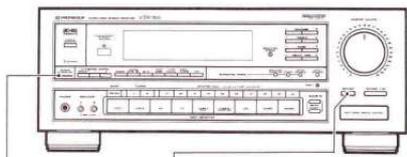You can read the recommendations in the user guide, the technical guide or the installation guide for PIONEER VSX-501. You'll find the answers to all your questions on the PIONEER VSX-501 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PIONEER VSX-501
User guide PIONEER VSX-501
Operating instructions PIONEER VSX-501
Instructions for use PIONEER VSX-501
Instruction manual PIONEER VSX-501

Manual abstract:

. Press the POWER switch to cancel the demonstration. . @@@@@@ln some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same. lFor Canadian modell CAUTION: ro pREVENT ELEcrRtc sHocK Do Nor usE rHts (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. LES cHocs ELEcrRtouEs NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT. ATTENTION: pouR pREVENtR WARNING: To pREVENT FIRE oR sHocK IMPORTANT NOTICE lFor U.S. and Canadian modelsl HAZARD, Do Nor EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

RETURN function This function returns the unit to a set of initial settings and ready to broadcast tuner. This is helpful during troubleshooting or when no sound is output. For details, refer to page 1 9. The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secu[e area.

This is for your security. Note to CATV system installer This reminder is provided to call the CATV system installer's attention to Article 82O-4O of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. () rrloNeerl' The Art of Entertainment r IMPORTANT CAUTI()N The exclamation point within an equilateral triangle ls intended to alert the user 1o the presence oJ important operating and maintenance (servicing) instrdctions in the literature accompanVinq the appliance The lightning flash with arrowhead, within an equ lateral triangle, is intended to a ert the user to the presence of uninsulated "dangerous voltage" within the prod!ct's enclosure that may be ol suffic ent magnitude to constitute a risk of electric shock to persons CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER {OR BACK}. NO USER. SERVICEABLE PARTS INSIDE.

REFER SERVICING TO OUALIFIED SERVICE PERSONNEL SAFETY INSTRUCTIONS READ INSTRUCTIONS All the safetv and operating instructions should be read before the appliance is operated. RETAIN INSTRUCTIONS The safety and operating LINES An outdoor antenna should be located away from power lines. NONUSE PERIODS - The power cord ol the appliance POWER OUTDOOR ANTENNA GROUNDING lf an outside antenna is connected to the antenna terminal, be instructions should be retained for future reference- should be unplugged from the outlet when left unused for a long period of timeOBJECT AND LIOUID ENTRY - Care should be taken so that objects do not fall and liquids are not spilled HEED WARNING All warnings on the appliance and in the operating instructions should be adhered to FOLLOW INSTRUCTIONS All operatins and use instructions shou d be followed WATER AND MOISTURE The appliance should not be used near water for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc LOCATION The appliance should be installed in a stable location. WALL OR CEILING MOUNTING - The appliance should not be mounted to a wall or ceiling, VENTILATION The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may blockthe ventilation openings; or, placed in a buill-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings HEAT - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat into the enclosure through openings DAMAGE REOUIRING SERVICE - The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when: power-supply cord or the plug has been da maged. O Objects have fallen, or liquid has been spilled into the applianceO The appliance has been exposed to rain a The appliance does not appear to operate normally or exhibits a marked change in performance O The appliance has been dropped or the enclosure da maged SERVICING - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel sure the antenna svstem is grounded so as to provide some protection againsl voltage surges and built up static charges ln the U,S.A. seclion 810 of the National Electrical Code, ANSI/NFPA 70, provides inlormation with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, O The connection to grounding electrodes, and requirements Jor the grounding electrode See Fig CART An appliance and cart combination should be movedwith care Ouickstops, excessiveforce, and uneven surfaces may cause the appliance and cart combination to overturn NEC NATIONAL ELECTRIC CODE POWER SOURCES - The appliance should be connected to a power supply only of the type described in the operating instruclions or as marked on the appliance POWER-CORDPROTECTION Power-supplycords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them Pay particular attention to cords al plugs, convenience receptacles, and the point where they exit from the apPliance POLARIZATION - lf your purchased product is provided with a polarized power plug, please read the following instructions, This product is equipped with a polarized alternating current line plug (a plus having one blade wider than the other) This plug will fit into the power outlet only one way. This is a safety feature.

lf you are unable to insert the plug fullv into the outlet, try reversing the plug- lf the plug should still fail to fit, contact your electrician to replace your obsolete outlel Do not deleat the safety purpose of the polarized plug. CLEANING - The appliance should be cleaned only with a polishing cloth or a soft drv cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the ca bin et ANTENNA LEAD IN WIRE ANTENNA DISCHARGE UNIT (NEC SECTTON 810 - 20) GROUNDING CONDUCTORS (NEC SECTTON 810 21) GROUND CLAΛ,4PS SERVICE GROUNDING FIG. A ELECTRODE SYSTEM (NEC ART 250, PART H) 2 <ARB1378> CONTENTS FEATURES ACCESSORY ITEMS BLOCK DTAGRAM SURROUND EFFECT DOLBY 3CH LOGTC SPEAKER BEFORE OPERATING, ADJUST THE POSITION OF THESE SWITCHES DOLBY PRO LOGIC SURROUND, DOLBY 3CH LOGIC CENTER INSTALLATION.

<ARB'1378> BEFORE OPERATING. ADJUST THE POSITION OF THESE SWITCHES TWO VOLTAGE SELECTOR SWITCHES Only multi-voltage models are provided with these switches. U.S., Canadian, European, U.K. and Australian models are not provided with CHANNEL STEP/FM DE EMPHASIS SWITCH (Not available on U.S. and Canadian models) The unit has been factory preset to the channel allocation and de_ these switches. Mains voltages in Saudi Arabia are 127 V and22Oy only. Never use this model with 110 V setting in Saudi Arabia. The line voltage selector switches are on the rear panel.

Before your model is shipped from the factory, these switches are set to the power requirements of the destination. Check that they are set properly before plugging the power cord into the household wall socket. lf the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switches as follows. 1. Use a medium-size screwdriver.

2. First, insert a screwdriver in the groove of the voltage selector at the right, and adjust so that the tip of the groove points to the voltage value of your area.

