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You can read the recommendations in the user guide, the technical guide or the installation guide for PIONEER VSX-521. You'll find the answers to all your questions on the PIONEER VSX-521 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***

**VSX-521-K** | AUDIO/VIDEO MULTI-CHANNEL RECEIVER

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Operating Instructions



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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. 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 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. @@@@If in any doubt, please consult a qualified electrician.

@@@How to replace the fuse: Open the fuse compartment with a screwdriver and replace the fuse. D3-4-2-1-2-2\*\_A2\_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 2 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. Pb K058a\_A1\_En WARNING This equipment is not waterproof. 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 WARNING 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 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 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 3 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 Before you start . .

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11 Listening mode buttons AUTO SURROUND/STREAM DIRECT Switches between Auto surround mode (page 26) and Stream Direct playback (page 27). 1

*INPUT SELECTOR dial Selects an input source (page 21). 2 MCACC indicator Lights when Acoustic Calibration EQ (page 27) is on (Acoustic Calibration EQ is automatically set to on after the Auto MCACC setup (page 19)). 3 Receiver control buttons SPEAKERS Use to change the speaker system on or off. When the SP OFF is selected, no sound is output from the speakers connected to this receiver. DIMMERoadcast frequency. 18 Speaker indicators Shows if the speaker system is on or not (page 6). SPA means the speakers are switched on. SP means the speakers are switched off. 7 En 01 Controls and displays As for operating other devices, the remote control codes for the Pioneer products are preset.*

*The settings cannot be changed. Remote control 1 2 3 4 5 ADAPTER TUNER PORTABLE VIDEO S.RETRIEVER SIGNAL SEL VOL RECEIVER SLEEP TV SOURCE CONTROL RECEIVER INPUT SELECT DTV/TV INPUT BD DVD TV 12 13 CH 1 SLEEP Press to change the amount of time before the receiver switches into standby (30 min 60 min 90 min Off). You can check the remaining sleep time at any time by pressing SLEEP once. 2 RECEIVER Switches the receiver between standby and on. 3 RECEIVER Switches the remote to control the receiver (used to select the white commands above the number buttons (MIDNIGHT, etc)). Also use this button to set up surround sound (page 31) or Audio parameters (page 29). DVR/BDR CD CD-R 6 7 8 9 HOME MENU TOP MENU AUTO/DIRECT BD MENU ALC/STEREO STANDARD ADV SURR 14 4 INPUT SELECT Use to select the input source (page 21). 5 Input function buttons Use to select the input source to this receiver (page 21). This will enable you to control other Pioneer components with the remote control. 6 S.RETRIEVER Press to restore CD quality sound to compressed audio sources (page 27). 7 Listening mode buttons AUTO/DIRECT Switches between Auto surround mode (page 26) and Stream Direct playback (page 27). STEREO Press to select stereo playback (page 26). ALC/STANDARD SURR Press for standard decoding and to switch between the modes of 2 Pro Logic II, 2 Pro Logic IIx, 2 Pro Logic IIz and NEO:6, and the Auto level control stereo mode (page 26).*

*ADV SURR Switches between the various surround modes (page 27). Press BD first to access: BD MENU\* Displays the disc menu of Blu-ray Discs. AUDIO PARAMETER TUNE TUNER EDIT MASTER VOLUME TOOLS MENU Press RECEIVER first to access: AUDIO PARAMETER Use to access the Audio options (page 29). SETUP Press to access the System Setup menu (page 31). RETURN Confirm and exit the current menu screen. Press BD, DVD or DVR/BDR first to access: TOP MENU Displays the disc 'top' menu of a Blu-ray Disc/DVD. HOME MENU Displays the HOME MENU screen. RETURN Confirm and exit the current menu screen. MENU Displays the TOOLS menu of Blu-ray Disc player. Press TUNER first to access: TUNER EDIT Memorizes stations for recall (page 24), also used to change the name (page 24). BAND Switches between AM, FM ST (stereo) and FM MONO radio bands (page 24). PTY SEARCH Use to search for RDS program types (page 25). 9 /// (TUNE /, PRESET /), ENTER Use the arrow buttons when setting up your surround sound system (page 31). Also used to control Blu-ray Disc/DVD menus/options. Use TUNE / can be used to find radio frequencies and PRESET / can be used to select preset radio stations (page 24).*

*10 Component control buttons The main buttons (, , etc.) are used to control a component after you have selected it using the input function buttons. The controls above these buttons can be accessed after you have selected the corresponding input function button (BD, DVD, DVR/BDR and CD). These buttons also function as described below. Press RECEIVER first to access: BASS /+, TRE /+ Use to adjust Bass or Treble.*



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· These controls are disabled when the listening mode is set to DIRECT or PURE DIRECT. PRESET PRESET ENTER 15 BAND TUNE SETUP PTY SEARCH RETURN MUTE 16 10 BASS TRE HDD DVD VCR 1 2 5 8 0 3 6 LEV DISP EQ CH PHASE CH SHIFT 17 SB CH CH SELECT 11 4 7 DIMMER CLR MIDNIGHT SPEAKERS 9 LEV ENTER +10 18 RECEIVER 8 En 8 System Setup and component control buttons The following button controls can be accessed after you have selected the corresponding input function button (BD, DVD, etc.). Controls and displays · When the front speaker is set at SMALL in the Speaker Setting (or automatically via the Auto MCAACC setup) and the Crossover Network is set above 150 Hz, the subwoofer channel level will be adjusted by pressing BASS +/- (page 32). 11 Number buttons and other component controls Use the number buttons to directly select a radio frequency (page 24) or the tracks on a CD, etc.

There are other buttons that can be accessed after RECEIVER is pressed. (For example MIDNIGHT, etc.) HDD\*, DVD\*, VCR\* These buttons switch between the hard disk, DVD and VCR controls for HDD/DVD/VCR recorders. SB CH Press to select ON, AUTO or OFF the surround back channel (page 28). CH SELECT Press repeatedly to select a channel, then use LEV +/- to adjust the level (page 32). LEV +/- Use to adjust the channel level. EQ Press to switch on/off Acoustic Calibration EQ setting (page 27). MIDNIGHT Switches to Midnight or Loudness listening (page 29). SPEAKERS Use to change the speaker system on or off. When the SP OFF is selected, no sound is output from the speakers connected to this receiver.

