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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-3805. You'll find the answers to all your questions on the DENON AVR-3805 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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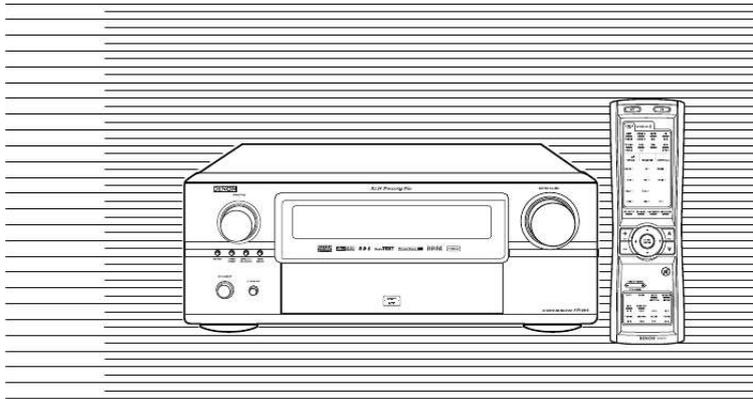
DENON

AV SURROUND RECEIVER

AVR-3805

OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
ISTRUZIONI PER L'USO

INSTRUCCIONES DE OPERACION
GEBRUIKSAANWIJZING
BRUKSANVISNING



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Manual abstract:

@@Keep the set free from moisture, water, and dust. Do not let foreign objects in the set. @@Do not let insecticides, benzene, and thinner come in contact with the set. Never disassemble or modify the set in any way. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc. No naked flame sources, such as lighted candles, should be placed on the apparatus. No objects filled with liquids, such as vases, shall be placed on the apparatus. To be sure you take maximum advantage of all the features the AVR-3805 has to offer, read these instructions carefully and use the set properly. Be sure to keep this manual for future reference, should any questions or problems arise. Pay attention to the following before using this unit: · Moving the set To prevent short circuits or damaged wires in the connection cords, always unplug the power cord and disconnect the connection cords between all other audio components when moving the set.

Before turning the power switch on Check once again that all connections are proper and that there are not problems with the connection cords. Always set the power switch to the standby position before connecting and disconnecting connection cords. Store this instructions in a safe place. After reading, store this instructions along with the warranty in a safe place. Note that the illustrations in this instructions may differ from the actual set for explanation purposes.

This remarkable component has been engineered to provide superb surround sound listening with home theater sources such as DVD, as well as providing outstanding high fidelity reproduction of your favorite music sources. As this product is provided with an immense array of features, we recommend that before you begin hookup and operation that you review the contents of this manual before proceeding. Noise or disturbance of the picture may be generated if this unit or any other electronic equipment using microprocessors is used near a tuner or TV. If this happens, take the following steps: · Install this unit as far as possible from the tuner or TV. Set the antenna wires from the tuner or TV away from this unit's power cord and input/output connection cords.

Noise or disturbance tends to occur particularly when using indoor antennas or 300 /ohms feeder wires. we recommend using outdoor antennas and 75 /ohms coaxial cables. For heat dispersal, leave at least 10 cm of space between the top, back and sides of this unit and the wall or other components. 2

ACCESSORIES Check that the following parts are included in addition to the main unit: q Operating instructions. Switching the input function when input jacks are not connected A clicking noise may be produced if the input function is switched when nothing is connected to the input jacks. If this happens, either turn down the MASTER VOLUME control or connect components to the input jacks. Because of this, the output signals are greatly reduced for several seconds after the power switch is turned on or input function, surround mode or any other-set-up is changed. If the volume is turned up during this time, the output will be very high after the muting circuit stops functioning. Always wait until the muting circuit turns off before adjusting the volume. Whenever the unit is in the STANDBY state, the apparatus is still connected on AC line voltage.

Please be sure to turn the power off (Eoff) when you leave home for, say, a vacation. Dolby Pro Logic IIx compatibility Dolby Pro Logic IIx furthers the matrix decoding technology of Dolby Pro Logic II to decode audio signals recorded on two channels into up to 7. The mode can be selected according to the source. The Music mode is best suited for playing music, the Cinema mode for playing movies, and the Game mode for playing games. The Game mode can only be used with 2-channel audio sources. 1 channels of wide-range, high fidelity surround sound, from sources such as laser disc, DVD and specially-encoded music discs. 5. DTS-ES Extended Surround and DTS Neo:6 The AVR-3805 can be decoded with DTS-ES Extended Surround, a multi-channel format developed by Digital Theater Systems Inc. The AVR-3805 can be also decoded with DTS Neo:6, a surround mode allowing 6. DTS 96/24 compatibility The AVR-3805 can be decoded with sources recorded in DTS 96/24, a multi-channel digital signal format developed by Digital Theater Systems Inc.