3. Next, insert a screwdriver in the groove of the voltage selector at the left and adjust until the voltage is the same as at the right. emphasis value for the area in which it is to be sold. lf these values are set incorrectly, the frequency display may stop at the wrong frequency, or sound may be distorted, resulting in an inability to reproduce reception signals at their proper sound quality, For this reason, be sure to confirm that the values are set correctly before first using the unit. t100 kHz/10 kHz/75 psJ position: Setto this position for areas with an FM reception step of 1OO kHz, AM 10 kHz, and de-emphasis 7b ps, 150 kHz/9 kHz/50 psl position: Set to this position, for areas with an FM reception step of 50 kHz, AM 9 kHz, and de-emphasis 50 ps. NOTE: When unsure about the channel allocation and de-emphasis values for your area, consult your dealer for correct information. TWO VOLTAGE SELECTORS /5OpS < lF{1ts gkHz lOOkHz< l-lFlOkHz 10V 'I 120- l2-7V MANUAL SEE INSTRUCTDN CAUTION: TWO VOLTAGE SELECTORS AC 110V 4 o F 0 O @) u g AC 220V AC 240V U (, 10v 2OV 127V F L[E] X L- o X -l__i _l=l \ 'tEll 220V z40v NOTE: Both switches must be in the same switch setting; otherwise, unit can be damaged. 4 <AR81378> FEATURES The VSX-501A/SX-51 1S combines the functions of receiver, wireless remote control, audio-visual selector and surround processor.

lt will play a central role in your enjoyment of audio-video media. . ACOUSTIC MEMORY FUNCTION (A-E) of tone control settings can be preset. The settings Five types for loudness and flat tone response functions can also be selected quickly. . BUILT-IN DIGITAL DELAY, DOLBY SURROUND CIRCUIT . . . . CUSTOM MEMORY FUNCTION You can enjoy STUDIO and SIMULATED surround playback.

And thanks to the built-in DOLBY PRO LOGIC SURROUND decoder, you can also enjoy the superb imaging and sensation of movement provided by DOLBY SURROUND when using software bearing the D0 lootsy sungouNo-l mark. (When not using rear speakers, DOLBY 3CH LOGIC lets you enjoy the ambience of a wide, spacious sound field.) With SIMULATED and DOLBY PRO LOGIC SURROUND, changing the delay time lets you enjoy a wider sound lield eJfect.

Stations can be preset according to the genre of the material broadcast, and Memory Scan of a particular genre can be carried out. 9O/60/30-MINUTE SLEEP TIMER FUNCTION MULTI-ROOM REMOTE JACK The optional l4R-100 Multi+oom remote control unit can be connected to the Multi-room remote lN jack.

. vsx-5011 AV REMOTE CONTROL UNIT With the attached remote control unit you can operate any Pioneer audio or video component bearing the ffi mark.

LARGE, MOTOR-DRIVEN VOLUME KNOB The large volume knob contributes to operational convenience and positive response. You can even operate it

via remote control. When you change the volume setting using the remote control unit, the knob turns by itself, making it easy to keep track of the current setting.

vsx-51 1sl . . VIDEO SIGNAL SELECTOR (Simulcast function) to produce your own origIC SUFROUND o PHANTOM - The signal which would have been sent to the center speaker is divided equally between the left and right front speakers' - With DOLBY PRO LOGIC SURROUND, monaural source sound will be heard only from the center channel at settings other than the PHANTOM position. speaker. . WIDE lf you use a large size center speaker, choose this setting' The full frequency range of the Dolby Surround center channel, from low to high, is routed to the center speaker. - SPEAKER INSTALLATION To get the most out of the surround system, place the speakers as shown below. An example of sPeaker Positioning NOTE: o To avoid interterence with the picture on a nearby TV set, use magneticallY shielded speaker systems' This is particularly important for the center speaker since it is usualty located closest to the TV' . Position the left and right channel speakers at equal distances from the TV set and approximately six feet from each other' . Position the center speaker above, below, or behind the TV set' Sound mav not appear to coincide with the picture if you position it next to .

Front left speaker the TV set. Rear speakers are best positioned slightly above ear level' Listening area Rear laft REAR speaker lf the rear speakers are positioned at an extreme distance, the surround level becomes unable to adjust and the surround effect will not be fully achieved. This function transforms monaural signals into simulated stereo sound' Use it when you wish to experience a sense of stereo presence when listening to AM broadcasts, and other monaural signal sources' NOTE: The simulated stereo function can also be used with stereo sound sources, but it will result in an effect somewhat different from the nomal stereo sound. 7 <AR81378> Setting Up the AM Antenna . lnsert the claw on the bottom of the antenna into the groove in Precaution regarding installation position of cassette deck. lf the cassette deck is installed in the @ positions shown in the drawing below, it may be adversely affected during playback.

lf possible, it's better to install it in the @ position. r . the leg. Place the antenna on a level surface and rotate it to locate the orientation that yields the best reception.

Use the attachment hole in the leg to screw to wall or other location, then insert the claw on the bottom of the antenna into the groove in the leg (fixing the antenna in the direction that gives the best reception). er POWER-CORD CAUTION Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord.

Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized servicd center or your dealer for a replacement.

8 <AR81378> CONNECTIONS NOTE FOR FM T.TYPE ANTENNA Stretch the antenna out to its full length, and affix NOTE FOR AM LOOP ANTENNA The antenna should be placed at a distance BASIC AUDIO SYSTEM CONNECTIONS it to a wall, etc. from the receiver, and should not be allowed to touch metallic objects. Avoid placing it near CD players, personal computers, television sets, Accessory FM-T type antenna and other devices generating radio frequencies. Turntable CD player vsx-501A/sx-s1 1s d Cassette deck Turntable Cassette deck 1/DAT lPower cord connection examplel 9 <ARB1378> CONNECTIONS BASIC VIDEO SYSTEM CONNECTIONS TV monitor V DEO OUT N ol-] VSX-501/VSX-s11S TV tuner 10 <AR81378> CONNECTIONS SPEAKER CONNECTIONS Center/Rear speaker cord connection O Push the lever down. @ lnsert the cord. @ eutt tne lever back. NOTE: lJse speakers of impedance 8 Q - Front speaker cord connection O Push the lever up (or down). @ lnsert the cord. @ Release the lever.

