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You can read the recommendations in the user guide, the technical guide or the installation guide for PIONEER VSX-921. You'll find the answers to all your questions on the PIONEER VSX-921 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PIONEER VSX-921
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Pioneer

Operating Instructions

audio/video multi-channel receiver

VSX-1021-K
VSX-921-K



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Manual abstract:

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. @A 10 amp fuse is fitted in this plug. @@Check for the ASTA mark or the BSI mark on the body of the fuse. If the plug contains a removable fuse cover, you must ensure that it is refitted when the fuse is replaced. If you lose the fuse cover the plug must not be used until a replacement cover is obtained. A replacement fuse cover can be obtained from your local dealer. If the fitted moulded plug is unsuitable for your socket outlet, then the fuse shall be removed and the plug cut off and disposed of safely. There is a danger of severe electrical shock if the cut off plug is inserted into any 13 amp socket. @@If in any doubt, please consult a qualified electrician. @@@@To prevent a fire or shock hazard, do not place any container filled with liquid near this equipment (such as a vase or flower pot) or expose it to dripping, splashing, rain or moisture.

D3-4-2-1-3_A1_En **Operating Environment** Operating environment temperature and humidity: +5 °C to +35 °C (+41 °F to +95 °F); less than 85 %RH (cooling vents not blocked) Do not install this unit in a poorly ventilated area, or in locations exposed to high humidity or direct sunlight (or strong artificial light) D3-4-2-1-7c*_A1_En Before plugging in 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 meets the required voltage (e.g., 230 V or 120 V) written on the rear panel.

D3-4-2-1-4*_A1_En **WARNING WARNING** To prevent a fire hazard, do not place any naked flame sources (such as a lighted candle) on the equipment.

D3-4-2-1-7a_A1_En **Information for users on collection and disposal of old equipment and used batteries** Symbol for equipment These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste. For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation. Symbol examples for batteries By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

These symbols are only valid in the European Union. For countries outside the European Union: If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal. K058a_A1_En **VENTILATION CAUTION** When installing this unit, make sure to leave space around the unit for ventilation to improve heat radiation (at least 40 cm at top, 10 cm at rear, and 20 cm at each side). **WARNING** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product, and to protect it from overheating. To prevent fire hazard, the openings should never be blocked or covered with items (such as newspapers, table-cloths, curtains) or by operating the equipment on thick carpet or a bed.

D3-4-2-1-7b*_A1_En If the AC plug of this unit does not match the AC outlet you want to use, the plug must be removed and appropriate one fitted. Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. If connected to an AC outlet, the cut-off plug can cause severe electrical shock. Make sure it is properly disposed of after removal. The equipment should be disconnected by removing the mains plug from the wall socket when left unused for a long period of time (for example, when on vacation).

D3-4-2-2-1a_A1_En **CAUTION** The **STANDBY/ON** switch on this unit will not completely shut off all power from the AC outlet. Since the power cord serves as the main disconnect device for the unit, you will need to unplug it from the AC outlet to shut down all power. Therefore, make sure the unit has been installed so that the power cord can be easily unplugged from the AC outlet in case of an accident. To avoid fire hazard, the power cord should also be unplugged from the AC outlet when left unused for a long period of time (for example, when on vacation). D3-4-2-2-2a*_A1_En **Pb** This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period. K041_A1_En **2 En** 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. Contents 01 Before you start Checking what's in the box .

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!!!! Connecting the components About the audio connection on page 14 About the video converter on page 14 Connecting your TV and playback components on page 16 Connecting AM/FM antennas on page 19 Plugging in the receiver on page 22 j 5 6 Power On j Changing the OSD display language (OSD Language) (page 23) j 4 En Before you start 01 Before you start Checking what's in the box Please check that you've received the following supplied accessories: ! Setup microphone (cable: 5 m) ! Remote control unit ! AAA size IEC R03 dry cell batteries (to confirm system operation) x2 ! AM loop antenna ! FM wire antenna ! iPod cable ! Power cord ! Warranty card ! CD-ROM (AVNavigator) ! Quick start guide Operating range of remote control unit Loading the batteries The batteries included with the unit are to check initial operations; they maission to use this CD-ROM is granted under license by PIONEER CORPORATION. 2 Follow the instructions on the screen to install. When "Finish" is selected, installation is completed. General Disclaimer ! PIONEER CORPORATION does not guarantee the operation of this CD-ROM with respect to personal computers using any of the applicable OS. In addition, PIONEER CORPORATION is not liable for any damages incurred as a result of use of this CD-ROM and is not responsible for any compensation. The names of private corporations, products and other entities described herein are the registered trademarks or trademarks of their respective firms. 3 Remove the included AVNavigator CD-ROM from the computer's CD drive.

Handling the CD-ROM Operating Environment ! This CD-ROM can be used with Microsoft® Windows® XP/Vista/7. ! A browser is at times used for AVNavigator functions. The supported browser is Microsoft Internet Explorer 6, 7 and 8. With other browsers, some functions may be limited or the display may not appear properly. ! MCACC Appli Displays Advanced MCACC measurement results vividly on the computer.

There are special operating instructions for MCACC Application. These instructions are included in the AVNavigator Interactive Manual's menus. Refer to them when using MCACC Application. ! Software Update Allows various types of software to be updated. ! Settings Used to make various AVNavigator settings.

! Detection Used to detect the receiver. Note To use the AVNavigator of another model, first uninstall (delete) this receiver's AVNavigator, then install the AVNavigator of the other model. Using AVNavigator 1 Click [AVNavigator] on the desktop to launch AVNavigator. AVNavigator is launched and Wiring Navi starts up. The language selection screen appears. Follow the instructions on the screen to make the connections and automatic settings. Wiring Navi only starts up automatically the first time AVNavigator is launched. Deleting the AVNavigator You can use the following method to uninstall (delete) the AVNavigator from your PC. Precautions For Use ! This CD-ROM is for use with a personal computer. It cannot be used with a DVD player or music CD player.

Attempting to play this CD-ROM with a DVD player or music CD player can damage speakers or cause impaired hearing due to the large volume. % Delete from the Control Panel of the PC. From the Start menu, click "Program" d "PIONEER CORPORATION" d "AVNavigator(VSX-1021 or VSX-921)" d "Uninstall". License ! Please agree to the "Terms of Use" indicated below before using this CD-ROM. Do not use if you are unwilling to consent to the terms of its use. 2 Select and use the desired function. Terms of Use ! Copyright to data provided on this CD-ROM belongs to PIONEER CORPORATION.