PHASE Press to switch on/off Phase Control (page 28). DIMMER Dims or brightens the display. The brightness can be controlled in four steps. 12 SOURCE Turns on or off the power of the Pioneer DVD/DVR units when BD, DVD, DVR/BDR or CD is selected using the input function buttons. 13 TV CONTROL buttons These buttons can control only be used with Pioneer TVs. Use to turn on/off the power of the TV. INPUT Use to select the TV input signal. CH +/- Use to select channels. VOL +/- Use to adjust the volume on your TV. DTV/TV\* Switches between the DTV and analog TV input modes for Pioneer TVs.

14 SIGNAL SEL Press to select the audio input signal of the component to play back (page 21). 15 MASTER VOLUME +/- Use to set the listening volume. 16 MUTE Mutes/unmutes the sound. 17 DISP Switches the display of this unit. The listening mode, sound volume, Pre Out setting or input name can be checked by selecting an input source. · The Pre Out setting may or may not be displayed, depending on the input source you have selected. 18 SHIFT Press to access the 'boxed' commands (above the buttons) on the remote. These buttons are marked with an asterisk (\*) in this section. - Do not use or store batteries in direct sunlight or other excessively hot place, such as inside a car or near a heater. This can cause batteries to leak, overheat, explode or catch fire.

It can also reduce the life or performance of batteries. 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 unit.

Loading the batteries 30° 30° The batteries included with the unit are to check initial operations; they may not last over a long period. We recommend using alkaline batteries that have a longer life. CAUTION · Incorrect use of batteries may result in such hazards as leakage and bursting. Observe the following precautions: · Never use new and old batteries together. · Insert the plus and minus sides of the batteries properly according to the marks in the battery case.

· Batteries with the same shape may have different voltages. Do not use different batteries together. · When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area. 7m 9 En 02 Connecting your equipment Chapter 2: Connecting your equipment Placing the speakers By connecting the left and right front speakers (L/R), the center speaker (C), the left and right surround speakers (SL/SR), and the subwoofer (SW), a 5.1 ch surround system can be enjoyed. Further, by using an external amplifier, you can connect the left and right surround back speakers (SBL/SBR) or the left and right front height speaker (FHL/FHR) to boost your system up to a 7.1 ch surround system. · You can also connect one surround back speaker (SB) and enjoy a 6.1 ch surround system. To achieve the best possible surround sound, install your speakers as shown below.

5.1 channel surround system: 6.1 channel surround (Surround back) system: a R L C SW 120 SR SL SL SB 120 SW 120 SR C 120 Hints on the speaker placement 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. · 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 slight downward. Make sure the speakers don't face each other. For DVD-Audio, the speakers should be more directly behind the listener than for home theater playback. · If the surround speakers cannot be set directly to the side of the listening position with a 7.

1-channel system, the surround effect can be enhanced by turning off the Up Mix function (see Setting the Up Mix function on page 28). · Try not to place the surround speakers farther away from the listening position than the front and center speakers.



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Doing so can weaken the surround sound effect. · Place the left and right front height speakers at least one meter directly above the left and right front speakers. 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. 120 R L 7.1 channel surround (Surround back) system: a R L C SW 90 SBR SL SBL 60 7.1 channel surround (Front height) system: a FHR FHL R L 90 SR SW 120 C Important SR SL · To connect the surround back or front height speakers, an additional amplifier is required. Connect the additional amplifier to the PRE OUT SURR BACK/FRONT HEIGHT outputs of this unit and connect the surround back or front height speakers to the additional amplifier (see Connect the surround back or front height speakers on page 11).

a. This layout is available only when the additional amplifier is connected to the unit and the surround back or front height speakers are connected to the amplifier. For details, see Connect the surround back or front height speakers on page 11. 10 En Connecting your equipment 02 Connecting the speakers The receiver will work with just two stereo speakers (the front speakers in the diagram) but using at least three speakers is recommended, and a complete setup is best for surround sound. Make sure you connect the speaker on the right to the right (R) terminal and the speaker on the left to the left (L) terminal. Also make sure the positive and negative (+/-) terminals on the receiver match those on the speakers. Be sure to complete all connections before connecting this unit to the AC power source. Front right Subwoofer LINE LEVEL INPUT Front left Center HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE Bare wire connections VIDEO (TV/SAT) (CD-R/TAPE) Front speaker terminals: 1 2 3 MONITOR TV/SAT OUT IN AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) 1 Twist exposed wire strands together. 2 Loosen terminal and insert exposed wire. 3 Tighten terminal.

Center and surround speaker terminals: L ADAPTER PORT (OUTPUT 5 V OUT PRE OUT 0.1 A MAX) R DVR/ BDR OUT IN DVD IN IN ANTENNA FM UNBAL 75 AM LOOP R FRONT L CENTER SURROUND R L 10 mm CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ L IN IN R SUBWOOFER PB PR TV/SAT BD DVD 1 10 mm 2 3 BDR) 1 Twist exposed wire strands together. 2 Push open the tabs and insert exposed wire. MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A 3 Release the tabs. 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. Surround right Surround back or front height speakers Right Left Surround left Connect the surround back or front height speakers Connect the PRE OUT SURR BACK/FRONT HEIGHT outputs of the unit and additional amplifier to add a surround back or front height speaker. · The Pre Out setting must be set if the above connections are performed.