-, @ vsx-5014/sx-51 1S affir@ I lt I I ri+ill, ,,., i F-r - NOTE: When connecting a super woofer svstem such as the Pioneer S-Wl OOO, connect it to the same speaker terminals (A or B) to which the front speakers are connected, Connecting the front speakers and super woofet system to terminals A and B respectively will result in reduced volume from the front speakers. Super woofer \TEAR I 11 <AR81378> CONNECTIONS APPLICATIONS Cassette deck 2 NOTE: DOLBY PRO LOGIC SURROUND and DOLBY 3CH LOGIC will not operate correctly if the signal passes through a graphic equalizer. When using DOLBY PRO LOGIC SURROUND or DOLBY 3CH LOGIC, turn off the TAPE 2 MONITOR button or set the graphic equalizer for flat response or to its "through" (or off) setting, if you have one tn use. EEEEEEI When using a graphic equalizer - Graphic Bqualizer From L and REC jacks R To L and R PLAY jacks VSX-501/VSX-s11S N v oEo OUT AUDIO L R (REC) IN (PLAY) OUT I EEEEE VCB 2 12 <ARB1378> CONNECTIONS MULTI-ROOM CONNECTIONS lSet-up examplel Speakers B NOTE: not to make the wrong connections CONTROL IN/OUT (black) and MULTIROOM REMOTE lN lgreen). Be careful for Remote control unit ,/ Speakers B Speakers A . A/V system (including VSX-501 or VSX-S1'1S) Speakers A lf you connect to the CONTROL jacks of other components, such as a CD player or cassette deck, bearing the ffi mark, you can lMain Room Λ\ also enjoy remote control of these components from Sub Room. (For details concerning connections, refer to page 1 5.) -\ vsx-501^/sx-51 1s * lllustration shows U.S. and Canadian models. Main Room Sub Room Speaker (L) TV monitor Speaker (R) Speaker (L) Speaker (R) 13 <AR81378> e FM/AM ANTENNA terminats for reception of normal FM and AM Use these antenna terminals broadcasts. @voeo our Connect (TV MoNtroRljack @rnee 2 MoNtToR jacks Connect the second cassette deck to these jacks. Connecting for Recording The tape recording jack (REC) on the cassette deck should be connected to the REC side of the TAPE 2 MONITOR jack on the receiver with a pin plug connecting cord. watching program materials from a VCR 1 , 2 or LD player connected to this unit. to monitor TV or to TV sets with video input terminals for @vcn 2 jacks tvlDEo ouTl to the VCR 1 or LD jacks, connect to the VIDEO INpUT jacks of the VCR used for recording. TAUDIO OUT (1, R}l When copying program materials from the video component connected to the VCR 1 or LD jacks, or when recording music from an audio component source, connect to the AUDIO INpUT jacks of the VCR used When copying program material from the video component connected Connecting for Playback Connect the TAPE PLAy jack on the cassette deck to the pLAy side of the TAPE 2 MONITOR jack on the receiver with a pin plug connecting cord. @ fnpe I/DAT jacks for recording. Use these to connect the first cassette deck or DAT (digital audio tape) deck. TVIDEO IN] When monitoring the video image from a VCR used for copying, connect its VIDEO OUTPUT jacks here.

TAUDIO IN (1, R}l Connecting for Recording The tape recording jack (REC) on the cassette deck or DAT should be connected to the REC side of the TApE 1 /DAT jack on the receiver with a pin plug connecting cord. Connecting for Playback Connect the PLAY jack on the cassette deck or DAT to the pLAy side of the TAPE 1/DAT jack on the receiver with a pin plug connecting cord. When monitoring the audio channel from a VCR used for copying, connect its AUDIO OUTPUT jacks here. 14 <AR81378> REAR PANEL FACILITIES @vcn l jacks @ LD lacks TVIDEO INI TVIDEO OUT] When copying program material from the video component connected to the VCR 2 or LD jacks, connect to the VIDEO INPUT jacks of the VCR used for recording. TAUDIO OUT (1, R}l When copying program material from the video component connected to the VCR 2 or LD jacks, or when recording music from an audio component source, connect to the AUDIO INPUT jacks of the VCR used for recording. IVIDEO IN1 When monitoring the video image from its VIDEO OUTPUT jacks here. TAUDIO IN (1, R}] a VCR used When watching the video image from a LD player, connect its VIDEO OUTPUT jacks here. IAUDTO rN (1, R)1 When playing back the audio channel from a LD player, connect its AUDIO OUTPUT jacks here. @ coNTRoL lN/oUT jacks lN: for playing, connect Connect this jack to other Pioneer components (main unit or remote control unit) when using those components to control this unit. OUT: Connect this jack to other Pioneer components when using the remote control of this unit to control the other components.

NOTE: The receiver's remote sensor does not function when a plug is insened in lN jack. To operate, point the remote control unit at the remote sensot on the component to which the receiver's IN jack is connected. When using the MR-100 When monitoring the audio channel from a VCR used for playing, connect its AUDIO OUTPUT jacks here. @ cerufen SPEAKER terminats Connect the center speaker to these terminals. NOTE: Do not allow any of the cord's conductors to ptotrude from the terminals ot touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other. Use center speakers of impedance 8 Q- 1 6 Q. @ REAR SPEAKERS terminats Connect the rear speakers to these terminals. NOTE: Do not allow any of the cord's conductors to ptotrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductots come into contact with each other.

Use rear speakers of impedance I 0- I 6 A. To the CONTROL lN jack of the Pioneer component bearing the ffi mark. @ FRONT SPEAKERS terminats A: Connect to the first set of speakers. B: Connect to the second set of speakers. Speaker lead wire preparation and connection.

NOTE: Do not allow any of the cotd's conductors protrude from the terminals or touch any other conductors. Malfunctioning or breakdowns may occur when conductors come into contact with each other. Use speakers of impedance A- I 6 g. to @ MULT\-ROOM REMOTE lN jack Connect to the separately sold MR-100 Multi-Room remote control unit. @Ac ourLETs lU.

S. and Canadian modelsl W (0,8 A} MAX] Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 'l0O W (0.8 A). IUNSWITCHED 100 W (0.8 A) MAXI TSWITCHED TOTAL 1OO Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected I @ PHONO input jacks Connect to the output cables from a turntable. OGND terminal Connect the turntable ground lead to this terminal. equipment should not exceed 100 W (0.8 A).

The equipment should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation. @ CD input jacks Connect to the output jacks of a compact disc player. lMulti-voltage modell SWITCHED TOTAL 1OO W MAX Power supplied through these outlets is turned on and off by the receiver's POWER switch. Total electrical power consumption of connected equipment should not exceed 1OO W. UNSWITCHED 1OO W MAX Power flows continually to this outlet, regardless of whether the receiver is switched ON or OFF. Electrical power consumption of the connected equipment should not exceed 100 W. @ TV lacks (input) pse these jacks if you wish to connect audio outputs. a TV tuner with both video and IVIDEO IN] Connect the TV tuner's VIDEO OUTPUT to this jack.

TAUDIO IN (1, R}] Connect the TV tuner's AUDIO OUTPUT to these jacks. 15 <AR81378> REAR PANEL FACILITIES NOTE: o This unit should be disconnected by removing the power plug from the wall socket when not in regular use, e.g. when on vacation. .

Do not connect appliances with high powet consumption such as heaters, irons, or television sefs ro these AC OUTLETS in order to avoid overheating and fire risk. This can cause the receiver to malfunction. CAUTION: DO NOT CONNECT MONITOR OR TV SET. @ Power cord * lllustration shows model VSX-501. 16 <AR81378> FRONT PANEL FACILITIES e POWER STANDBY/ON switch/STANDBY indicator @ ru rvlooe AUTo/MoNo button This is the switch for electric power.

When set to the ON position, power is supplied and the unit becomes operational. STANDBY: When set to STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation ON: Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the FM MONO indicator in the display section is lit. Auto stereo mod: Normally, leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo. readiness. The STANDBY indicator lights when the power STANDBY, and goes out during ON. is Monaural mode: When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. ln this event, setting the receiver to the monaural mode will reduce the noise.

ln this case, however, FM stereo broadcasts lTimer ON/OFF possiblel When the unit is switched ON, ON/OFF control can be performed by means of the optional timer. NOTE: When the power is initially turned ON, muting will be applied to prcvent sound from being output for about 5 seconds. will be reproduced in monaural sound. NOTE: This button has no effect on reception of AM broadcasts. @v-slcrunl (vtDEo stcNAL) sELEcroR button Use @ Tuning buttons to change the video signal in sequence leaving the sound AUTO/MANUAL tuning selector button: (Page 21, 221 Use to select the tuning mode. To select the AUTO tuning mode, press this button to light the AUTO TUNING indicator in the display section. To select the MANUAL tuning mode, switch off the AUTO TUNING indicator. unchanged. _*VCR [-vvn,-vL 1 -+ VCR 2 _ LD_ TV_ OFF. -l AUTO tuning When the or + TUNING button is pressed, the receiver automatically scans the broadcast station frequencies.