Unauthorized transfer, duplication, broadcast, public transmission, translation, sales, lending or other such matters that go beyond the scope of "personal use" or "citation" as defined by Copyright Law may be subject AVNavigator includes the following functions: ! Wiring Navi Guides you through connections and initial settings in dialog fashion. High precision initial settings can be made easily. ! Interactive Manual Automatically displays the pages explaining the functions that have been operated on the receiver.

It is also possible to operate the receiver from the Interactive Manual. ! Glossary Displays glossary pages. 6 En Controls and displays 02 Controls and displays Remote control This section explains how to operate the remote control for the receiver. The remote has been conveniently color-coded according to component control using the following system: ! White Receiver control, TV control ! Blue Other controls (See pages 27, 28, 30, 31 and 54.) 8 i/j/k/l/ENTER 11 Remote control LED Lights when a command is sent from the remote control.

Use the arrow buttons when setting up your surround sound system (see page 56) and the Audio or Video options (page 44 or 46). 12 TV CTRL Set the preset code of your TV's manufacturer when controlling the TV (page 50). 9 Receiver Control buttons 1 2,3 4 5 RECEIVER MULTI OPERATION RCU SETUP BDR BD SAT TV USB iPod TUNER VIDEO ZONE 2 SOURCE 11 HDMI ADPT TV CTRL 1 u RECEIVER DVD DVR CD HMG This switches between standby and on for this receiver. INPUT SELECT RECEIVER 12 13 14 2 MULTI OPERATION INPUT TV CONTROL MASTER VOLUME Use this button to perform multi operations (page 52).



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3 RCU SETUP 6 7 8 CH VOL MUTE 15 AUDIO PARAMETER LIST TOP MENU BAND PRESET PTY SEARCH HOME MENU iPod CTRL TUNE ENTER VIDEO PARAMETER TUNE TOOLS T.

EDIT GUIDE PRESET Use to input the preset code when making remote control settings and to set the remote control mode (page 50). 4 Input function buttons RETURN Press to select control of other components (page 50). Use INPUT SELECT c/d to select the input function (page 27). PGM HDD DVD PHASE CTRL MENU 5 ZONE 2 STATUS Switch to perform operations in ZONE 2 (page 47). TV / DTV MPX PQLS 9 6 AUDIO INFO DISP TV CONTROL buttons Press first to access: ! PHASE CTRL Press to switch on/off Phase Control (page 34). ! STATUS Press to check selected receiver settings (page 48). ! PQLS Press to select the PQLS setting (page 42). ! S.RETRIEVER Press to restore CD quality sound to compressed audio sources (page 44). ! SIGNAL SEL - Use to select an input signal (page 34).

! MCACC Press to switch between MCACC presets (page 34). ! SLEEP Use to put the receiver in sleep mode and select the amount of time before sleep (page 48). ! CH LEVEL Press repeatedly to select a channel, then use k/l to adjust the level (page 63). ! A.ATT Attenuates (lowers) the level of an analog input signal to prevent distortion (page 48). ! DIMMER Dims or brightens the display (page 48). 13 Switches the remote to control the receiver (used to select the white commands). Switch to perform operations in the main zone. Also use this button to set up surround sound. 14 MASTER VOLUME +/- Use to set the listening volume.

15 MUTE Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound). S.RETRIEVER 1 4 7 D.ACCESS / CLR 2 5 8 0 3 SLEEP SIGNAL SEL MCACC These buttons are dedicated to control the TV assigned to the TV CTRL button. 10 LISTENING MODE controls ! AUTO/ALC/DIRECT Switches between Auto Surround (page 33), Auto Level Control mode and Stream Direct mode (page 34). ! STEREO Press to select stereo playback mode (page 33). ! STANDARD Press for Standard decoding and to switch various modes (2 Pro Logic, Neo:6, etc.) (page 33). ! ADV SURR Use to switch between the various surround modes (page 33). 6 DIMMER CH LEVEL A. ATT 9 CLASS ENTER CH 7 Receiver setting buttons 10 AUTO / ALC / DIRECT STEREO STANDARD ADV SURR LISTENING MODE RECEIVER Press first to access: ! AUDIO PARAMETER Use to access the Audio options (page 44). ! VIDEO PARAMETER Use to access the Video options (page 46). ! HOME MENU Use to access the Home Menu (pages 23, 24, 41, 56 and 62). ! RETURN Press to confirm and exit the current menu screen. En 7 02 Controls and displays Display 1 AUTO 8 2 L SL XL C XC LFE (PHASE CONTROL) 18 Character display Displays various system information. 3 4 5 6 7 8 9 10 11 12 13 14 Lights when the Phase Control is switched on (page 34). 19 Remote control mode indicator Lights to indicate the receiver's remote control mode setting. (Not displayed when set to 1.) (page 66) HDMI DIGITAL ANALOG DSD PCM TUNED RDS R 2DIGITAL PLUS 2TrueHD MULTI-ZONE PQLS ALC ATT STEREO SR DTS HD ES 96/24 S.RTRV SOUND UP MIX OVER MONO XR MSTR CD CD-R TUNER iPod DVD TV BD DVR VIDEO HMG USB HDMI [2] [3] [4] 9 dB Analog signal indicators Light to indicate reducing the level of an analog signal (page 48).

AUTO SURROUND STREAM DIRECT 2PROLOGIC x Neo:6 ADV.SURROUND STANDARD SP AB SLEEP 10 Tuner indicators ! TUNED Lights when a broadcast is being received. ! STEREO Lights when a stereo FM broadcast is being received in auto stereo mode. ! MONO Lights when the mono mode is set using MPX. ! RDS Lights when an RDS broadcast is received. 7 15 16 17 18 19 1 Signal indicators Light to indicate the currently selected input signal. AUTO lights when the receiver is set to select the input signal automatically (page 34). 2 Program format indicators Light to indicate the channels to which digital signals are being input. ! L/R Left front/Right front channel ! C Center channel ! SL/SR Left surround/Right surround channel ! LFE Low frequency effects channel (the () indicators light when an LFE signal is being input) ! XL/XR Two channels other than the ones above ! XC Either one channel other than the ones above, the mono surround channel or matrix encode flag ! 96/24 Lights with DTS 96/24 decoding. ! DSD PCM Light during DSD (Direct Stream Digital) to PCM conversion with SACDs.