DTS 96/24 sources can be played in the multichannel mode on the AVR-3805 with high sound quality of 96 kHz/24 bits or 88. HDCD decoder equipped Connection with a player that supports HDCD playback allows the features of HDCD to be extracted, namely the characteristics of high resolution and low distortion, and fusion with the digital technology that is contained in the AVR3805 allows for the exhibition of the high sound quality of HDCD. 8. DENON LINK The connection of one cable to our DVD player, which supports digital transfer, permits the digital transfer of DVD audio, and DVD multi-channel audio for an enjoyable experience of higher sound quality digital sound with low transfer losses. AL24 Processing for All Channels DENON has further developed its proprietary AL24 Processing, an analog waveform reproduction technology, to support the 192-kHz sampling frequency of DVD-Audio, AL24 Processing Plus, thoroughly suppresses quantization noise associated with D/A conversion of LPCM signals to reproduce the low-level signals with optimum clarity that will bring out all the delicate nuances of the signals with optimum clarity that will bring out all the delicate nuances of the music.

Equipped for not only the front left and right channels but also for the surround left and right, center and subwoofer channels. 11. Auto Setup/Room EQ Use of the microphone for setup applications measures the presence of speakers, the distance to the speakers, and other information, and permits automatic setup. The characteristics of each speaker can also be corrected. Dual Surround Speaker Mode Provides for the first time the ability to optimize surround sound reproduction using two different types of surround sound speakers as well as two different surround speaker positions: (1) Movie Surround Motion picture soundtracks use the surround channel(s) to provide the ambient elements of the acoustic environment they want the audience to realize.

This is best accomplished by the use of specially-designed surround speakers that offer a wide diffusion pattern (bipolar dispersion) or by using surround speakers that provide broad dispersion with a minimum of on-axis localization (dipolar dispersion). Side wall mounting (closer to the ceiling) of the surround speakers provides the greatest envelopment, minimizing localization of direct sound from the speakers. (2) Music Surround With full range discrete surround channels, as well as three discrete full range front channels, digital formats such as Dolby and DTS offer thrilling surround sound music listening.



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Producers of multi-channel discrete digital music recordings almost always favor the use of direct radiating (monopolar) surround speakers, placed in the rear corners of the room, since that is how they configure their studios during the mixing/creation process. The DENON AVR-3805 provides the ability to connect two different sets of surround speakers, and place them in the appropriate locations in your AV theater room, so that you can enjoy both movie soundtracks and music listening, with optimum results and no compromise. 13. Multi Zone Music Entertainment System Multi Source Function: This unit's Multi Source function lets you select different audio sources for listening. Different sources can thus be enjoyed in the main room (MAIN) and the subroom (ZONE2 and ZONE3) simultaneously. 14. Future Sound Format Upgrade Capability via Eight Channel Inputs & Outputs For future multi-channel audio format(s), the AVR3805 is provided with 7. 1 channel (seven main channels, plus one low frequency effects channel) inputs, along with a full set of 7.

1 channel pre-amp outputs, controlled by the 8 channel master volume control. This assures future upgrade possibilities for any future multi-channel sound format. 15. Front input Terminal The unit is equipped with a Front Input connector for the convenient connection of a video camera or other equipment.

Because of this, the AVR-3805's MONITOR OUT jack can be connected to the monitor (TV) with a set of cables offering a higher quality connection, regardless of how the player and the AVR-3805's video input jacks are connected. 17. Component Video Switching In addition to composite video and "S" video switching, the AVR-3805 provides 3 sets of component video (Y, PB/CB, PR/CR) inputs, and one set of component video outputs to the television, for superior picture quality. Each output can be activated upon the selection of assigned. Auto Surround Mode This function stores the surround mode last used for an input signal in the memory and automatically sets that surround mode the next time that signal is input. 22.

EL Foil Remote An EL Foil remote with improved operational qualities is used which displays only the keys required by the device. Do not plug in the AC cord until all connections have been completed. Be sure to connect the left and right channels properly (left with left, right with right). Do not use them for hair driers, etc. Note that binding pin plug cords together with AC cords or placing them near a power transformer will result in generating hum or other noise.

Noise or humming may be generated if a connected audio equipment is used independently without turning the power of this unit on. If this happens, turn on the power of the this unit. Using an improper cable can result in a drop in video quality. When making connections, also refer to the operating instructions of the other components. The REC OUT terminals have no conversion function, so when recording only connect the video terminals.