When a broadcast is detected, The current setting is shown by an indicator on the display section. - @ Remote sensor the scanning stops at that frequency. @nuro soURcE CONTRoL 1, 2 buttons: buttons (See page 28) These buttons are for memorizing and recalling your current settings. Both 1 and 2 canbe used to memorize settings. lf you connect another component, such as a CD player, to the CONTROL OUT jack on the rear panel, the signals to switch power on and start play are also transmitted.

MEMORY: Use when memorizing settings to a 'l , 2 button. NOTE: Pressing the TUNING button causes scanning to stop. (- or +) while scanning is taking place MANUAL tuning This lets you manually tune to particular broadcast frequencies. Each press of the + or button raises or lowers the frequency by one tuning step. For continuous scanning, keep the button pressed, then release it to stop scanning.

- @ UeuOnY button (See page 22) DIRECT AGCESS tuning button: (Page 211 When this button is pressed, the STATION CALL buttons function as ten-key number buttons for direct input of the desired reception frequency. Press again to cancel this mode. lf the input station falls outside of the receiver's tuning range, the display section will display a message: "UPPER" if the frequency is too high and "LOWER" if it is too low.

Pressing this button will result in the memorization of the current broadcast band, reception frequency, and FM AUTO/MONO mode. This button is also used for custom memory operation. @ cUSToM MEMo SEL button (See page 22) Recall a genre name with this button. NEWS r- tt ROCK- POP- JAZZ- - OTHER- HITS (Hvper lntelligentTuning Systeml button: lPage 23) Press this button, and search automatically begins up and down the frequency {or stations that can be received. When a station that can be received is found, the search operation stops. O scnru button Operate when the INPUT SELECTOR is set to TUNER. Station frequencies assigned to the STATION CALL buttons are tuned in, one after another, beginning with the current station no.

, for approximately 5 seconds each. The display section SCAN indicator will light. Press the button again and the tuner remains tuned in to the station playing when the button was pressed the second time. Station frequencies not assigned station numbers in the memory are skipped. When you have selected a CUSTOM ΛΤΕΜΟRY genre, memory scan is performed on the stations in that genre. 17 <AR81378> FRONT PANEL FACILITIES @STAT\ON CALL buttons to 30 FM or AM stations can be preset at random. These buttons are used to preset and recall desired broadcasting Up @ DELAv TIME buttons Operates when the STMULATED SURROUND or DOLBy pRO LOGTC SURROUND mode is ON. Switches to surround delay time in g steps. For DOLBy pRO LOGIC SURROUND, 20 ms is standard. Changes in 2 ms steps.

.l stations, FM AUTO/MONO mode. NOTE: . Pressing STATION CALL bufton will select TTJNER as the source, regardless of what other listening source or function was selected. They are also used when performing direct access tuning.

. 6 ms * 1g ms _ ms * 30 ms @ SIMULATED srEREo button Press to produce a simulated stereo effect when listening to monaural sources (for example, normal AM or TV broadcasts). "SIMULATED STEREO,, appears on the display section. @ ooley 3cH Loctc button -source regeneration and rear speakers r)Vish NOTE: o This effect is not ptoduced through the rear speakers. c Use with the STJRROUND MODE in the OFF.

Sele ate and DO @ to use the front L, front R, audio/visual material bearing the @SURROUND MODE selector buttons SIMULATED SURROUND: Select this setting when listening to music or a monaural source, etc. STUDIO: Select this setting to enjoy the effect of listening to music in a recording studio. DOLBY PRO LOGIC SURROUND: Select this setting when w_atching video tapes or video discs bearing nnnsrrn voLUME controt Use it to simultaneously adjust the sound volume from the front, center and rear speakers. @ PHoNES jack Connect the plug on your headphones to this jack. Set all SPEAKERS A and B switches to OFF if you want to cut the sound from speakers and listen to it only through the headphones. tfre [[loor-eyEuRnouNp I mart. @ SPEAKERS buttons (A, B) ON/OFF switches for the rgpp @ BALANCE buttons Use them to adjust the sound volume balance between left and right speakers. L: Press to decrease the sound on the right side. R; Press to decrease the sound on the left side. Press L and R together to bring the vorume barance A and B speaker systems.

-gg NOTE: f @ speakers when both A and B speakers has been connected back to center. NOTE: The left+ight sound volume balance cannot be adjusted on the rear speakers. eaNo (FM/AM) button to switch between FM and AM frequency band reception. Use this @TUNING buttons @TREBLE control buttons the + button to increase the high-frequency level, and the - button to decrease it. The TONE indicator appears on the display section. When both buttons (+: Performs use to adjust the high-frequency rever. press -: tuning from the currently displayed station frequency in ascending f requency order. Performs tuning in order of descending frequencies, simultaneously, the treble response condition. +, -) of the TREBLE control are pressed will be set to the flat (normal) @ lrueur SELECToR buttons VCR VCR 1: 2: @ BASS control buttons the row-frequency rever, press the + button to increase the low-frequency level, and the - button to decrease it. The TONE indicator appears on the display section.

When both buttons (+, -) of the BASS control are pressed simultaneously, the bass response will be set to the flat (normal) use to adjust !D, IYI 1/DAT: TAPE Press Press Press Press when when when when performing performing performing using a TV playback on a first VCR unit. playback on a second VCR unit. playback on a LD player. tuner connected to the TV jacks. condition.

cD: TUNER: Press Press when performing playback on a DAT or cassette deck. TAPE 2 MONITOR: Press when performing playback on a second cassette deck or second D lng' press player' when when PHONO: Press when playing records on turntable. 18 <AR81378> FRONT PANEL FACILITIES @ACOUSTIC buttons (See page 26) MEMORY: Pressing this button will result in the memorization of the sound quality (tone control condition). Press again to cancel this mode. SELECT: @ RETURN button Press this button to return the receiver into the initial state, TUNER is .

. This button is used to preset the five acoustic memories (A-E). This button is also used to recall previously set sound quality settings. Each time you press the button, the sound quality setting advances selected at this initial state. Adjust the sound level by using the MASTER VOLUME control. . TAPE 2 MON\TOR....

.... OFF . V-SIGNAL SELECTOR.... OFF .
SURROUND MODE.....
,. OFF . TONE ...
... flat in the order shown below. . . . MUTING ...

....
.....
... ..
....

.. OFF BALANCE........
....,.