! PCM Lights during playback of PCM signals. ! MSTR Lights during playback of DTS-HD Master Audio signals. 11 Lights when the sound is muted. 4 MULTI-ZONE 12 Master volume level Shows the overall volume level. "----" indicates the minimum level, and "+12dB" indicates the maximum level. Lights when the MULTI-ZONE feature is active (page 47). 5 SOUND Lights when the DIALOG E (Dialog Enhancement) or TONE (tone controls) features is selected (page 44). 13 Input function indicators Light to indicate the input function you have selected. 6 S.RTRV 14 Scroll indicators Light when there are more selectable items when making the various settings.

Lights when the Sound Retriever function is active (page 44). 7 Listening mode indicators 15 Speaker indicators Lights to indicate the current speaker system using SPEAKERS (page 47). 3 Digital format indicators Light when a signal encoded in the corresponding format is detected. ! 2 DIGITAL Lights with Dolby Digital decoding. ! 2 DIGITAL PLUS Lights with Dolby Digital Plus decoding. ! 2 TrueHD Lights with Dolby TrueHD decoding. ! DTS Lights with DTS decoding. ! DTS HD Lights with DTS-HD decoding. 8 ! AUTO SURROUND Lights when the Auto Surround feature is switched on (page 33). ! ALC Lights when the ALC (Auto level control) mode is selected (page 33).

! STREAM DIRECT Lights when Direct/Pure Direct is selected (page 34). ! ADV.SURROUND Lights when one of the Advanced Surround modes has been selected (page 33). ! STANDARD Lights when one of the Standard Surround modes is switched on (page 33). 16 SLEEP Lights when the receiver is in sleep mode (page 48). 17 Matrix decoding format indicators ! 2PRO LOGIC IIx This lights to indicate 2 Pro Logic II / 2 Pro Logic IIx decoding (page 33). ! Neo:6 When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing (page 33). En Controls and displays 02 Front panel 1 2 3 4 5 6 3 7 AUDIO/ VIDEO MULTI- CHANNEL RECEIVER 7 Remote sensor 17 iPod iPhone iPad DIRECT CONTROL Change the receiver's input to the iPod and enable iPod operations on the iPod (page 28).



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8 VSX-1021 Receives the signals from the remote control (page 5). 8 9 MASTER VOLUME dial SPEAKERS Use to change the speaker terminal (page 47). ADVANCED MCACC FL OFF HDMI iPod iPhone iPad 10 PHONES jack Use to connect headphones. When the headphones are connected, there is no sound output from the speakers. MASTER VOLUME SPEAKERS CONTROL MULTI-ZONE ON/OFF BAND TUNER EDIT TUNE PRESET ENTER AUTO SURR/ALC/ STREAM DIRECT INPUT SELECTOR STANDARD SURROUND ADVANCED SURROUND iPod iPhone iPad SOUND RETRIEVER AIR DIRECT CONTROL 11 Listening mode buttons ! AUTO SURR/ALC/STREAM DIRECT Switches between Auto Surround (page 33), Auto Level Control and Stream Direct mode (page 34). ! STANDARD SURROUND Press for Standard decoding and to switch various modes (2 Pro Logic, Neo:6, Stereo etc.) (page 33).

! ADVANCED SURROUND Use to switch between the various surround modes (page 33). STANDBY / ON PHONES 5V iPod iPhone iPad 2.1 A MCACC SETUP MIC USB HDMI 2 INPUT 9 10 11 12 13 VIDEO 2 INPUT 14 5V iPod iPhone iPad 2.1 A 16 17 VSX-1021 MCACC SETUP MIC L AUDIO R VIDEO USB VSX-921 12 1 u STANDBY/ON 15 4 13 MULTI-ZONE controls 12 MCACC SETUP MIC jack Use to connect the supplied microphone (page 23). This switches between standby and on for this receiver.

2 3 INPUT SELECTOR dial Indicators If you've made MULTI-ZONE connections (page 19) use these controls to control the sub zone from the main zone (page 47). 13 iPod iPhone iPad USB terminals Use to connect your Apple iPod/iPhone/iPad as an audio and video source (page 20), or connect a USB device for audio and photo playback (page 21). Use to select an input function. ! ADVANCED MCACC Lights when EQ is set to ON in the AUDIO PARAMETER menu (page 44). ! FL OFF Lights when "off" (nothing displayed) is selected with the display's dimmer adjustment (page 48). ! HDMI Blinks when connecting an HDMIEquipped component; lights when the component is connected (page 16). ! iPod iPhone iPad Lights to indicate iPod/ iPhone/iPad is connected (page 20). 5 6 Character display TUNER controls See Display on page 8. ! BAND Switches between AM and FM radio bands (page 30). ! TUNER EDIT Use with TUNE i/j, PRESET k/l and ENTER to memorize and name stations for recall (page 30).

! TUNE i/j Find radio frequencies (page 30). ! PRESET k/l Find preset stations (page 30). 14 HDMI input connector Use for connection to a compatible HDMI device (Video camera, etc.) (page 21). 15 AUDIO/VIDEO input See Connecting to the front panel video terminal on page 21. 16 SOUND RETRIEVER AIR When the button is pressed, the input switches to ADAPTER PORT and the listening mode is automatically set to SOUND RETRIEVER AIR (page 32). En 9 03 Connecting your equipment Connecting your equipment Connecting your equipment This receiver provides you with many connection possibilities, but it doesn't have to be difficult. This chapter explains the kinds of components you can connect to make up your home theater system. Note The input functions below are assigned by default to the receiver's different input terminals. Refer to The Input Setup menu on page 24 to change the assignments if other connections are used.

Input function DVD Input Terminals Digital COAX-1 OPT-1 OPT-2 (DVR/BDR) (VIDEO) (VIDEO 1) IN 1 (HDMI 2) COAX-2 <a> IN 2 HDMI (DVD) (BD) Component IN 1 CAUTION Before making or changing the connections, switch off the power and disconnect the power cord from the power outlet. Plugging in should be the final step. BD TV/SAT DVR/BDR VIDEO <a> VIDEO 1 HDMI 1 <a> HDMI 2 <a> BD IN DVD IN DVR/BDR IN OUT for WIRELESS LAN Important Illustration shows the VSX-1021, however connections for the VSX-921 are the same except where noted. Rear panel VSX-1021 HDMI IN 1 VIDEO IN ASSIGNABLE 1 DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) AC IN CD a VSX-1021 only b VSX-921 only CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN IN OUT L OUT ZONE 2 ADAPTER PORT (OUTPUT 5 V 0.