Select SURR.BACK if the surround back speaker is connected and HEIGHT if the front height speaker is connected (If neither the surround back speaker nor the front height speaker is connected, either setting will suffice) (see The Pre Out Setting on page 34). · You can use the additional amplifier on the surround back channel pre-outs for a single speaker as well. In this case plug the amplifier into the left (L (Single)) terminal only. R ANALOG L AUDIO IN SPEAKER R SPEAKER L Surround back or front height channel amplifier 11 En 02 Connecting your equipment · If the video signal does not appear on your TV, try adjusting the resolution settings on your component or display. Note that some components (such as video game units) have resolutions that may not be displayed. In this case, use a (analog) composite connection. · When the video signal from the HDMI is 480i, 480p, 576i or 576p, Multi Ch PCM sound and HD sound cannot be received. Making cable connections Make sure not to bend the cables over the top of this unit (as shown in the illustration). If this happens, the magnetic field produced by the transformers in this unit may cause a humming noise from the speakers.

About HDMI The HDMI connection transfers uncompressed digital video, as well as almost every kind of digital audio that the connected component is compatible with, including DVDVideo, DVD-Audio, SACD, Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio (see below for limitations), Video CD/ Super VCD and CD. 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 · 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), DVDAudio, CD, SACD (DSD 2 ch only), Video CD, Super VCD · Synchronized operation with components using the Control with HDMI function (see Control with HDMI function on page 35) Important · Before making or changing connections, switch off the power and disconnect the power cord from the AC outlet. · Before unplugging the power cord, switch the power into standby. Note · Use a High Speed HDMI® cable. If 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. · 3D, Deep Color, x.v.Color signal transfer and Audio Return Channel are only possible when connected to a compatible component. · @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.



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"x.v.Color" and Corporation.

are trademarks of Sony HDMI cables Both video and sound signals can be transmitted simultaneously with one cable. If connecting the player and the TV via this receiver, for both connections, use HDMI cables. HDMI Be careful to connect the terminal in the proper direction. Note · Set the HDMI parameter in Setting the Audio options on page 29 to THRU (THROUGH) and set the input signal in Selecting the audio input signal on page 21 to HDMI, if you want to hear HDMI audio output from your TV (no sound will be heard from this receiver). 12 En Connecting your equipment 02 Analog audio cables Use stereo RCA phono cables to connect analog audio components. These cables are typically red and white, and you should connect the red plugs to R (right) terminals and white plugs to L (left) terminals. White (Left) L AUDIO Video cables Standard RCA video cables These cables are the most common type of video connection and are used to connect to the composite video terminals. The yellow plugs distinguish them from cables for audio. VIDEO About video outputs connection This receiver is not loaded with a video converter. When you use component video cables or HDMI cables for connecting to the input device, the same cables should be used for connecting to the TV.

The signals input from the analog (composite and component) video inputs of this unit will not be output from the HDMI OUT. Playback component EO R Red (Right) Yellow Digital audio cables Commercially available coaxial digital audio cables or optical cables should be used to connect digital components to this receiver. Coaxial digital audio cable COA XIA IN L Component video cables Use component video cables to get the best possible color reproduction of your video source. The color signal of the TV is divided into the luminance (Y) signal and the color (PB and PR) signals and then output. In this way, interference between the signals is avoided. CO MP ON EN Y TV IDE PB O Terminal for connection with source device IN HDMI IN IN Y PB PR OPT ICA IN L COMPONENT VIDEO VIDEO Green (Y) Optical cable PR OUT MONITOR OUT Note · When connecting optical cables, be careful when inserting the plug not to damage the shutter protecting the optical socket. · When storing optical cable, coil loosely. The cable may be damaged if bent around sharp corners. · You can also use a standard RCA video cable for coaxial digital connections. Blue (PB) Red (PR) MONITOR OUT Y PB PR HDMI COMPONENT VIDEO Terminal for connection with TV monitor VIDEO The OSD will not appear.

TV Video signals can be output. 13 En 02 Connecting your equipment Connecting a TV and playback components Connecting using HDMI If you have an HDMI or DVI (with HDCP) equipped component (Blu-ray Disc player, 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 35). · The following connection/setting is required to listen to the sound of the TV over this receiver.

- If the TV does not support the HDMI Audio Return Channel function, connect the receiver and TV with audio cables (as shown). - If the TV supports the HDMI Audio Return Channel function, the sound of the TV is input to the receiver via the HDMI terminal, so there is no need to connect an audio cable. In this case, set ARC at HDMI Setup to ON (see HDMI Setup on page 35). Important · If the receiver is connected to a TV using an HDMI cable, the on-screen display (OSD) will not be displayed. Be sure to use a standard RCA analog video cable to connect.

In this case, switch the TV input to analog to see the OSD screen (for setup, etc.) on the TV. · When the Control with HDMI function is ON and the receiver is connected to a compatible TV with an HDMI cable, and you switch the input of the TV to composite or component, the input of the receiver may automatically switch to TV/SAT. If this happens, switch the receiver's input back to the original input, or turn OFF the Control with HDMI function (see HDMI Setup on page 35). HDMI OUT HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT)

(CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT 0.1 A MAX) OUT PRE OUT R DVR/ BDR OUT IN DVD IN IN ANTENNA FM UNBAL 75 AM LOOP R FRONT L CEN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) IN L IN R SUBWOOFER PB PR TV/SAT BD DVD MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A HDMI/DVI-compatible Blu-ray Disc player VIDEO IN HDMI IN R L ANALOG AUDIO OUT OPTICAL DIGITAL AUDIO OUT Select one This connection is necessary in order to see the OSD of the unit on the TV. If the TV does not support the HDMI Audio Return Channel function, this connection is required to listen to the TV sound over the receiver. HDMI/DVI-compatible TV 14 En Connecting your equipment 02 Connecting your component with no HDMI terminal This diagram shows connections of a TV and DVD player (or other playback component) with no HDMI terminal to the receiver. · If both TV and player has a component video jacks, you can connect these too. See Using the component video jacks on page 16 for more on this.