When making connections, also refer to the operating instructions of the other components. Connect the CD player's analog output jacks (ANALOG OUTPUT) to this unit's CD jacks using pin plug cords. NOTE: This unit cannot be used with MC cartridges directly. Use a separate head amplifier or step-up transformer. If humming or other noise is generated when the ground wire is connected, disconnect the ground wire. SWITCHED (total capacity 100 W) The power to these outlets is turned on and off in conjunction with the POWER operation switch on the main unit, and when the power is switched between on and standby from the remote control unit. No power is supplied from these outlets when this unit's power is at standby. Never connect equipment whose total capacity is above 100 W. NOTE: Only use the AC OUTLET for audio equipment. Never use them for hair driers, TVs or other electrical appliances.

DVD player or video disc player (VDP), etc. Connecting a DVD player or a video disc player (VDP) DVD · Connecting the pre-out jacks Use these jacks if you wish to connect external power amplifier(s) to increase the power of the front, center and surround sound channels, or for connection to powered loudspeakers. To use Surround back with one speaker, connect the speaker to SURR. Only audio signals are inputs to the digital input jacks. CD player or other component equipped with digital output jacks, in such a way that they do not obstruct the ventilation holes. MD recorder, CD recorder or other component equipped with digital input/output jacks CD recorder or Tape deck Connecting the DIGITAL jacks Use these for connections to audio equipment with digital output. Use optical cables for optical connections, removing the cap before connecting. There are two sets of video deck (VCR) jacks, so two video decks can be connected for simultaneous recording or video copying. Connections for recording: Connect the tape deck's recording input jacks (LINE IN or REC) to this unit's tape recording (CDR/TAPE OUT) jacks using pin plug cords. Connections for playback: Connect the tape deck's playback output jacks (LINE OUT or PB) to this unit on the main unit and set the unit to the operating mode.

2. Perform the operation to turn off the power from the external control. After checking the above, check the connections of the external controller. Do not connect two FM antennas simultaneously. Even if an external AM antenna is used, do not disconnect the AM loop antenna.

Make sure AM loop antenna lead terminals do not touch metal parts of the panel. These jacks are for inputting multi-channel audio signals from an outboard decoder, or a component with a different type of multi-channel decoder, such as a DVD Audio player, a multi-channel SACD player, or other future multi-channel sound format decoder. When making connections, also refer to the operating instructions of the other components. [2] ZONE3 FIXEDOUT CONNECTIONS · If another pre-main (integrated) amplifier is connected, the ZONE3 Fixed-OUT jacks can be used to play a different program source in ZONE3 the same time. If another power amplifier or pre-main (integrated) amplifier is connected, the ZONE2/ZONE3 output terminals can be used to play a different program source in ZONE2/ZONE3 the same time.

ZONE2/ZONE3 SPEAKER OUT can be used when "ZONE2/ZONE3" is selected at System Setup Menu "Power Amp Assign". In this case, Surround Back Speaker OUT cannot be used for MAIN ZONE. High quality digital sound with reduced digital signal transfer loss can be enjoyed by connecting a separately sold DENON LINK compatible DVD Player. 2 Playback using the DENON Link connector Digital transfer and multi-channel playback of DVD audio discs and other multi-channel sources is possible by connecting the AVR-3805 to a DENON DVD player equipped with a DENON LINK connector using the connection cable included with the DVD player. 2 DENON LINK Setting When a DENON DVD player and the DENON LINK have been connected, be sure to make a setting to "DENON LINK" with the System Setup Digital In Assignment.



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When the input mode is AUTO and DENON LINK has become unlocked, the unit automatically changes over to the set connector (ANALOG or EXT. The settings must be changed to use this speaker for ZONE2/ZONE3. Connect the Video game component's output jacks to this unit's V. When making connections, also refer to the operating instructions of the other components. speaker Impedance - Speakers with an impedance of from 6 to 16 /ohms can be connected for use as front and center speakers.

Speakers with an impedance of 6 to 16 /ohms can be connected for use as surround speakers. Be careful when using two pairs of surround speakers (A + B) at the same time, since use of speakers with an impedance of less than 8 /ohms will lead to damage. The protector circuit may be activated if the set is played for long periods of time at high volumes when speakers with an impedance lower than the specified impedance are connected. Connect the speaker terminals with the speakers making sure that like polarities are matched (with , with). Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired. When making connections, take care that none of the individual conductors of the speaker cord come in contact with adjacent terminals, with other speaker cord conductors, or with the rear panel. NOTE: NEVER touch the speaker terminals when the power is on. Doing so could result in electric shocks. Precautions when connecting speakers If a speaker is placed near a TV or video monitor, the colors on the screen may be disturbed by the speaker's magnetism. If this should happen, move the speaker away to a position where it does not have this effect.