1 A MAX) OUT IR IN OUT MONITOR OUT R ANTENNA DVR/ BDR OUT (DVD) ASSIGN ABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 FRONT HEIGHT / WIDE / L(Single) R R L B IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 . ATTENTION: SPEAKERS SELECTABLE SEE INSTRUCTION MANUAL SELECTABLE VOIR LE MODE D'EMPLOI VSX-921 HDMI VIDEO 1 IN BD IN DVD IN DVR/BDR IN OUT for WIRELESS LAN LAN (10/100) COAXIAL DC OUTPUT IN 1 ASSIGNABLE (DVD) IN 1 IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) AC IN CONTROL IN OUT VIDEO AUDIO DVR/BDR CD-R/TAPE ZONE 2 L OUT MONITOR TV/SAT VIDEO 1 OUT IN IN OUT ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) IR IN OUT R DVR/ BDR OUT (DVD) ASSIGN ABLE ANTENNA CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 FRONT HEIGHT / WIDE / L(Single) R R L B IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT Y PB PR TV/SAT VIDEO 1 DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 .

6 -16 . ATTENTION: SPEAKERS SELECTABLE SEE INSTRUCTION MANUAL SELECTABLE VOIR LE MODE D'EMPLOI 10 En Connecting your equipment 03 Determining the speakers' application This unit permits you to build various surround systems, in accordance with the number of speakers you have. ! Be sure to connect speakers to the front left and right channels (L and R). ! It is also possible to only connect one of the surround back speakers (SB) or neither. Choose one from Plans [A] to [E] below. (C), the left and right front height speakers (FHL/FHR), the left and right surround speakers (SL/SR), the left and right surround back speakers (SBL/SBR), and the subwoofer (SW). It is not possible to produce sound simultaneously from the front height or front wide speakers and the surround back speakers. This surround system produces a more true-to-life sound from above. [E] 5.1 channel surround system & ZONE 2 connection (Multi Zone) R L C SW R SR L ! Speaker System setting: ZONE 2 With these connections you can simultaneously enjoy 5.

1-channel surround sound in the main zone with stereo playback on another component in ZONE 2. (The selection of input devices is limited.



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) Main zone [B] 7.1 channel surround system (Front wide) ! Speaker System setting: Normal(SB/FW) SL SBR SBL Speaker B L R Important ! The Speaker System setting must be made if you use any of the connections shown below other than [A] (see Speaker system setting on page 62). ! Sound does not come through simultaneously from the front height, front wide, speaker B and surround back speakers. Output speakers are different depending on the input signal or listening mode. R L C SW FWL SBR SBL FWR SR With these connections you can simultaneously enjoy 5.1-channel surround sound in the main zone with stereo playback of the same sound on the B speakers. The same connections also allow for 7.1-channel surround sound in the main zone when not using the B speakers.

C SW SR SL Sub zone [A] 7.1 channel surround system (Front height) *Default setting ! Speaker System setting: Normal(SB/FH) FHR FHL R L SW C SL [D] 5.1 channel surround system & Front Bi-amping connection (High quality surround) ! Speaker System setting: Front Bi-Amp Bi-amping connection of the front speakers for high sound quality with 5.1-channel surround sound. Front Bi-Amp R ZONE 2 L SR This plan replaces the left and right front height speakers shown in [A] with the left and right front wide speakers (FWL/FWR).

It is not possible to produce sound simultaneously from the front height or front wide speakers and the surround back speakers. This surround system produces a true-to-life sound over a wider area. Other speaker connections ! Your favorite speaker connections can be selected even if you have fewer than 5.1 speakers (except front left/right speakers). ! When not connecting a subwoofer, connect speakers with low frequency reproduction capabilities to the front channel.

(The subwoofer's low frequency component is played from the front speakers, so the speakers could be damaged.) ! After connecting, be sure to conduct the Full Auto MCACC (speaker environment setting) procedure. See Automatically conducting optimum sound tuning (Full Auto MCACC) on page 23 . En R L SW C SL SBR SBL [C] 7.1 channel surround system & Speaker B connection ! Speaker System setting: Speaker B SR SL A 7.1 ch surround system connects the left and right front speakers (L/R), the center speaker 11 03 Connecting your equipment Placing the speakers Refer to the chart below for placement of the speakers you intend to connect. FHL L FWL SW FHR R C 30 60 120 30 60 120 60 FWR SL SR SBR SBL SB ! Place the surround speakers at 120° from the center. If you, (1) use the surround back speaker, and, (2) don't use the front height speakers / front wide speakers, we recommend placing the surround speaker right beside you. ! If you intend to connect only one surround back speaker, place it directly behind you. ! Place the left and right front height speakers at least one meter directly above the left and right front speakers.

! For the best stereo effect, place the front speakers 2 m to 3 m apart, at equal distance from the TV. ! If you're going to place speakers around your CRT TV, use shielded speakers or place the speakers at a sufficient distance from your CRT TV. ! If you're using a center speaker, place the front speakers at a wider angle. If not, place them at a narrower angle. ! Place the center speaker above or below the TV so that the sound of the center channel is localized at the TV screen. Also, make sure the center speaker does not cross the line formed by the leading edge of the front left and right speakers. ! It is best to angle the speakers towards the listening position. The angle depends on the size of the room. Use less of an angle for bigger rooms. ! Surround and surround back speakers should be positioned 60 cm to 90 cm higher than your ears and tilted slightly downward.

Make sure the speakers don't face each other. For DVDAudio, the speakers should be more directly behind the listener than for home theater playback. ! Try not to place the surround speakers farther away from the listening position than the front and center speakers. Doing so can weaken the surround sound effect. Connecting the speakers Each speaker connection on the receiver comprises a positive (+) and negative (-) terminal.

Make sure to match these up with the terminals on the speakers themselves. Note ! Please refer to the manual that came with your speakers for details on how to connect the other end of the speaker cables to your speakers. ! Use an RCA cable to connect the subwoofer. It is not possible to connect using speaker cables. CAUTION ! These speaker terminals carry HAZARDOUS LIVE voltage.