Connecting a satellite receiver or other digital set-top box Satellite and cable receivers, and terrestrial digital TV tuners are all examples of so-called 'settop boxes'. · If the set-top box or video component also has an HDMI or a component video output, you can connect this too. See Connecting using HDMI on page

14 or Using the component video jacks on page 16 for more on this. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE COAXIAL IN 1 ASSIGNABLE IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V AUDIO (CD) (TV/SAT) (CD-R/TAPE) VIDEO ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CENT MONITOR TV/SAT OUT IN MONITOR TV/SAT OUT IN L AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V OUT PRE OUT 0.1 A MAX) L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CENT R DVR/ BDR OUT IN DVD IN IN OUT PRE OUT 0.1 A MAX) CD L IN R R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) IN L IN R SUBWOOFER PB PR TV/SAT BD DVD IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) IN L IN R SUBWOOFER PB PR TV/SAT BD DVD MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A OPTICAL DIGITAL AUDIO OUT VIDEO IN R L ANALOG AUDIO OUT VIDEO OUT R L Select one ANALOG AUDIO OUT OPTICAL COAXIAL DIGITAL AUDIO OUT R L This connection is required in order to listen to the sound of the TV over the receiver.



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<http://yourpdfguides.com/dref/3963645>

TV DVD player Select one VIDEO OUT ANALOG AUDIO OUT COAXIAL OPTICAL DIGITAL AUDIO OUT Select one Set-top box, etc. Note · In order to listen to the audio from the DVD player that is connected to this receiver using an optical cable or a coaxial cable, first, switch to the DVD input, then press SIGNAL SEL to choose the audio signal O2 (OPTICAL2) or C1 (COAXIAL1) (see Selecting the audio input signal on page 21). Note · In order to listen to the audio from the source component that is connected to this receiver using a coaxial cable, first, switch to the TV/SAT, then press SIGNAL SEL to choose the audio signal C1 (COAXIAL1) (see Selecting the audio input signal on page 21). 15 En 02 Connecting your equipment Connecting an HDD/DVD recorder, Blu-ray Disc recorder and other video sources This receiver has audio/video inputs and outputs suitable for connecting analog or digital video recorders, including HDD/DVD recorders and Blu-ray Disc recorders.

· Only the signals that are input to the VIDEO IN terminal can be output from the VIDEO OUT terminal. · Audio signals that are input through the digital terminal will not be output from the analog terminal. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT Using the component video jacks Component video should deliver superior picture quality when compared to composite video. A further advantage (if your source and TV are both compatible) is progressive-scan video, which delivers a very stable, flicker-free picture. See the manuals that came with your TV and source component to check whether they are compatible with progressive-scan video.

· For the audio connection, refer to Connecting your component with no HDMI terminal on page 15. Important · If you connect any source component to the receiver using a component video input, you must also have your TV connected to this receiver's COMPONENT VIDEO MONITOR OUT jacks. · If necessary, assign the component video inputs to the input source you've connected. This only needs to be done if you didn't connect according to the following defaults: - COMPONENT VIDEO IN 1: DVD - COMPONENT VIDEO IN 2: DVR/BDR See The Input Assign menu on page 33 for more on this. DVR/BDR CD-R/TAPE FRONT HEIGHT MONITOR TV/SAT OUT IN COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CENT OUT PRE OUT 0.

1 A MAX) R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE (DVR/ BD IN OUT PRE OUT 0.1 A MAX) (Single) (OUTPUT 5V L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L C IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD DVR/ BDR OUT IN DVD IN IN R CD L IN R BDR) MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A IN 1 (DVD) ASSIGNABLE (DVR/ IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD BDR) MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A R R L L ANALOG AUDIO OUT VIDEO IN VIDEO OUT OPTICAL DIGITAL AUDIO OUT ANALOG AUDIO IN Select one HDD/DVD recorder, Blu-ray Disc recorder, etc. PR PB Y COMPONENT VIDEO OUT 16

En Note · In order to listen to the audio from the source component that is connected to this receiver using an optical cable, first, switch to the DVR/BDR input, then press SIGNAL SEL to choose the audio signal O2 (OPTICAL2) (see Selecting the audio input signal on page 21). PR COMPONENT VIDEO IN PB Y TV DVD player Connecting your equipment 02 Connecting other audio components The number and kind of connections depends on the kind of component you're connecting. Follow the steps below to connect a CD-R, MD, DAT, tape recorder or other audio component. · Note that you must connect digital components to analog audio jacks if you want to record to/from digital components (like an MD) to/from analog components. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT Connecting optional Bluetooth® ADAPTER When the Bluetooth ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with Bluetooth wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly. Connect a Bluetooth ADAPTER to the ADAPTER PORT terminal on the rear panel.

· For instructions on playing the Bluetooth wireless technology device, see Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device on page 23. Important Connecting antennas Connect the AM loop antenna and the FM wire antenna as shown below. To improve reception and sound quality, connect external antennas (see Using external antennas below). fig. a fig. b COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CEN OUT PRE OUT 0.1 A MAX) R DVR/ BDR OUT IN DVD IN IN CD L IN R · Do not move the receiver with the Bluetooth ADAPTER connected. Doing so could cause damage or faulty contact. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT 2 4 ANTENNA FM UNBAL 75 AM LOOP IN 1 (DVD) ASSIGNABLE (DVR/ COAXIAL IN 1 ASSIGNABLE IN 1 IN 2 OP ASS IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD BDR) (CD) (TV/SAT) (CD-R/TAPE VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V 3 ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A MONITOR TV/SAT OUT IN L OUT PRE OUT 0.1 A MAX) 1 R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) L IN IN R SUBWOOFER PB PR TV/SAT BD DVD R R REC L ANALOG AUDIO IN L ANALOG AUDIO OUT COAXIAL OPTICAL DIGITAL AUDIO OUT 1 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires. PRE OUT SPEAKE Select one CD-R, MD, DAT, Tape recorder, etc. MONITOR OUT Y COMPONENT VIDEO 2 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). Bluetooth® ADAPTER Note · In order to listen to the audio from the CD player that is connected to this receiver using a coaxial cable, first, switch to the CD-R input, then press SIGNAL SEL to choose the audio signal C1 (COAXIAL1) (see Selecting the audio input signal on page 21). 3 Place the AM antenna on a flat surface and in a direction giving the best reception. 4 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.