CENTER FUNCTION TUNER t--l r-FLAT+ For LOUDNESS-+ A- B- C- D+ E The HITS function searches for broadcast stations among the I frequencies displayed. NOTE: lf no sound is output after the RETURN button is pressed, make sure that SPEAKERS buttons are turned on. FLAT: flat (normal) frequency response, LOUDNESS: Emphasizes the low- and high-frequency ranges. Produces a fuller sense of sound, particularly when A-E: @ listening at low volume. Memorized acoustic memory settings.

@ MUTTNG button Press to temporarily cut off the sound volume. The display section MUTING indicator will flash. When pressed again, the sound will return to its previous level. neser button Use this when normal operation becomes impossible because of external influences such as static electricity or lightning, or when operation is impossible even when operation buttons are pressed. Press this button to return to normal operating conditions. lf you press this button when the power is ON, the unit switches to POWER STANDBY, and the entire contents of the memory are erased. 19 <AR81378> FRONT PANEL FACILITIES ffiF^nt KHz @ cnnnncrER/LEVEL/BALANcE disptay o This displays the name of the component selected with the INPUT SELECTOR and V-SIGNAL SELECTOR, etc.

@ CENTER MoDE indicators These display the center mode (NORMAL, WIDE, PHANTOM) during DOLBY PRO LOGIC SURROUND and DOLBY 3CH LOGIC operation (Refer to page 6, 7). . lt also displays the level and balance settings @ DOLBY 3CH LOGIC indicator @ suRRouND MODE indicators during adjustment.

@ Tuning indicators TUNED: @ Frequency/Band display @ Lights up when a station is tuned. FM MONO: Lights up when the FIV MONO mode is selected with the FM MODE AUTO/MONO button. STEREO: Lights up when a stereo FM broadcast is being received. fnPe 2 indicator Lights up when the INPUT SELECTOR is set to TAPE 2 MONITOR ON. @ scnru indicator Lights up during memory scan operation. @ fOrue level indicator Shows the settings of the BASS and TREBLE buttons. @ nuro ruNtNG indicator Lights up when in the auto tuning mode. @ Acousrlc display) DELAY indicator @ SEARCH indicator indicator O SIMULATED STEREo @ sTATloN disptay lndicates the channel (ch) selected with the STATION CALL buttons. e . . ncousTc/DELAY TIME/LEVEL/SLEEP TIME display lndicates delay time (ms) when using DOLBY PRO LOGIC SURROUND, lndicates rear level and center level (dB). o lndicates sleep timer settings (min). o Displays Acoustic memory letters A to E. 20 <ARB1378> SCICCT Press the POWER switch to the ON position. TUNER With thc INPUT SELECTOR.

Be sure to turn the TAPE 2 MONITOR button OFF when listening FM auto stereo reception and monaural reception Each time you press the FM MODE AUTO/MONO buton, the FM to AM or FM broadcasts. Switch ON the SPEAKERS button corresponding to the speakers being used. MONO indicator in the display section lights or goes out. . lf an FM stereo broadcast is received when the FM MONO indicator is out, the STEREO indicator lights, and sound is in stereo.

. lf an FM stereo broadcast is received when the FM MONO indicator is lit, the sound will be monaural. lf there is interference during STEREO mode reception, switchto FM MONO. The sound will become monaural but interference will be reduced. DIRECT ACCESS TUNING E 1J rnt: n n 'UU.U U w Once the station frequency has been input, the receiver tunes in that frequency. lf the input frequency falls below the lower or higher limit of the receiver's receivable frequency range "LOWER" or "UPPER" is displayed, indicating that the frequency which has been input cannot be tuned in. When you know the frequency of the desired station, the frequency can be input directly using the STATION CALL (number) buttons in the following way: 1. Select either FM or AM using the BAND FM/AM button. 2.

Press the DIRECT ACCESS button 4. Adjust the sound volume and tone as desired. To cancel frequency input Direct access is canceled when the DIRECT ACCESS button is pressed agarn. Under the following conditions direct access is canceled and the unit 3. lnput the desired station frequency buttons. Example: To receive FM 106.00 MHz returns to the condition in effect before direct access was selected: seconds after the DIRECT ACCESS button was Pressed. @ lf more than about eight seconds elapse between number input. @ lf there is no key input for about five Notes regarding direct access tuning . There is no need to input the last digit "0" of the desired station frequency.

On the multi-voltage model, it is necessary to input the last digit of the desired station frequency when the channel step switch is set at the 50 kHz/9 kHz position. AUTO TUNING Auto tuning is convenient when you do not remember the frequency of a desired station, or when you wish to find stations that you do not norrrially listen to. 3. ol the TUNING buttons. ot Press the o Pressing " + " causes scanning to take place in the direction of increasing frequency. Pressing " - " causes scanning to take place in the direction of decreasing frequency. a station is received, scanning will stop (tn" lfUruEO-l indicator lights). lf you wish to receive a different station, press again. or the TUNING button o Pressing either of the TUNING (- , +) button during auto tuning causes tuning to stop at the current frequency. Adjust the sound volume and tone as desired.

o When "+" "-" 13 2 4 4. "+" "-" NOTE: . . 1. 2. Use the BAND FM/AM button to choose either FM or AM. Press the AUTO/MANUAL button and the AUTO TUNING indicator lights. When Auto Tuning is used, correct reception maY not be possible for very distant stations or stations with very weak signals. ln this event, Manual Tuning is recommended. rhejtJntFolindicator may not light with broadcasts received over long distances, or when the broadcast signals are extremely weak.

21 <AR81378> MANUAL TUNING is pressed, the tuning Each time the TUNING button "+" frequency changes by one step, allowing you to find stations manually. 1. Use the BAND FM/AM button to choose either FM or AM. 2. Select ManualTuning with the AUTO/MANUAL button (the AUTO 13 2 4 3. TUNING indicator goes outl. Pressthe " +" ot "-" of theTUN\NG button as necessoryto set to the frequency of the desired station. . Each time the button is pressed, the tuning frequency will change by one step in the direction corresponding to the button pressed. lf the button is kept depressed, the frequency changes continuously in sequence.

. When a station is received, tn" ITUtrteo-] indicator will light up. NOTE: fneVjUd indicator may not tight with broadcasts received over long distances, or when the broadcast signals are extremely weak. 4. Adjust the volume and tone as desired.

PRESET TUNING FREOUENCY PRESETTING AND CUSTOM [Custom memo]y selectionl MEMORY SELECTION At the same time, you can also memorize stations under the following five different genre names according to the material played on the station (Custom memory). The five following genres are available. ROCK, POP, JAZZ, NEWS, OTHER o 1. [Frequency presetting] 2 3 Select the station number you want to memorize with the o E: STATION CALL buttons. 2.

Press the MEMORY button. 3. Display the desired genre with the CUSTOM MEMO SEL button. 4. When entering another station number into custom memory, repeat steps 1 to 3. 1. Tune in the . . desired station. LISTENING TO BROADCASTS TUNING See the section "DIRECT ACCESS TUNING" for information on 2.