To prevent the risk of electric shock when connecting or disconnecting the speaker cables, disconnect the power cord before touching any uninsulated parts. ! Make sure that all the bare speaker wire is twisted together and inserted fully into the speaker terminal. If any of the bare speaker wire touches the back panel it may cause the power to cut off as a safety measure. Bare wire connections CAUTION Make sure that all speakers are securely installed. This not only improves sound quality, but also reduces the risk of damage or injury resulting from speakers being knocked over or falling in the event of external shocks such as earthquakes. 1 Twist exposed wire strands together. Some tips for improving sound quality Where you put your speakers in the room has a big effect on the quality of the sound. The following guidelines should help you to get the best sound from your system. ! The subwoofer can be placed on the floor. Ideally, the other speakers should be at about ear-level when you're listening to them.

Putting the speakers on the floor (except the subwoofer), or mounting them very high on a wall is not recommended. 2 Loosen terminal and insert exposed wire. 3 1 10 mm Tighten terminal. 2 3 12 En Connecting your equipment 03 Installing your speaker system At the very least, front left and right speakers only are necessary. Note that your main surround speakers should always be connected as a pair, but you can connect just one surround back speaker if you like (it must be connected to the left surround back terminal). Bi-amping your speakers Bi-amping is when you connect the high frequency driver and low frequency driver of your speakers to different amplifiers for better crossover performance. Your speakers must be bi-ampable to do this (having separate terminals for high and low) and the sound improvement will depend on the kind of speakers you're using. Front right Bi-amp compatible speaker Front left Bi-amp compatible speaker Standard surround connection The front height terminals can also be used for the front wide and Speaker B speakers. Front height setting Front height right Front wide setting Front wide right Speaker B setting Speaker B - right Speaker B - left Front wide left HDMI IN 1 VIDEO IN BD IN High High Center Front height left Low Low DVD IN DVR/BDR IN OUT for WIRELESS LAN ASSIGNABLE 1 DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0).



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6 A MAX) (TV/SAT) (DVR/BDR) AC IN CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN IN OUT L OUT ZONE 2 ADAPTER PORT (OUTPUT 5 V 0.

1 A MAX) Front right Center Subwoofer Front left OUT IR IN OUT MONITOR OUT R ANTENNA DVR/ BDR OUT IN DVD IN IN CD FM UNBAL 75 L AM LOOP IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 FRONT HEIGHT / WIDE / L(Single) R R L B LINE LEVEL INPUT (DVD) ASSIGNABLE IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 . ATTENTION: SPEAKERS SELECTABLE SEE INSTRUCTION MANUAL SELECTABLE VOIR LE MODE D'EMPLOI HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT ASSIGNABLE 1 for WIRELESS LAN DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) AC IN CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT ZONE 2 ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) OUT IR IN OUT MONITOR OUT R ANTENNA DVR/ BDR OUT (DVD) ASSIGNABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN Subwoofer R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 FRONT HEIGHT / WIDE / L(Single) R R L Surround right Surround left IN R A B IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 .

6 -16 . ATTENTION: CAUTION SPEAKERS SELECTABLE SEE INSTRUCTION MANUAL SELECTABLE VOIR LE MODE D'EMPLOI The surround back terminals can also be used for ZONE 2. 5.1 ch surround setting Not connected 6.1 ch surround setting Surround right Not connected Surround back 7. 1 ch surround setting Surround back right Surround back left ZONE 2 setting ZONE 2 - Right ZONE 2 - Left Surround left Not connected ! Most speakers with both High and Low terminals have two metal plates that connect the High to the Low terminals. These must be removed when you are bi-amping the speakers or you could severely damage the amplifier. See your speaker manual for more information. ! If your speakers have a removable crossover network, make sure you do not remove it for bi-amping. Doing so may damage your speakers. En 13 03 Connecting your equipment Bi-wiring your speakers Your speakers can also be bi-wired if they support bi-amping. ! With these connections, the Speaker System setting makes no difference. Selecting the Speaker system The front height terminals can be used for front wide and Speaker B connections, in addition to for the front height speakers. Also, the surround back terminals can be used for bi-amping and ZONE 2 connections, in addition to for the surround back speakers. Make this setting according to the application.

Bi-Amping setup Bi-amping connection of the front speakers for high sound quality with 5.1-channel surround sound. About the audio connection Types of cables and terminals HDMI Sound signal priority Transferable audio signals HD audio CAUTION ! Don't connect different speakers from the same terminal in this way. ! When bi-wiring as well, heed the cautions for bi-amping shown above. 1 Connect bi-amp compatible speakers to the front and surround back speaker terminals. See Bi-amping your speakers on page 13 . Digital (Coaxial) Conventional digital audio Front height setup *Default setting 2 Select 'Front Bi-Amp' from the Speaker System menu. See Speaker system setting on page 62 to do this. Digital (Optical) % To bi-wire a speaker, connect two speaker cords to the speaker terminal on the receiver. 1 Connect a pair of speakers to the front height speaker terminals.

See Standard surround connection on page 13 . ZONE 2 setup With these connections you can simultaneously enjoy 5.1-channel surround sound in the main zone with stereo playback on another component in ZONE 2. RCA (Analog) (White/Red) Conventional analog audio 2 If necessary, select 'Normal(SB/FH)' from the Speaker System menu. See Speaker system setting on page 62 to do this.

Front wide setup 1 Connect a pair of speakers to the front height speaker terminals. See Standard surround connection on page 13 . 1 Connect a pair of speakers to the surround back speaker terminals. See Standard surround connection on page 13 . ! With an HDMI cable, video and audio signals can be transferred in high quality over a single cable.

2 Select 'ZONE 2' from the Speaker System menu. See Speaker system setting on page 62 to do this. About the video converter The video converter ensures that all video sources are output through all of the MONITOR VIDEO OUT jacks. The only exception is HDMI: since this resolution cannot be downsampled, you must connect your monitor/TV to the receiver's HDMI output when connecting this video source. If several video components are assigned to the same input function (see The Input Setup menu on page 24), the converter gives priority to HDMI, component, then composite (in that order). 2 Select 'Normal(SB/FW)' from the Speaker System menu. See Speaker system setting on page 62 to do this. Speaker B setup You can listen to stereo playback in another room. 1 Connect a pair of speakers to the front height speaker terminals. See Standard surround connection on page 13 .