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· For instructions on playing the Bluetooth wireless technology device, see Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device on page 23. Important Connecting antennas Connect the AM loop antenna and the FM wire antenna as shown below. To improve reception and sound quality, connect external antennas (see Using external antennas below). fig. a fig. b COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CEN OUT PRE OUT 0.1 A MAX) R DVR/ BDR OUT IN DVD IN IN CD L IN R · Do not move the receiver with the Bluetooth ADAPTER connected. Doing so could cause damage or faulty contact. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT 2 4 ANTENNA FM UNBAL 75 AM LOOP IN 1 (DVD) ASSIGNABLE (DVR/ COAXIAL IN 1 ASSIGNABLE IN 1 IN 2 OP ASS IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD BDR) (CD) (TV/SAT) (CD-R/TAPE VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V 3 ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A MONITOR TV/SAT OUT IN L OUT PRE OUT 0.1 A MAX) 1 R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) L IN IN R SUBWOOFER PB PR TV/SAT BD DVD R R REC L ANALOG AUDIO IN L ANALOG AUDIO OUT COAXIAL OPTICAL DIGITAL AUDIO OUT 1 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires. PRE OUT SPEAKE Select one CD-R, MD, DAT, Tape recorder, etc. MONITOR OUT Y COMPONENT VIDEO 2 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). Bluetooth® ADAPTER Note · In order to listen to the audio from the CD player that is connected to this receiver using a coaxial cable, first, switch to the CD-R input, then press SIGNAL SEL to choose the audio signal C1 (COAXIAL1) (see Selecting the audio input signal on page 21). 3 Place the AM antenna on a flat surface and in a direction giving the best reception. 4 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.

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· For instructions on playing the Bluetooth wireless technology device, see Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device on page 23. Important Connecting antennas Connect the AM loop antenna and the FM wire antenna as shown below. To improve reception and sound quality, connect external antennas (see Using external antennas below). fig. a fig. b COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CEN OUT PRE OUT 0.1 A MAX) R DVR/ BDR OUT IN DVD IN IN CD L IN R · Do not move the receiver with the Bluetooth ADAPTER connected. Doing so could cause damage or faulty contact. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT 2 4 ANTENNA FM UNBAL 75 AM LOOP IN 1 (DVD) ASSIGNABLE (DVR/ COAXIAL IN 1 ASSIGNABLE IN 1 IN 2 OP ASS IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD BDR) (CD) (TV/SAT) (CD-R/TAPE VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V 3 ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A MONITOR TV/SAT OUT IN L OUT PRE OUT 0.1 A MAX) 1 R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) L IN IN R SUBWOOFER PB PR TV/SAT BD DVD R R REC L ANALOG AUDIO IN L ANALOG AUDIO OUT COAXIAL OPTICAL DIGITAL AUDIO OUT 1 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires. PRE OUT SPEAKE Select one CD-R, MD, DAT, Tape recorder, etc. MONITOR OUT Y COMPONENT VIDEO 2 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). Bluetooth® ADAPTER Note · In order to listen to the audio from the CD player that is connected to this receiver using a coaxial cable, first, switch to the CD-R input, then press SIGNAL SEL to choose the audio signal C1 (COAXIAL1) (see Selecting the audio input signal on page 21). 3 Place the AM antenna on a flat surface and in a direction giving the best reception. 4 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.

· For instructions on playing the Bluetooth wireless technology device, see Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device on page 23. Important Connecting antennas Connect the AM loop antenna and the FM wire antenna as shown below. To improve reception and sound quality, connect external antennas (see Using external antennas below). fig. a fig. b COAXIAL IN 1 ASSIGNABLE (CD) IN 1 IN 2 OPTICAL ASSIGNABLE (TV/SAT) (CD-R/TAPE) VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L CEN OUT PRE OUT 0.1 A MAX) R DVR/ BDR OUT IN DVD IN IN CD L IN R · Do not move the receiver with the Bluetooth ADAPTER connected. Doing so could cause damage or faulty contact. HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT 2 4 ANTENNA FM UNBAL 75 AM LOOP IN 1 (DVD) ASSIGNABLE (DVR/ COAXIAL IN 1 ASSIGNABLE IN 1 IN 2 OP ASS IN 2 L IN IN R SUBWOOFER PB PR TV/SAT BD DVD BDR) (CD) (TV/SAT) (CD-R/TAPE VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V 3 ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP R FRONT L MONITOR OUT Y COMPONENT VIDEO PRE OUT SPEAKERS A MONITOR TV/SAT OUT IN L OUT PRE OUT 0.1 A MAX) 1 R DVR/ BDR OUT IN DVD IN IN CD L IN R IN 1 (DVD) ASSIGNABLE IN 2 (DVR/ BDR) L IN IN R SUBWOOFER PB PR TV/SAT BD DVD R R REC L ANALOG AUDIO IN L ANALOG AUDIO OUT COAXIAL OPTICAL DIGITAL AUDIO OUT 1 Push open the tabs, then insert one wire fully into each terminal, then release the tabs to secure the AM antenna wires. PRE OUT SPEAKE Select one CD-R, MD, DAT, Tape recorder, etc. MONITOR OUT Y COMPONENT VIDEO 2 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). Bluetooth® ADAPTER Note · In order to listen to the audio from the CD player that is connected to this receiver using a coaxial cable, first, switch to the CD-R input, then press SIGNAL SEL to choose the audio signal C1 (COAXIAL1) (see Selecting the audio input signal on page 21). 3 Place the AM antenna on a flat surface and in a direction giving the best reception. 4 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.



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<http://yourpdfguides.com/dref/3963645>

Don't drape loosely or leave coiled up.

17 En 02 Connecting your equipment Using external antennas To improve FM reception Use a PAL connector (not supplied) to connect an external FM antenna. Connecting to the front panel audio mini jack Front audio connections are accessed via the front panel using the INPUT SELECTOR or PORTABLE button on the remote control. Use a stereo mini-jack cable to connect a digital audio player, etc. PRESET ENTER SOUND RETRIEVER Plugging in the receiver Only plug in after you have connected all your components to this receiver, including the speakers. CAUTION · Handle the power cord by the plug part. 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, or other object on the power cord or pinch the cord in any other way. Never make a knot in the cord or tie it with other cables. The power cords should be routed so that they are not likely to be stepped on. A damaged power cord can cause a fire or give you an electric shock.

