to indicate the button has been cleared. Set up 7 TV CONTROL 2 CH SELECT CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP Î Clearing All the Remote Control Settings VSX-709RDS LED SOURCE RECEIVER DVD TV VCR CD-R MULTI CONTROL RCV CD TUN TVC Clears all presets, all learnt functions and restores the factory presets. 2 3 3 1 1 Press SETUP and hold for three seconds. The LED will blink twice. 3 1 MIDNIGHT 2 5.1CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC & 7 +10 8 0 4 TEST TONE DSP 2 Press any MULTI CONTROL button. 3 Press 9, 8, 1. The LED blinks in sets of twos twice (thus four times) to indicate the button has been cleared. 7 TV CONTROL 2 CH SELECT CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP Î VSX-609RDS Î MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD LED Clears all presets and restores factory default settings. CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 DSP MODE MIDNIGHT 5.1CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT Press and hold REMOTE SETUP and 0 at the same time for more 3 seconds.

0 The LED display at the top of the remote control will blink. After blinking three times, all the settings will be canceled. 5 9 6 0 FUNC 7 8 CHANNEL LEVEL EFFECT 10 DISC CH TV CONTROL 1 ; 4 & LOUDNESS FUNCTION MUTING FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME AUDIO/VIDEO PRE-PROGRAMMED REMOTE CONTROL UNIT REMOTE SETUP 25 En Preparations Direct Function The Direct function is a useful feature which allows you to keep the receiver in one function (for example, CD) while putting the remote control in a different function. This could let you, for example, use the remote control to setup and listen to a CD on the receiver and then use the remote control to rewind a tape in your VCR while you continue to listen to your CD player. When the Direct function is ON any MULTI CONTROL button you press will change the function of both the receiver and the remote control.

When you turn the Direct function OFF, you can operate the remote control without affecting the receiver. Thus you could switch the remote control to the VCR and operate that component while the receiver plays a different component. LED SOURCE RECEIVER DVD TV VCR CD-R MULTI CONTROL RCV CD TUN TVC 2 MULTI CONTROL VSX-709RDS To set a MULTI CONTROL button to Direct OFF: 1 MIDNIGHT 2 5.1CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 7 +10 8 0 TV TV CONTROL 9 8 3 1 Press SETUP and hold for three seconds. 3 The LED will blink twice. MPX DISPLAY RF ATT 7 2 CH SELECT DSP 4 TEST TONE & 2 Press the MULTI CONTROL button which you want to set to OFF. 3 Press 9, 8, 3. The LED blinks twice to indicate the button has been set. CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP Î 1 LED SOURCE RECEIVER DVD TV VCR CD-R MULTI CONTROL RCV CD TUN TVC 2 MULTI CONTROL To set a MULTI CONTROL button to Direct ON: 1 Press SETUP and hold for three seconds. The LED will blink twice.

1 MIDNIGHT 2 5.1CH 3 ATT 4 SIGNAL SELECT 5 EFFECT 6 9 DISC 7 +10 8 0 TV TV CONTROL 9 8 2 3 2 Press the MULTI CONTROL button which you want to set to ON. 3 Press 9, 8, 2. The LED blinks twice to indicate the button has been set. MPX DISPLAY RF ATT 7 2 CH SELECT DSP 4 TEST TONE & CH LEVEL FL DIMMER LOUDNESS FUNCTION MUTING SETUP Î 1 MULTI CONTROL 3 2 TVC doesn't have this feature and thus can't use the Direct function. VSX-609RDS Î MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 DSP MODE MIDNIGHT 5.1CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT 5 9 1 6 0 ; 7 EFFECT 8 ENTER CHANNEL LEVEL 1 2 1 To turn the Direct function OFF (the default setting is ON), press REMOTE SETUP and number button 3 at the same time. 2 To turn the the Direct function ON (if you have turned it off), press REMOTE SETUP and number button 2 at the same time. TV CONT doesn't have this feature and thus can't use the Direct function. 4 & LOUDNESS FUNCTION MUTING FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME AUDIO/VIDEO PRE-PROGRAMMED REMOTE CONTROL UNIT 1,2 26 En Preparations Programming a Different Component into a MULTI CONTROL Button (VSX-709RDS) This feature changes a selected MULTI CONTROL button to a different component.



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@ @ @ @ @ @ @ @ @ @ To use first press the RECEIVER button then operate this button. MIDNIGHT (see page 41) Use to put receiver in Midnight mode. To use, first press the RECEIVER button, then operate this button. 5.1 CH (see page 40) When the DVD/LD or DVD 5.1 CH function is selected each press switches the DVD/LD input between DVD/LD and DVD 5.1 CH.

To use, first press the RECEIVER button, then operate this button. CHANNEL SELECT (see page 21) Use to select a speaker when setting up the surround sound of the receiver. To use, first press the RECEIVER button, then operate this button. TEST TONE (see page 21) Use to sound the TEST TONE when setting up the surround sound of the receiver. To use, first press the RECEIVER button, then operate this button.

ATT Use to attenuate (lower) the level of an analog input signal and prevent distortion (refer to p.34 !, @). To use, first press the RECEIVER button, then operate this button. CHANNEL LEVEL +/- (see page 21) Use to set up the levels of the surround sound of the receiver. To use, first press the RECEIVER button, then operate this button.