2 Select 'Speaker B' from the Speaker System menu. See Speaker system setting on page 62 to do this. 14 En Connecting your equipment 03 Terminal for connection with source device High picture quality Terminal for connection with TV monitor About HDMI The HDMI connection transfers uncompressed digital video, as well as almost every kind of digital audio. This receiver incorporates High-Definition Multimedia Interface (HDMI®) technology. This receiver supports the functions described below through HDMI connections. ! Digital transfer of uncompressed video (contents protected by HDCP (1080p/24, 1080p/60, etc.)) ! 3D signal transfer ! Deep Color signal transfer ! x.v.Color signal transfer ! ARC (Audio Return Channel) ! Input of multi-channel linear PCM digital audio signals (192 kHz or less) for up to 8 channels ! Input of the following digital audio formats: -- Dolby Digital, Dolby Digital Plus, DTS, High bitrate audio (Dolby TrueHD, DTS-HD Master Audio, DTS-HD High Resolution Audio), DVD-Audio, CD, SACD (DSD signal), Video CD, Super VCD ! Synchronized operation with components using the Control with HDMI function (see Control with HDMI function on page 41) HDMI IN HDMI OUT Y PB PR Y PB PR COMPONENT VIDEO IN COMPONENT VIDEO MONITOR OUT VIDEO IN VIDEO MONITOR OUT Video signals can be output Note ! If the video signal does not appear on your TV, try adjusting the resolution settings on your component or display.



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Note that some components (such as video game units) have resolutions that may not be converted.

In this case, try switching Digital Video Conversion (in Setting the Video options on page 46) OFF. ! The signal input resolutions that can be converted from the component video input for the HDMI output are 480i/576i, 480p/576p, 720p and 1080i. 1080p signals cannot be converted. ! Only signals with an input resolution of 480i/576i can be converted from the component video input for the composite MONITOR OUT terminals. This item incorporates copy protection technology that is protected by U.

S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited. Note ! An HDMI connection can only be made with DVI-equipped components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). If you choose to connect to a DVI connector, you will need a separate adaptor (DVItoHDMI) to do so.

A DVI connection, however, does not support audio signals. Consult your local audio dealer for more information. ! If you connect a component that is not compatible with HDCP, an HDCP ERROR message is displayed on the front panel display. Some components that are compatible with HDCP still cause this message to be displayed, but so long as there is no problem with displaying video this is not a malfunction. ! Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers. ! This receiver supports SACD, Dolby Digital Plus, Dolby TrueHD and DTS-HD Master Audio. To take advantage of these formats, however, make sure that the component connected to this receiver also supports the corresponding format. ! Use a High Speed HDMI® cable. If an HDMI cable other than a High Speed HDMI® cable is used, it may not work properly. ! When an HDMI cable with a built-in equalizer is connected, it may not operate properly.

! Signal transfer is only possible when connected to a compatible component. ! HDMI format digital audio transmissions require a longer time to be recognized. Due to this, interruption in the audio may occur when switching between audio formats or beginning playback. ! Turning on/off the device connected to this unit's HDMI OUT terminal during playback, or disconnecting/connecting the HDMI cable during playback, may cause noise or interrupted audio. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries. "x.v.Color" and marks of Sony Corporation. are trade- En 15 03 Connecting your equipment Connecting your TV and playback components Connecting using HDMI If you have an HDMI or DVI (with HDCP) equipped component (Blu-ray Disc player (BD), etc.), you can connect it to this receiver using a commercially available HDMI cable.

If the TV and playback components support the Control with HDMI feature, the convenient Control with HDMI functions can be used (see Control with HDMI function on page 41). HDMI/DVI-compatible Blu-ray Disc player HDMI/DVI-compatible monitor Select one Connecting your DVD player with no HDMI output This diagram shows connections of a TV (with HDMI input) and DVD player (or other playback component with no HDMI output) to the receiver. HDMI/DVI-compatible monitor DVD player, etc. Other HDMI/DVIequipped component AUDIO OUT HDMI IN Select one DIGITAL OUT COAXIAL OPTICAL R ANALOG L VIDEO OUT VIDEO Select one COMPONENT VIDEO OUT PR PB Y HDMI OUT HDMI OUT HDMI IN DIGITAL OUT COAXIAL OPTICAL AUDIO OUT R ANALOG L VSX-1021 only This connection is required in order to listen to the sound of the TV over the receiver. HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT for WIRELESS LAN ASSIGNABLE 1 DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0.

6 A MAX) (TV/SAT) (DVR/BDR) CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT ZONE 2 ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) OUT HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT ASSIGNABLE 1 for WIRELESS LAN DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 IR IN OPTICAL ASSIGNABLE MONITOR OUT R ANTENNA OUT DVR/ BDR OUT IN DVD IN IN (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) CD FM UNBAL 75 L AM LOOP IN R CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT A ZONE 2 R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 FR R L(Single) ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) (DVD) ASSIGN ABLE IN 1 OUT IR IN OUT MONITOR OUT R ANTENNA (DVR/ BDR) IN 2 L IN IN R SUBWOOFER DVR/ BDR OUT (DVD) ASSIGN ABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 R L(Single) MONITOR OUT Y PB PR TV/SAT VIDEO DVD IN 1 COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 .

ATTENTION: SPEAKERS SELECTA SELECTA (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER 6 -16 . IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . ATTENTION: SPEAKERS SEL SEL ! For input components, connections other than HDMI connections are also possible (see Connecting your DVD player with no HDMI output on page 16). ! If you want to listen to the sound of the TV over the receiver, connect the receiver and TV with audio cables. -- When the TV and receiver are connected by HDMI connections, if the TV supports the HDMI ARC (Audio Return Channel) function, the sound of the TV is input to the receiver via the HDMI OUT terminal, so there is no need to connect an audio cable. In this case, set TV Audio at HDMI Setup to via HDMI (see HDMI Setup on page 41). ! If you want to listen to the sound of the TV over the receiver, connect the receiver and TV with audio cables (page 16). -- When the TV and receiver are connected by HDMI connections, if the TV supports the HDMI ARC (Audio Return Channel) function, the sound of the TV is input to the receiver via the HDMI OUT terminal, so there is no need to connect an audio cable. In this case, set TV Audio at HDMI Setup to via HDMI (see HDMI Setup on page 41). ! If you use an optical digital audio cable, you'll need to tell the receiver which digital input you connected the player to (see The Input Setup menu on page 24).

16 En Connecting your equipment 03 Connecting your TV with no HDMI input This diagram shows connections of a TV (with no HDMI input) and DVD player (or other playback component) to the receiver. ! With these connections, the picture is not output to the TV even if the DVD player is connected with an HDMI cable.