3. reception using the Direct Access Tuning mode. See the section "AUTO TUNING" for information on reception using the Auto Tuning mode. o See the section "MANUAL TUNlNG" for information on reception using the Manual Tuning mode. ln addition to station frequencies, the FM MODE (AUTO/MONO) can also be preset. Press the MEMORY button. Press the STATION CALL butron into which you wish to preset the station. . usethesTATloNCALLbuttons(*1 _ *9, *0) toselectapreset channel.

One press selects the I - 1 0 range, two presses 1 1 20, and three presses 21 - 30.

lExamplel lf you press burton [i5l Once - 3 ch Twice - 13 ch Three times - 23 ch : 1. 4. Press a STATION CALL button within two seconds. Repeat steps 1 to 3 to preset additional stations. Total of 30 AM and FM stations may be preset.

When you store a new preset, it takes the place of the previously stored station (if any). 2. Press the STATION CALL button into which the desired station has been preset. . When the INPUT SELECTOR is set to a function other than TUNER, it will switch to the TUNER function automatically if one of the STATION CALL buttons is pressed.

Tuning can be performed simply and accurately following the above procedure. Adjust the volume and tone as desired. NOTE: The contents of the STATION CALL button will be retained for several days, even if the receiver power cord is unplugged. lf a preset station has been erased, preset it again. 22 <ARB1378> PRESET TUNING Last station memory When the POWER switch is pressed to turn the power on, the last station received before the power was previously turned off will be tuned in again. When the power is ON, if the BAND FM/AlVl button is pressed, the last station received before the BAND FM/AM button was previously pressed will be tuned in again. MEMORY SCAN Reception of consecutive broadcast stations memorized in STATION CALL buttons (each station is received for about five seconds). You can scan all stations, or just the stations memorized in the custom memory. lScanning the genres in the custom memoryl 1 . Display the desired genre using the CUSTOM MEMO SEL button.

Press the SCAN button. 2. lscanning allthe stations memorized in STATION CALL buttonsl During TUNER display, press the SCAN button. HITS (Hyper lntelligent Tuning System) You can use the HITS function in the two following situations. HITS @ Wlren inputting frequency numbers for Direct Access Tuning: lf the HITS button is pressed during input of numbers for Direct Access tuning, the receiver sets the remaining digits which have not yet been input to "0", searches for the corresponding frequencies, and stops on the first station it finds. @ During frequency display: lf the HITS button is pressed at the currently displayed station frequency, o E: the receiver searches up and down the frequency band for the next station (the SEARCH indicator in the display section lights at this time) and stops at the first one it finds. (FM) - r MHz FTARTI +'l MHz NOTE: c The system searches for stations within successive 1 MHz ranges for FM and 1OO kHz ranges for AM. During Direct Access tuning, it searches up and down fot a station until it reaches the edges of the band. lf no receivable station is found within the band range, the receiver returns to the state it was in before the HITS button was pressed. o lf the upper (or lower) frequency limit of the receiver is encountercd during HITS operation, the receiver stops searching in that direction but continues to search in the other. 23 <AR81378> RECEIVING FM SIMULCAST TV PROGRAMS By combining a TV set and a VCR {or TV tuner), you can receive FM simulcast TV programs (stereo TV sound transmitted from an FM radio station) while viewing the video portion on your TV. 1. Select the desired TV proglam with the TV set. 2. Tune in the desired FM simulcast TV program on the receiver.

3. Adjust the volume and tone controls as desired. Press the power switch to the ON position, and turn on the power to the other components you wish to use (for example, TV, VCR, cassefie deck etc.). PLAYBACK 1.

Use the INPUT SELECTOR buttons to select the desired program soutce. Program Source INPUT SELECTOR PHONO CD To listen to records. To listen to compact discs. To listen to a tape on the cassette deck (or digital audio tape deck) connected to TAPE 2 MONITOR jacks. TAPE 2 MONITOR To listen to a tape on the cassette deck (or digital audio tape deck) connected to TAPE 1/DAT jacks. To watch the TV picture from a TV tuner connected to the TV jacks. To watch a LaserDisc. TAPE 1/DAT LD To watch a video cassette tape on the VCR connected to VCR 2 jacks. To watch a video cassette tape on the VCR connected to VCR 1 jacks. VCR 2 VCR 1 * lf you select a music source other than TAPE 2, switch OFF the TAPE 2 MONITOR.

Operate the appropriate audio/video component to play back the proglam soutce. r For a video source, switch the TV connected to this unit to the 2. video input mode. 3. Adjust the volume and tone controls as desired. o When listening to a monaural source, turn the SIMULATED STEREO button ON to enjoy simulated stereo sound. . Refer to page 26 for details concerning surround operation. . Refer to page 26 for details concerning sound quality adjustment. 24 <AR81378> RECORDING WITH A CASSETTE DECK USING VCR 1, VCR 2 FOR AUDIO RECORDING The audio signal output from the VCR 1 and VCR 2 AUDIO REC jacks is the same as that output from the TAPE 1 /DAT REC jacks, so you can record using the same procedure as for recording with TAPE 1/DAT. RECORDING WITH TAPE 1/DAT lf the TAPE 2 MONITOR button is ON, press to turn OFF. o 1 1. Select the source you want to record from with the SELECTOR buttons. INPUT COPYING TAPES - r:.

||@ rL_____ r ^: o it . When recording to AM or FM broadcasts, press the desired STATION CALL button if the station has been preset. lf the desired station has not been preset, tune in the station using Auto, Manual or Direct Access tuning. The following operation concerns TAPE 1 to TAPE 2 copying. TAPE 2 to TAPE 1 copying is not possible.

2. Start recording on TAPE 1/DAT cassette deck (or DAT deck). 3. Play the desired program source (record, compact disc, etc.). r The volume, balance and tone controls have no effect on the recording. 1. Press the TAPE 1/DAT INPUT SELECTOR button. lf the TAPE 2 MONITOR button is ON, press to turn . OFF.

2. RECORDING WITH TAPE 2 1. Select the source you want to record from with the SELECTOR buttons. r Be sure the TAPE 2 MONITOR button is OFF. INPUT Load rhe TAPE 1/DAT cassette deck (or DAT deck) with a tape to playback. 3. Load the TAPE 2 cassette deck with a tape to record to. 4. Start recording on the TAPE 2 cassette deck. 5.

Start playback on the TAPE 1 /DAT cassette deck (or DAT deck). Tape monitoring When recording is performed on a cassette deck equipped with monitoring function, the recorded sound can be monitored through the speaker system by pressing the TAPE 2 |4ONITOR button to ON. 2. Start recording on the TAPE 2 cassette deck. Play the desired proglam source (record, compact disc, etc.

). 3. VIDEO RECORDING Refer to the connection procedures on pages 8 to 1 3 and refer to the VCR's Operating lnstructions regarding proper operation procedures. Recording can be performed on both VCR 1 and VCR 2. 1.