Check the power cord once in a while. If you find it damaged, ask your nearest Pioneer authorized independent service company for a replacement. · Do not use any power cord other than the one supplied with this unit. · Do not use the supplied power cord for any purpose other than that described below. · The receiver should be disconnected by removing the mains plug from the wall socket when not in regular use, e.g., when on vacation. Note · After this receiver is connected to an AC outlet, a 2 second to 10 second HDMI initialization process begins. You cannot carry out any operations during this process. The HDMI indicator in the front panel display blinks during this process, and you can turn on this receiver once it has stopped blinking.

When you set the Control with HDMI to OFF, you can skip this process. For details about the Control with HDMI feature, see Control with HDMI function on page 35. MASTER VOLUME One-touch PAL connector ANTENNA FM UNBAL 75 PORTABLE / MCACC SETUP MIC 75 coaxial cable This receiver To improve AM reception Connect a 5 m to 6 m 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. AUDIO OUT Digital audio player, etc.

Outdoor antenna ANTENNA AM LOOP Indoor antenna (vinyl-coated wire) 5 m to 6 m 1 Plug the supplied power cord into the AC IN socket on the back of the receiver. 2 Plug the other end into a power outlet. 18 En Basic Setup Chapter 3: 4 Press RECEIVER on the remote control, then press the SETUP button.

The System Setup menu appears on your TV. Use /// and ENTER on the remote control to navigate through the screens and select menu items.

Press RETURN to exit the current menu. · Press SETUP at any time to exit the System Setup menu. If you cancel the Auto MCACC setup at any time, the receiver automatically exits and no settings will be made. · The screensaver automatically starts after three minutes of inactivity. 5 Select 'Auto MCACC' from the System Setup menu, then press ENTER. System Setup 1.Auto MCACC 2.Manual SP Setup 3.Input Assign 4.Pre Out Setting 5.

HDMI Setup 6.Auto Power Down 7.FL Demo Mode Return 03 PARAMETER TOP MENU TOOLS VOLUME MENU PRESET Basic Setup Canceling the demo display The display on the front panel shows various information (demo displays) when the receiver is not operating. You can turn off the demo display.

For details, see The FL Demo Mode menu on page 34. · The demo mode is canceled automatically when the Auto MCACC setup is performed (see below).

TUNE RECEIVER SLEEP TV SOURCE CONTROL PRESET ENTER RECEIVER INPUT SELECT DTV/TV INPUT BD DVD TV HOME MENU SETUP PTY SEARCH TUNE BAND RETURN MUTE DVR/BDR CD CD R CH 1 Switch on the receiver and your TV. 2 Switch the TV input to the input that connects this receiver to the TV through the corresponding composite or component cable. 3 Connect the microphone to the MCACC SETUP MIC jack Automatically

setting up for surround sound (MCACC) The Auto Multi-Channel Acoustic Calibration (MCACC) setup measures the acoustic characteristics of your listening area, taking into account ambient noise, speaker size and distance, and tests for both channel delay and channel level. After you have set up the microphone provided with your system, the receiver uses the information from a series of test tones to optimize the speaker settings and equalization for your particular room.

CAUTION · The test tones used in the Auto MCACC setup are output at high volume. Important · The OSD will not appear if you have connected using the HDMI output to your TV. Use composite connections for system setup. · The Auto MCACC setup will overwrite any existing speaker settings you've made. · If you connected either the surround back speaker or the front height speaker, make sure that the Pre Out setting is correctly set before performing the Auto MCACC setup (see page 34).

(Here is an explanation using the OSD screen for a surround back speaker connection.) Microphone on the front panel. Make sure there are no obstacles between the speakers and the microphone. PRESET ENTER SOUND RETRIEVER MASTER VOLUME PORTABLE / MCACC SETUP MIC · MIC IN blinks when the microphone is not connected to MCACC SETUP MIC jack. Try to be as quiet as possible after pressing ENTER.

The system outputs a series of test tones to establish the ambient noise level. 6 Follow the instructions on-screen. · Make sure the microphone is connected. · Make sure the subwoofer is on and the volume is turned up. · When using surround back or front height speakers, turn on the power to the amplifier to which the surround back or front height speakers are connected, and adjust the sound level to the desired level. · See below for notes regarding background noise and other possible interference. Tripod If you have a tripod, use it to place the microphone so that it's about ear level at your normal listening position. Otherwise, place the microphone at ear level using a table or a chair. 19 En 03 Basic Setup 7 Wait for the test tones to finish. A progress report is displayed on-screen while the receiver outputs test tones to determine the speakers present in your setup.

Try to be as quiet as possible while it's doing this. 1.Auto MCACC Now Analyzing Environment Check Ambient Noise Speaker YES/NO 9 Make sure 'OK' is selected, then press ENTER. If the screen in step 7 is left untouched for 10 seconds and ENTER is not pressed in step 8, the Auto MCACC setup will start automatically as shown. 1.Auto MCACC Now Analyzing Surround Analyzing Speaker System Speaker Distance Channel Level Acoustic Cal EQ Other problems when using the Auto MCACC setup If the room environment is not optimal for the Auto MCACC setup (too much background noise, echo off the walls, obstacles blocking the speakers from the microphone) the final settings may be incorrect.



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Check for household appliances (air conditioner, fridge, fan, etc.), that may be affecting the environment and switch them off if necessary. If there are any instructions showing in the front panel display, please follow them. · Some older TVs may interfere with the operation of the microphone. If this seems to be happening, switch off the TV when doing the Auto MCACC setup. Return Return · For correct speaker settings, do not adjust the volume during the test tones. 8 Confirm the speaker configuration. The configuration shown on-screen should reflect the actual speakers you have. 1. Auto MCACC Check! Front Center Surr Surr. Back Subwoofer [ YES ] [ YES ] [ YES ] [YESx2] [ YES ] OK Return A progress report is displayed on-screen while the receiver outputs more test tones to determine the optimum receiver settings for channel level, speaker distance, and Acoustic Calibration EQ. Again, try to be as quiet as possible while this is happening. It may take 1 to 3 minutes. 10 The Auto MCACC setup has finished! You return to the System Setup menu.