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Connect the DVD player's video signals using a composite or component cord. Connecting an HDD/DVD recorder, BD recorder and other video sources This receiver has two sets of audio/video inputs and outputs suitable for connecting analog or digital video devices, including HDD/DVD recorders and BD recorders. When you set up the receiver you'll need to tell the receiver which input you connected the recorder to (see also The Input Setup menu on page 24). HDD/DVD recorder, BD recorder, etc. DVD player, etc. TV Select one COMPONENT VIDEO IN PR PB Y VIDEO IN VIDEO VIDEO OUT VIDEO Select one COMPONENT VIDEO OUT PR PB Y HDMI OUT DIGITAL OUT COAXIAL OPTICAL Select one AUDIO OUT R ANALOG L VIDEO IN VIDEO AUDIO IN R ANALOG L AUDIO OUT Select one R ANALOG L DIGITAL OUT COAXIAL OPTICAL VIDEO OUT VIDEO HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT ASSIGNABLE 1 for WIRELESS LAN DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT for WIRELESS LAN ASSIGNABLE 1 DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) OPTICAL ASSIGNABLE CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT ZONE 2 (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) ADAPTER PORT (OUTPUT 5 V 0.

1 A MAX) CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT ZONE 2 OUT IR IN OUT MONITOR OUT ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) R ANTENNA OUT DVR/ BDR OUT (DVD) ASSIGN ABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN IR IN R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 R L(Single) MONITOR OUT R ANTENNA IN R A OUT DVR/ BDR OUT (DVD) ASSIGN ABLE IN 1 CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 R L(Single) IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT (DVR/ BDR) IN 2 L IN IN R SUBWOOFER Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER 6 -16 . IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . ATTENTION: SPEAKERS SELEC SELEC MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 .

ATTENTION: SPEAKERS SELEC SELEC ! Connect using an HDMI cable to listen to HD audio on the receiver. Do not use an HDMI cable to input video signals. Depending on the video component, it may not be possible to output signals connected by HDMI and other methods simultaneously, and it may be necessary to make output settings. Please refer to the operating instructions supplied with your component for more information. ! If you want to listen to the sound of the TV over the receiver, connect the receiver and TV with audio cables (page 16).

! If you use an optical digital audio cable, you'll need to tell the receiver which digital input you connected the player to (see The Input Setup menu on page 24). ! In order to record, you must connect the analog audio cables (the digital connection is for playback only) (page 48). ! If your HDD/DVD recorder, BD recorder, etc., is equipped with an HDMI output terminal, we recommend connecting it to the receiver's HDMI DVR/BDR IN terminal. When doing so, also connect the receiver and TV by HDMI (see Connecting using HDMI on page 16). En 17 03 Connecting your equipment Connecting a satellite/cable receiver or other set-top box Satellite and cable receivers, and terrestrial digital TV tuners are all examples of so-called 'set-top boxes'. When you set up the receiver you'll need to tell the receiver which input you connected the set-top box to (see The Input Setup menu on page 24). STB Connecting other audio components This receiver has both digital and analog inputs, allowing you to connect audio components for playback. When you set up the receiver you'll need to tell the receiver which input you connected the component to (see also The Input Setup menu on page 24). CD-R, MD, DAT, etc.

VIDEO OUT VIDEO AUDIO OUT Select one DIGITAL OUT COAXIAL OPTICAL AUDIO IN R ANALOG L R ANALOG L AUDIO OUT Select one R ANALOG L DIGITAL OUT COAXIAL OPTICAL HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT for WIRELESS LAN ASSIGNABLE 1 DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN OUT ASSIGNABLE 1 OPTICAL for WIRELESS LAN DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE ASSIGNABLE (OUTPUT 5 V 0.6 A MAX) (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) (TV/SAT) CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN OUT IN L OUT CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN IN OUT L OUT ZONE 2 ZONE 2 ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) OUT OUT IR IN OUT MONITOR OUT R ANTENNA IR IN OUT MONITOR OUT R ANTENNA DVR/ BDR OUT (DVD) ASSIGN ABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN DVR/ BDR OUT (DVD) ASSIGN ABLE CD FM UNBAL 75 L AM LOOP IN DVD IN IN IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 F R L(Single) IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 R L(Single) IN 1 IN 1 (DVR/ BDR) IN 2 L IN IN R SUBWOOFER (DVR/ BDR) IN 2 L IN IN R SUBWOOFER MONITOR OUT MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO PRE OUT CAUTION: SPEAKER 6 -16 . IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . ATTENTION: Y PB PR TV/SAT VIDEO DVD SPEAKERS SELECT SELEC COMPONENT VIDEO PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 . ATTENTION: SPEAKERS SELEC SELEC ! VSX-1021 only: If your set-top box is equipped with an HDMI output terminal, we recommend connecting it to the receiver's HDMI IN 1 terminal. When doing so, also connect the receiver and TV by HDMI (see Connecting using HDMI on page 16).

! If you're connecting a recorder, connect the analog audio outputs to the analog audio inputs on the recorder. ! If your turntable has line-level outputs (i.e., it has a built-in phono pre-amp), connect it to the CD inputs instead. 18 En Connecting your equipment 03 Connecting AM/FM antennas Connect the AM loop antenna and the FM wire antenna as shown below.

To improve reception and sound quality, connect external antennas (see Connecting external antennas on page 19).



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1 2 5 Connect the FM wire antenna into the FM antenna socket. For best results, extend the FM antenna fully and fix to a wall or door frame. Don't drape loosely or leave coiled up. MULTI-ZONE setup This receiver can power up to two independent systems in separate rooms after you have made the proper MULTI-ZONE connections.