Select the source to record from with the buttons, INPUT SELECTOR LD = ll ll lL_____ l : ^: - o . When recording from a LaserDisc on VCR 1 or VCR 2 . When recording from a TV tuner on VCR 1 or VCR 2 . When recording from VCR 1 on VCR 2 -_ VCR . When recording from VCR 2 on VCR 1 * VCR 2 1 TV 2, Begin recording on the VCR. o For VCR, select a line input (external input) 3. Begin playback on the component selected with the INPUT - SELECTOR. 25 <ARB1378> Use with video or audio sofrware bearing mark. the D0 FaBy sunnorrNp-l Use DOLBY PRO LOGIC SURROUND when rear speakers are connected, and DOLBY 3CH LOGIC when rear speakers aren,t connected. 6.

7. Press the lemote control TEST TONE button. With the remote conrrol BALANCE (1, R), CENTER LEVEL (+, _), and REAR LEVEL (+ , -) buttons, adjust the test tone volume level so that is the same from each speaker. Press the remote control TEST TONE button to switch the test tone For correct surround reproduction, be sure adjustments. to perform following 8. OFF, LEVEL ADJUSTMENT NOTE: c The TEST TONE turns off if you operate the lNpuT SELECTOR. . CENTER MODE PHANTOM selection and REAR LEVEL adjustment are not possible during DOLBY 3CH LOGIC operation. OPERATION 1. Select DOLBY PRO LOGTC SURROUND with rhe SURROUND MODE buttons, or selecr DOLBY 3CH LOGIC.

2. Select the component for playback with the INpUT SELECTOR buttons. 3. 1. Select the center mode with the remote control CENTER MODE button. Use SURROUND MODE butrons ro setect DOLBY pRO LOGTC SURROUND or use the DOLBY 3CH LOGIC burton to switch DOLBY 3CH LOGIC ON. 4. 5. Begin playback. Adjusr volume level with the MASTER VOLUME control.

2. Use SPEAKERS button to turn on front speakers. 3. Adjust MASTER VOLUME to a suitable listening level. SETTING THE DELAY TIME When using DOLBY PRO LOGIC SURROUND, you can set the delay time between 16 ms and 30 ms (2 ms step). The standard setting is 20 ms, but you can select any setting of your choice. When you press the DELAY TIME button on the main unit or remote control, DELAY lights in the display section, with numerical indication of the delay time. 4. 5. Press BALANCE L and R buttons togethel.

SEIECT thE CENTER MODE (NOBMAL, WIDE, PHANTOM} SEttiNg with the remote control CENTER MODE button. Memorized tone settings can be recalled using the SELECT button. Up to five different tone settings can be memorized. Setting the Acoustic Memory ln this way, the desired tone will be preset in one of the five acoustic memory positions. To preset four other desired tone settings, perform the same operations. Recalling tone setting in the Acoustic Memory To recall the memorized tone settings, press the SELECT button to select the desired memory position. r--+ FLAT* LOUDNESS* FLAT: For A * B _ C _ D_ E .- flat (normal) frequency response. 1. Adjust the sound quality as desired using the BASS and TREBLE 2 A-E: LOUDNESS: Emphasizes the low- and high-frequency ranges.

Produces a fuller sense of sound, particularly when listening at low volume. Memorized acoustic memory settings. control buttons. . Sefting are shown by the TONE level indicator on the display section, 2.

Press the MEMORY butron. . The acoustic memory letters on the display section blinks on and off. 3. zo Press the SELECT button and select the acoustic memory to which you wish to assign the setting (A - E).

. The sound quality setting is memorized approximately five seconds after you last press the SELECT button. <AR81378> 1. Select the component you want to listen to with the o e: This function can be used to allow you to listen to the playback sound while changing the video image only, thus allowing you to playback and record video images different from the playback sound source. INPUT SELECTOR buttons. r When listening to (or recording) AM or FM broadcasts, press the desired STATION CALL switch if the station has been preset. @@@@@@@@@. @@@@@@@@c Volume level can not be raised above the center setting. . @@FLAN.

@@@@@@@@@@"AUTO SOURCE CONTROL 1 lor 2)" is scroil disptayed. @@ln the case of the example, the following operations are performed. Press the AUTO SOURCE CONTROL 1 button. @@@ Play starts on the CD player. @@@@@@@@@Open REMOTE CONTROL RANGE When operating the remote control unit, point the front of the unit at the front panel of the receiver. The remote control unit may be used within a range of about 7 meters (23 feet) from the remote sensor, within angles of up to about 30 degrees. Performance of the remote control unit is adversely affected in the presence of strong fluorescent light. Keep such lights away, especially the rear cover. (R03/UM-4) batteries, correctly matching 2. lnstall size polarity. Close the cover. 3. from the sensor window. 7m (23 feet) lncorrect use of batteries may lead to leakage or ruptute. AIways be sure to follow these guidelines: A.

the positive (+) and negative B. Battery Replacement When the batteries have run out, the transmit indicator will not illuminate even when a button is pressed. Be sure to replace the batteries as soon as possible. Also, be sure to always use the specified batteries (R03/UM-4 batteries). Always insert batteries into the battery compartment correctly matching (-) polarities, as indicated inside the compartment.

Never mix new and used batteries. c. Batteries of the same size may have different voltages, depending on their type. Do not mix different types of batteries. Transmit mode selector switch AUDIO: Select this position for remote control operation of audio equipment such as a CD player, tape deck or receiver. Trsnsmlt mode seloctor switch VIDEO: Select this position for remote control operation of video equipment such as a LD player, VCR or TV. AUDIO mode functions are displayed in black letters, but VIDEO mode functions are displayed in green letters. "i="tr -vcP cH+ -- 30 <AR81378> VSX-501 REMOTE CONTROL OPERATION Durins DOLBY PRO LOGTC SURROUND and STMULATED SURROUND operation, delay time settings can be changed from 16 ms to 30 ms in 2 ms steps. The DELAY TIME button does not work with STUDIO and DOLBy 3CH LOGTC. @ v-sEL (vtDEo stcNAL sELEcroR)/TEST ToNE button lTransmit mode: AUDIOI This switches just the video signal in sequence, leaving the sound unchanged.

VCRl-VCR2-LD-*TV.-*OFF lTransmit mode: VIDEOI Operates when the DOLBY pRO LOGIC SURROUND or DOLBy 3CH LOGIC mode is selected. When the test tone is ON, TEST is displayed in the display section, and the test tone is output through each speaker in turn for about two seconds. O MASTER voLUME Adjusts the overall volume. (+, -) button @ TAPE 2 MoNtroR button Switches the receiver or amplifier TAPE 2 MONITOR on and off. @ SURROUND MODE butron The surround mode is switched in the following manner each time the button is pressed: @ FUNcloN button Each press changes the receiver or amplifier input in sequence.

t-t r----------- STUDIO - SIMULATED SURROUND DOLBY PRO LOGIC SURROUND - OFF _ I . @ CENTER LEVEL (+, -)/REAR LEVEL lTransmit mode: AUDIOI Adjust the center speaker sound level. (+, -) buttons @ sleep timer button Activates the SLEEP timer. The length changes in the following manner each time the button is pressed: lTransmit mode: VIDEOI Adjust the sound level of the rear speakers to the level of the front speakers. 90*60-+30-0(off) _ Unit: minutes I J When SLEEP is ON, the display section is about half as bright as when SLEEP is OFF .) DoLBy 3cH LoGtc button Switches DOLBY 3CH LOGIC on and off. @ CENTER MoDE button When DOLBY PRO use LOGTC SURROUND or DOLBy 3CH to switch the center mode. LOGTC are ON, @ REcEtvER poWER butron Switches the receiver power ON/STANDBy. TDOLBY PRO LOGIC SURROUNDl @ RETURN button Press the RETURN button to return the receiver to the initial state.