SIGNAL SELECT (see page 36) Use to select the proper signal (analog, digital) for the source you are inputting. To use, first press the RECEIVER button, then operate this button. \hat{I} = 1 2 3 MULTI CONTROL DVD/LD TV/SAT VCR/DVR CD CD-R/ RECEIVER TUNER TAPE/MD TV CONT 2 DSP MODE MIDNIGHT 5.1 CH 1 2 3 4 CHANNEL TEST SELECT TONE ATT SIGNAL SELECT 5 9 6 0 FUNC 7 8 CHANNEL LEVEL EFFECT 10 DISC CH ~ 4 5 6 7 8 9 0 - VOL TV CONTROL FQ ST ENTER ST VOL ! TOP MENU MENU FQ @ # \$ % ^ SOURCE CLASS MPX BAND 7 D.ACCESS 8 4 3 ϵ 1 ; CHANNEL DISPLAY RF ATT LOUDNESS FUNCTION MUTING FL REMOTE MASTER RECEIVER DIMMER SETUP VOLUME AUDIO/VIDEO PRE-PROGRAMMED REMOTE CONTROL UNIT 1 MULTI CONTROL buttons Use to put the receiver/remote control in the stated mode. For other equipment controls, see Controlling the Rest of Your System on pages 52 55. 2 RECEIVER button (see page 15) Use this button when setting up the surround sound for the receiver. 4 TV CONTROL buttons The following four sets of buttons are dedicated TV controls. FUNC button Use to select the TV function. button Use to turn on the power of the TV.

CH +/- buttons Use to change channels on your TV. VOL +/- buttons Use to adjust the volume on your TV. 3 Number/Mode buttons (see pages 22, 43) Use the number buttons to select the radio frequency in tuner Direct access mode or the tracks in CD, DVD mode etc. Also, buttons marked with the following names have special functions. If you try to use one of these functions but the display flashes it means that function cannot be used in the current mode (for example DSP modes cannot be used when 5.1 CH setting is on). 2 (see pages 38, 39) Use to put receiver in Dolby Digital, Dolby Surround and DTS modes. To use first press the RECEIVER button then operate this button. 5 MENU button Use to access different menus associated with your DVD player. 32 En Displays & Controls 6 SOURCE button Use to turn on/off other components connected to the receiver.

! 2 3 5 (FQ +/-, ST +/-) & ENTER buttons (see pages 15 20, 42) Use these arrow buttons when setting up your surround sound system (see pages 15 20). These buttons are also used to control DVD menus/options and for deck 1 of a double cassette deck player. The FQ +/- buttons can be used to find radio frequencies. The ST +/- buttons can be used to select the stations of memorized radio frequencies. 7 The following buttons are both controls for other components (like a DVD player) and dedicated tuner controls.

The tuner controls are explained here. You can use them after you have pushed the TUNER MULTI CONTROL button. CLASS button (see pages 44, 46) Use to switch between the three banks (classes) of station memories. MPX button (see page 42) Use to switch between auto stereo and mono reception of FM broadcasts. If the signal is weak then switching to MONO will improve the sound quality.

Also, this is the pause button for CDs, tapes, DVDs, etc. BAND button (see pages 42, 43) Use to switch between the AM and FM band when in TUNER mode. D. ACCESS button (see page 43) Use to directly access a radio station by pressing the number of the station you want. @ TOP MENU button In DVD mode this button brings you to the top or most fundamental menu. # CHANNEL +/- buttons (4/DISPLAY, ϵ /RF ATT) Use to select the stations of memorized radio frequencies. Also use to skip tracks backward or forward on CDs, DVDs, etc. Also use to display the RDS information (DISPLAY) and use to lower the input level of a radio signal (RF ATT). \$ MUTING button Use to mute the sound or restore the sound if it has been muted. % MASTER VOLUME +/- buttons Use to set the overall listening volume.

^ REMOTE SETUP button (see page 23) Use this button when setting up the remote control to control other components. 8 LOUDNESS button Use to switch on the loudness. This feature is useful for getting good bass and treble sounds listening at low volumes. 9 FUNCTION button Use to select the playback or recording source. This button lets you cycle through the different functions of the receiver in the following order: CD, tuner (FM/AM), AUX, CDR/TAPE/MD, VCR/ DVR, DVD/LD, DVD 5.1 CH., and TV/SAT. Operation 0 RECEIVER button This switches the receiver between STANDBY mode and power ON. - FL DIMMER button Use this button to make the fluorescent display (FL) dimmer or brighter. There are three brightness settings as well as an off setting. = LED display (see pages 23, 25) This display flashes when a command is sent from the remote control to the receiver. It also flashes at other times, for example when teaching the receiver preset codes. ~ EFFECT +/- buttons (see page 39) Use to adjust the amount of effect in different DSP sound modes or advanced listening modes. 33 En Displays & Controls Display MONITOR MONO PRO LOGIC DIGITAL SIGNAL SELECT DSP ATT MIDNIGHT LOUDNESS DIRECT S.BASS SP TUNED AB STEREO EON RDS RF ATT ANALOG DIGITAL DIGITAL DTS dB 1 2 indicator Lights when DTS mode is being used.

- SIGNAL SELECT indicators Light to indicate the type of input signal assigned for the current component (see "Front Panel", \$, SIGNAL SELECT). ANALOG : Lights when an analog signal is selected. DIGITAL : Lights when a digital audio signal is selected. 2 DIGITAL : Lights when a Dolby Digital signal is played. DTS: Lights when a source with DTS audio signals is played.

2 PRO LOGIC indicator When the 2(Dolby)/DTS mode of the receiver is on, this lights to indicate playback of a two channel source. 3 DSP indicator Lights when any Advanced Theater or DSP mode is selected. 4 MIDNIGHT indicator Lights when Midnight listening mode is in use. = 2 DIGITAL indicator When the 2(Dolby)/DTS mode of the receiver is on, this lights to indicate playback of a Dolby Digital signal.



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