Different sources can be playing in two zones at the same time or, depending on your needs, the same source can also be used. The main and sub zone have independent power (the main zone power can be off while sub zone is on) and the sub zone can be controlled by the remote or front panel controls. In case of VSX-921 Sub Zone ZONE 2 Input functions available DVD, TV/SAT, DVR/BDR, VIDEO 1, VIDEO 2, CD, CD-R/TAPE, TUNER, ADAPTER PORT (Output analog audio only.) Connecting external antennas To improve FM reception, connect an external FM antenna to FM UNBAL 75 W. It is not possible to down-convert the audio input signal from the HDMI input terminals or digital input terminals (OPTICAL and COAXIAL) and output them to ZONE 2. 5 ANTENNA FM UNBAL 75 AM LOOP 3 75 coaxial cable Basic MULTI-ZONE setup (ZONE 2) 1 Connect a separate amplifier to the AUDIO ZONE 2 OUT jacks on this receiver. You should have a pair of speakers attached to the sub zone amplifier as shown in the following illustration. Important VSX-921 model cannot connect the TV monitor for sub zone. 4 ANTENNA fig. a fig.

b fig. c FM UNBAL 75 AM LOOP Making MULTI-ZONE connections It is possible to make these connections if you have a separate TV and speakers for the sub zone (ZONE 2). You will also need a separate amplifier if you are not using the MULTI-ZONE setup using speaker terminals (ZONE 2) on page 19 for the sub zone. 1 Pull off the protective shields of both AM antenna wires. 2 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires. 3 Fix the AM loop antenna to the attached stand. To fix the stand to the antenna, bend in the direction indicated by the arrow (fig. a) then clip the loop onto the stand (fig. b). ! If you plan to mount the AM antenna to a wall or other surface, secure the stand with screws (fig. c) before clipping the loop to the stand. Make sure the reception is clear. To improve AM reception, connect a 5 m to 6 m length of vinyl-coated wire to the AM LOOP terminals without disconnecting the supplied AM loop antenna. For the best possible reception, suspend horizontally outdoors. Outdoor antenna Indoor antenna (vinyl-coated wire) ANTENNA FM UNBAL 75 AM LOOP 2 VSX-1021 only: Connect a TV monitor to the VIDEO ZONE 2 OUT jack on this receiver.

Sub zone (ZONE 2) VSX-1021 only VIDEO IN Main zone HDMI IN 1 VIDEO IN BD IN DVD IN DVR/BDR IN ASSIGNABLE 1 CONTROL IN VIDEO OUT AUDIO DVR/BDR CD-R/TAPE ZONE 2 TV/SAT VIDEO IN IN OUT L OUT ZONE 2 MULTI-ZONE listening options The following table shows the signals that can be output to ZONE 2: In case of VSX-1021 Sub Zone Input functions available DVD, TV/SAT, DVR/BDR, VIDEO, HOME MEDIA GALLERY, iPod/USB, CD, CD-R/TAPE, TUNER, ADAPTER PORT (Outputs analog audio, composite video.) OUT IR IN OUT MONITOR OUT R AN DVR/ BDR OUT (DVD) ASSIGNABLE CD FM 75 L IN DVD IN IN IN R IN 1 (DVR/ BDR) IN 2 L IN IN R AUDIO IN R L MONITOR OUT Y PB PR TV/SAT VIDEO DVD COMPONENT VIDEO 5 m to 6 m ZONE 2 4 Place the AM antenna on a flat surface and in a direction giving the best reception. It is not possible to down-convert the audio and video input signals from the HDMI input terminals, digital input terminals (OPTICAL and COAXIAL) and the COMPONENT VIDEO input terminals and output them to ZONE 2. MULTI-ZONE setup using speaker terminals (ZONE 2) You must select ZONE 2 in Speaker system setting on page 62 to use this setup. 1 Connect a pair of speakers to the surround back speaker terminals.

En 19 03 Connecting your equipment 2 VSX-1021 only: Connect a TV monitor to the VIDEO ZONE 2 OUT jack on this receiver. Sub zone (ZONE 2) Main zone HDMI IN 1 ASSIGNABLE 1 OUT for WIRELESS LAN LAN (10/100) C DC OUTPUT (OUTPUT 5 V 0.6 A MAX) Connecting optional Bluetooth ADAPTER Internet Modem Connecting an iPod This receiver has a dedicated iPod terminal that will allow you to control playback of audio content from your iPod using the controls of this receiver. In case of VSX-1021 CONTROL ON / OFF ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) TENNA COAXIAL ASSIGNABLE IN VIDEO IN IN 1 IN 2 1 (DVD) (CD) IN 2 UNBAL OPTICAL VSX-1021 only VIDEO IN ASSIGNABLE AM LOOP (TV/SAT) (DVR/BDR) A R FRONT L CENTER CONTROL IN VIDEO OUT ZONE 2 TV/SAT IN OUT IR IN OUT MONITOR OUT DVR/ BDR OUT (DVD) ASSIGNABLE SUBWOOFER IN R SURROUND L SURROUND BACK / ZONE 2 FRONT HEIG L (Single) R R IN 1 PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 . 6 -16 . ATTENTION: (DVR/ BDR) IN 2 L R MONITOR OUT Y PB COMPONENT VI SPEAKERS SELECTABLE SEE INST SELECTABLE VOIR LE M LAN 3 2 1 WAN When the Bluetooth® ADAPTER (AS-BT100 or AS-BT200) is connected to this receiver, a product equipped with Bluetooth wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly. ! The Bluetooth wireless technology enabled device must support A2DP profiles. ! Pioneer does not guarantee proper connection and operation of this unit with all Bluetooth wireless technology enabled devices.

Bluetooth® ADAPTER DVD IN DVR/BDR IN OUT 5V iPod iPhone iPad 2.1 A Router LAN cable (sold separately) to LAN port O R CD-R/TAPE ZONE 2 L OUT MCACC SETUP MIC USB HDMI 2 INPUT for WIRELESS LAN DC OUTPUT LAN (10/100) COAXIAL ASSIGNABLE IN IN 1 IN 2 1 (DVD) (CD) IN 2 OPTICAL ASSIGNABLE (OUTPUT 5 V 0.6 A MAX) (TV/SAT) (DVR/BDR) iPod iPod cable (supplied) Connecting to the network through LAN interface By connecting this receiver to the network via the LAN terminal, you can listen to Internet radio stations. To listen to Internet radio stations, you must sign a contract with an ISP (Internet Service Provider) beforehand. When connected in this way, you can play audio files stored on the components on the network, including your computer, using HOME MEDIA GALLERY inputs. PC ADAPTER PORT (OUTPUT 5 V 0.1 A MAX) R ANTENNA Connect the LAN terminal on this receiver to the LAN terminal on your router (with or without the built-in DHCP server function) with a straight LAN cable (CAT 5 or higher). Turn on the DHCP server function of your router. In case your router does not have the built-in DHCP server function, it is necessary to set up the network manually.

For details, see Network Setup menu on page 64 .

CD FM UNBAL 75 L AM LOOP IN R A R FRONT L CENTER R SURROUND L SURROUND BACK / ZONE 2 F L (Single) R MENU L IN R T VIDEO DVD SUBWOOFER PRE OUT CAUTION: SPEAKER IMPEDANCE ENCEINTE D'IMPEDANCE DE 6 -16 .



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