TUNER is selected atthis initialstate. Adjustthe sound levelwith the I NORMAL* WIDE.--PHANTOM. _ MASTER VOLUME buttons. .
TAPE 2 IVONITOR .... OFF . SURROUND MODE.

...... TDOLBY 3CH LOGIC] t't o NORMAL- WtDE . FUNCTION ...
.....
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. TUNER The HITS function searches for broadcast stations among the f o MUTING ....

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.. OFF . FRONT BALANCE..
. CENTER . V-StcNAL SELECTOR...
. OFF OFF . TONE ...... ftat requencies displayed. ACOUSTTC/DELAY TIME setect button lTransmit mode: AUDIOI The acoustic setting changes in the following manner each time this button is pressed NOTE: lf no sound is output after the RETURN button is pressed, make sure that SPEAKERS buttons arc tumed on.

I FLAT* LOUDNESS E-D-c-B--AJ @ AUTO SOURCE CONTROL 1, 2 buttons Use to recall settings memorized in the receiver AUTO SOURCE CONTROL buttons 1 and 2. lTransmit mode: VIDEOI Switches the delay time for surround each time it is pressed. 31 <AR81378> VSX-501 REMOTE CONTROL OPERATION . AUDIO mode operation buttons are indicated by white characters, and VIDEO mode operation buttons are indicated by green characters. Set the Transmit mode selector switch to AUDIO. AUEIICD..VtEtEo TUNER function buttons (operation TAPE EELECT VCF of FM/AM Tuner) TAPE /vcF -vcH OECK J OECK t-r t-t cH+ >+ II << l--l T---r r---r t-l FOWEF ANI STATION + (UP) button: Shifts the station call no. up. STATION - (DOWNI button: Shifts the station call no.
down. CUSTOM button: Press when you want to recall a custom memory genre name. SCAN button: Press when you want to operate memory scan. lf you press this button after pressing the CUSTOM button to display custom memory genre names, such as ROCK and JAZZ, the STATION CALL NO.s of the selected genre name will be scanned.
Set the Transmit mode selector switch to VIDEO. TADE BELECT VCF TAFE/VC H TV function buttons (operation of component display or projection monitor receiver) TV-POWER button: Switches the power of the TV ON/OFF. TV CH (CHANNELI + (UPl button: Changes the channel in the direction of larger CHANNEL CALL DIGIT numbers. TV CH (CHANNEL) - (DOWN) burron: Changes the channel in the direction of smaller CHANNEL CALL DIGIT numbers. --r t-l FOWEF -vcH OECK I DECK l-l t--l -l cH+ ANI II << t-l F TV-VOL +, - buttons: Raises and lowers the volume.
32 <AR81378> VSX-501 REMOTE CONTROL OPERATION CD PLAYER OPERATION Set the Transmit mode selector switch to AUDIO. CD Function buttons (Operation of CD playerl EELECT TAFE TAPEIVCP r---r [= OECK II r----l << E E DECK I l-r t--t CD POWER button: Switches CD player power ON/OFF. This only applies to CD player which you can switch ON/OFF by remote control operation. (TRACK SEARCH) button: Returns to the beginning of the track currently playing. (TRACK SEARCH) button: Advances to the next track. >H DISC SELECT button: Selects the DISC No. (1 to 6) for multi-play compact disc players. (PAUSEI button: Pauses playback. I (STOP) button: Stops playback. (PLAY) button: Selects playback.

LD OPERATION Set the Transmit mode selector switch to VIDEO. LD function buttons (operation 9ELECT VCF of LD player) -VCH CH + OECX I DECK t-r r--_r t-l r----l << r-l r-rII t-l t-l FOWEF ANT TAPE TAPE/vc F LD POWER button: Switches LD player power ON/OFF. This only applies to LD player which you can switch ON/OFF by remote control operation. DISPLAY call button: Clears the chapter and frame/time displays on the screen. (SCAN) button: Selects fast backward. (SCAN) button: << > ll Selects fast forward. (PAUSEI button: Video and audio are stopped and playback is paused. (EJECT) button: Playback is stopped when pressed once. Pressing again causes T the disc table to come out. (PLAY) button: Selects playback
33 <AR81378> VSX.sOl REMOTE CONTROL OPERATION CASSETTE DECK OPERATION Set the Transmit mode selector switch to AUD O auElto..vrE,Eo FirT] TAPE function buttons (Operation of cassette deck) 9ELECT TAFE -vcFt cH+ DETKI EECKN < "F_*R E f-r t-t r--t t--l _ TVCH^ TAPE SELECT button: Selects the cassette No.('l to 6) for a multi_cassette changer.
Selects reverse playback. (STOP) button; Stops the tape transport. Selects forward playback. I CUBTOM ECAN ATATIG'N' l-] \VOL+ r-----1 t--r - voLUME + -TV t-t t-t DECK I button: Switches to the Deck I functions when using a double cassette deck. DECK ll button: Switches to the Deck ll functions when using a double cassette deck.
<< > NOTE: . Some cassette decks cannot be controlled using these buttons. c The 1 button can only be used with cassette decks capable of reverse play. . Some buttons wilt not work with att types of cassette decks. Refer to the opening instructions for your cassette deck. (FF) button: Rapidly advances the tape in the direction of the arrow. (FF) button: Bapidly advances the tape in the direction of the arrow. Set the Transmit mode selector switch to VIDEO. auoro.

.vtE'Eo VCR function buttons (operation of VCRI TAPE EELECT -vcH cH+ EECKI oEcKII ,F**F* rr rr < >+ VCR POWER button' Switches VCR power ON/OFF. r-r t-l r-r --r ANT button: This button can be used only for VCRs with a VCR/TV selector. Toggles the antenna output between VCR and TV. (STOPI button: Stops tape transport. I Selects playback. - (DOWN) button: Shifts channels in descending order. VCR CH + (UP) button: Shifts channels in ascending order. VCR CH (REW) button: Rewinds the tape and allows picture search. (FF) button: Rapidly advances the tape and allows picture search.
34 <AR81378> LOADING BATTERIES 1. Open the battery compartment cover on the real of the remote control unit. The cover should open easily if you slide it in the direction of the arrow while pressing on it with youl thumb. Take out the two supplied batteries (lEC LR6/AM-3), and insert them into the battery compaftment in accordance with the indications in the compartment.