The settings made in the Auto MCACC setup should give you excellent surround sound from your system, but it is also possible to adjust these settings manually using the System Setup menu (starting on page 31). Note · Depending on the characteristics of your room, sometimes identical speakers with cone sizes of around 12 cm will end up with different size settings. You can correct the setting manually using the Speaker Setting on page 31. · The subwoofer distance setting may be farther than the actual distance from the listening position. This setting should be accurate (taking delay and room characteristics into account) and generally does not need to be changed. 10:Next · With error messages (such as Too much ambient noise) select RETRY after checking for ambient noise (see Other problems when using the Auto MCACC setup below). If the speaker configuration displayed isn't correct, use / to select the speaker and / to change the setting. When you're finished, go to the next step. If you see an error message (ERR) in the right side column, there may be a problem with the speaker connection. If selecting RETRY doesn't fix the problem, turn off the power and check the speaker connections.

20 En Basic playback Chapter 4: If you selected the proper input source and there is still no sound, select the audio input signal for playback (see Selecting the audio input signal below). 04 Basic playback Playing a source Here are the basic instructions for playing a source (such as a DVD disc) with your home theater system. BD MENU AUTO/ALC/DIRECT STEREO STANDARD ADV SURR RECEIVER SLEEP TV SOURCE CONTROL AUDIO PARAMETER RECEIVER INPUT SELECT DTV/TV INPUT BD DVD TV TOP MENU TUNER EDIT MASTER VOLUME TOOLS MENU Selecting the audio input signal The audio input signal can be selected for each input source. Once it is set, the audio input that was selected will be applied whenever you select the input source using the input function buttons. DVR/BDR CD CD-R CH 4 Press AUTO/DIRECT to select 'AUTO SURROUND' and start playback of the source. If you're playing a Dolby Digital or DTS surround sound DVD disc, with a digital audio connection, you should hear surround sound. If you're playing a stereo source or if the connection is an analog audio connection, you will only hear sound from the front left/right speakers in the default listening mode. It is possible to check on the front panel display whether or not surround sound playback is being performed properly. When using a surround back speaker, 2D+PLIIx is displayed when playing Dolby Digital 5.1-channel signals, and DTS+NEO:6 is displayed when playing DTS 5.

1-channel signals. When not using a surround back speaker, 2D is displayed when playing Dolby Digital signals. If the display does not correspond to the input signal and listening mode, check the connections and settings. Note · You may need to check the digital audio output settings on your DVD player or digital satellite receiver. It should be set to output Dolby Digital, DTS and 88.

2 kHz/96 kHz PCM (2 channel) audio, and if there is an MPEG audio option, set this to convert the MPEG audio to PCM. · Depending on your DVD player or source discs, you may only get digital 2 channel stereo and analog sound. In this case, the receiver must be set to a multichannel listening mode if you want multichannel surround sound. ADAPTER TUNER PORTABLE VIDEO S.RETRIEVER SIGNAL SEL VOL TUNE ENTER DVR/BDR CD CD-R CH HOME MENU TUNE ADAPTER TUNER PORTABLE SETUP PTY SEARCH BAND RETURN MUTE VIDEO S.

RETRIEVER SIGNAL SEL VOL BASS TRE 1 Switch on your system components and receiver. Start by switching on the playback component (for example a DVD player), your TV and subwoofer (if you have one), then the receiver (press RECEIVER). · Make sure the setup microphone is disconnected. 2 Switch the TV input to the input that connects this receiver. For example, if you connected this receiver to the VIDEO jacks on your TV, make sure that the VIDEO input is now selected. 3 Press input function buttons to select the input function you want to play. · The input of the receiver will switch over, and you will be able to operate other components using the remote control. To operate the receiver, first press RECEIVER on the remote control, then press the appropriate button to operate. · The input source can also be selected by using INPUT SELECT buttons on the remote control, or by using the front panel INPUT SELECTOR dial. In this case, the remote control won't switch operational modes.

Press SIGNAL SEL to select the audio input signal corresponding to the source component. Each press cycles through the following: · H Selects an HDMI signal. H can be selected for BD, DVD, DVR/BDR or VIDEO input. For other inputs, H cannot be selected. · When the HDMI option in Setting the Audio options on page 29 is set to THRU, the sound will be heard through your TV, not from this receiver. · A Selects the analog inputs. · C1/O1/O2 Selects the digital input. The coaxial 1 input is selected for C1, and the optical 1 or 2 audio input is selected for O1 or O2. When H (HDMI) or C1/O1/O2 (digital) is selected and the selected audio input is not provided, A (analog) is automatically selected. Note · VIDEO input is fixed to H (HDMI). It cannot be changed. · For the TV/SAT input, only A (analog) or C1/O1/O2 (digital) can be selected. However, if the ARC at HDMI Setup is set to ON, the input is fixed to H (HDMI) and cannot be changed. · When set to H (HDMI) or C1/O1/O2 (digital), 2 lights when a Dolby Digital signal is input, and DTS lights when a DTS signal is input. · When the H (HDMI) is selected, the A and DIGITAL indicators are off (see page 7).

PRESET PRESET 5 Use MASTER VOLUME to adjust the volume level.



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Turn down the volume of your TV so that all sound is coming from the speakers connected to this receiver. 21 En 04 Basic playback · When digital input (optical or coaxial) is selected, this receiver can only play back Dolby Digital, PCM (32 kHz to 96 kHz) and DTS (including DTS 96 kHz/24 bit) digital signal formats. The compatible signals via the HDMI terminals are: Dolby Digital, DTS, SACD (DSD 2 ch only), PCM (32 kHz to 192 kHz sampling frequencies), Dolby TrueHD, Dolby Digital Plus, DTS-EXPRESS, DTS-HD Master Audio and DVD Audio (including 192 kHz). With other digital signal formats, set to A (analog).

Tip · In order to enjoy the picture and/or sound from devices connected to each terminal, select the input by doing the following. Audio Audio (CD input) Other than CD input SIGNAL SEL · You may get digital noise when a LD or CD player compatible with DTS is playing an analog signal. To prevent noise, make the proper digital connections (page 13) and set the signal input to C1/O1/O2 (digital). · Some DVD players don't output DTS signals. For more details, refer to the instruction manual supplied with your DVD player. Bluetooth® ADAPTER for Wireless Enjoyment of Music Bluetooth wireless technology enabled device: cell phone Bluetooth wireless technology enabled device: Digital music player Device not equipped with Bluetooth wireless technology: Digital music player + Bluetooth audio transmitter (sold commercially) 1. Video/Audio (HDMI) DVR/BDR DVD BD VIDEO CD 1. 2. TV (TV/SAT input) Other than TV/SAT input SIGNAL SEL 2. Music data C1 HDMI DVR/BDR IN DVD IN BD IN VIDEO IN OUT O1 COAXIAL IN 1 ASSIGNABLE (CD) (TV/SAT) (CD-R/TAPE) Bluetooth® ADAPTER IN 1 IN 2 OPTICAL ASSIGNABLE Audio Video TV BD VIDEO AUDIO SURR BACK/ DVR/BDR CD-R/TAPE FRONT HEIGHT BD IN (Single) (OUTPUT 5V 1.

CD-R (CD-R input) This receiver Remote control operation MONITOR TV/SAT OUT IN L ADAPTER PORT ANTENNA FM UNBAL 75 AM LOOP ADAPTER 2. Other than CD-R input SIGNAL SEL OUT PRE OUT 0.1 A MAX) O2 TUNER Wireless music play When the Bluetooth ADAPTER (Pioneer Model No. AS-BT100 or AS-BT200) is connected to this unit, a product equipped with Bluetooth wireless technology (portable cell phone, digital music player, etc.) can be used to listen to music wirelessly. Also, by using a commercially available transmitter supporting Bluetooth wireless technology, you can listen to music on a device not equipped with Bluetooth wireless technology. The AS-BT100 and AS-BT200 model supports SCMS-T contents protection, so music can also be enjoyed on devices equipped with SCMS-T type Bluetooth wireless technology. · It must be necessary that the Bluetooth wireless technology enabled device supports A2DP profiles. DVR/BDR DVD DVR/ BDR OUT IN DVD IN IN R CD L IN R Video DVD IN 1 (DVD) ASSIGNABLE (DVR/ Audio DVR/BDR CD-R CD SIGNAL SEL TV BD DVD IN 2 L IN IN R DVR/BDR BDR) A Reassignable (page 33) MONITOR OUT Y PB PR TV/SAT BD DVD COMPONENT VIDEO 22 En Basic playback 1 Press TOP MENU. 2 Press ENTER to enter PAIRING.

3 Select the PIN code to be used from 0000/1234/8888 3 Start playback of music contents stored in Bluetooth wireless technology device. This receiver's remote control buttons can be used for basic playback of files stored on the Bluetooth wireless technology device. · Bluetooth wireless technology device should be compatible with AVRCP profile. · Depending on Bluetooth wireless technology device you use, operation may differ from what is shown in the remote control buttons. MUTE 04 Important · Pioneer does not guarantee proper connection and operation of this unit with all Bluetooth wireless technology enabled devices.

Remote control operation The remote control supplied with this unit allows you to play and stop media, and perform other operations. · It must be necessary that the Bluetooth wireless technology enabled device supports AVRCP profiles. · Remote control operations cannot be guaranteed for all Bluetooth wireless technology enabled devices. using /, then press ENTER. PAIRING blinks.

· You can use any of 0000/1234/8888 PIN codes. Bluetooth wireless technology device using any other PIN code cannot be used with this system. 4 Switch on the Bluetooth wireless technology device that you want to make pairing, place it near the system and set it into the pairing mode. 5 Check to see that the Bluetooth ADAPTER is detected by the Bluetooth wireless technology device. When Bluetooth wireless technology device is connected: Bluetooth wireless technology device name appears in the receiver display. · The system can display alphanumeric characters only. Other characters may not be displayed correctly. When Bluetooth wireless technology device is not connected: NODEVICE appears in the receiver display. In this case, perform the connection operation from the side of the Bluetooth wireless technology device. 6 From the Bluetooth wireless technology device list, select Bluetooth ADAPTER and enter the PIN code selected in the step 4.

· PIN code may in some case be referred to as PASSKEY. BASS TRE Pairing the Bluetooth ADAPTER and Bluetooth wireless technology device "Pairing" must be done before you start playback of Bluetooth wireless technology content using Bluetooth ADAPTER. Make sure to perform pairing first time you operate the system or any time pairing data is cleared. "Pairing" is the step necessary to register Bluetooth wireless technology device to enable Bluetooth communications. For more details, see also the operating instructions of your Bluetooth wireless technology device. · Pairing is required when you first use Bluetooth wireless technology device and Bluetooth ADAPTER. · To enable Bluetooth communication, pairing should be done with both of your system and Bluetooth wireless technology device. · If the Bluetooth wireless technology device's security code is "0000", there is no need to make the security code setting on the receiver. Press ADAPTER to switch the ADAPTER input, then conduct the pairing operation on the Bluetooth wireless technology device. If pairing is successful, there is no need to performing the pairing operation below.

· When using the AS-BT200 only: If the Bluetooth wireless technology device supports SSP (Secure Simple Pairing), there is no need to make the security code setting. Press ADAPTER to switch the ADAPTER input, then conduct the pairing operation on the Bluetooth wireless technology device. If pairing is successful, there is no need to performing the pairing operation below. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by PIONEER CORPORATION is under license.

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