To use Surround back with one speaker, connect the speaker to SURR. The settings must be changed to use this speaker for ZONE2/ZONE3. This unit is equipped with a high-speed protection circuit. The purpose of this circuit is to protect the speakers under circumstances such as when the output of the power amplifier is inadvertently shortcircuited and a large current flows, when the temperature surrounding the unit becomes unusually high, or when the unit is used at high output over a long period which results in an extreme temperature rise. When the protection circuit is activated, the speaker output is cut off and the power supply indicator LED flashes.

Should this occur, please follow these steps: be sure to switch off the power of this unit, check whether there are any faults with the wiring of the speaker cables or input cables, and wait for the unit to cool down if it is very hot. Improve the ventilation condition around the unit and switch the power back on. If the protection circuit is activated again even though there are no problems with the wiring or the ventilation around the unit, switch off the power and contact a DENON service center. The protector circuit may be activated if the set is played for long periods of time at high volumes when speakers with an impedance lower than the specified impedance (for example speakers with an impedance of lower than 4 /ohms) are connected. if the protector circuit is activated , the speaker output is cut off.

Turn off the set's power, wait for the set to cool down, improve the ventilation around the set, then turn the power back on. For details on the functions of these parts, refer to the pages given in parentheses (). OFF indicator This lights when the operation of the video circuit has been turned off. For details on the functions of these parts, refer to the pages given in parentheses (). Once all connections with other AV components have been completed as described in "CONNECTIONS" (see pages 5 to 9), make the various settings described below on the monitor screen using the AVR-3805's on-screen display function.

These settings are required to set up the listening room's AV system centered around the AVR-3805. Use the following buttons to set up the system Use the following buttons to set up the system. CURSOR buttons Use these to move the cursors the left, right, up and down on the screen ENTER button Press this to switch the display. Also use this button to complete the setting. System setup items and default values (set upon shipment from the factory) 1.

Auto Setup/Room EQ Set this to switch the surround back channel's power amplifier for use for zone2 or zone3. This parameter is for optimizing the Room EQ with which the audio signals are produced from the speakers. Set the Room EQ setting with All or Assign for each surround mode. Set this to switch the Mic Input jack for use for Mic or V. Speaker Setup Input the combination of speakers in your system and their corresponding sizes (SMALL for regular speakers, LARGE for full-size, full-range) to automatically set the composition of the signals output from the speakers and the frequency response. This parameter is for optimizing the timing with which the audio signals are produced from the speakers and subwoofer according to the listening position. Set the audio delay to delay time the sound and synchronize it with the picture. Turn the audio compression on or off when downmixing Dolby Digital signals. This adjusts the volume of the signals output from Front L Front R Center Surround Surround Surround Surround Subwoofer L R Back L Back R the speakers and subwoofer for the different channels in order to obtain optimum effects. 0 dB Set the frequency (Hz) below which the bass so of the various speaker is to be output from the subwoofer.

Set this to switch the surround back channel's power amplifier for use for zone2 or zone3. This selects the subwoofer speaker for playing deep bass signals.

This sets the output level the zone2 output jacks. This menu is not displayed, when "ZONE2" is selected at Option Setup "Power Amp Assign". Use this function when using multiple surround speaker combinations for more ideal surround sound.

Once the combinations of surround speakers to be used for the different surround modes are preset, the surround speakers are selected automatically according to the surround mode. This sets whether or not to display the on-screen display that appears on the monitor screen when the controls on the remote control unit or main unit are operated. a setting to prevent flickering. Set whether or not to lock the system setup settings so that they cannot be changed. This assigns the digital input jacks for the different input sources.

This assigns the color difference (component) video input jacks for the different input sources. The on-screen display signals are output with priority to the S-VIDEO MONITOR OUT jack during playback of a video component. For example, if the TV monitor is connected to both the AVR-3805's S-Video and video monitor output jacks and signals are input to the AVR-3805 from a video source (VDP, etc.) connected to both the S-Video and video input jacks, the on-screen display signals are output with priority to the SVideo monitor output.



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If you wish to output the signals to the video monitor output jack, do not connect a cord to the S-VIDEO MONITOR OUT jack. The AVR-3805's on-screen display function is designed for use with high resolution monitor TVs, so it may be difficult to read small characters on TVs with small screens or low resolutions. The setup menu is not displayed when headphone are being used. The following is an example of the basic layout for a system consisting of eight speaker systems and a television monitor: Subwoofer Center speaker system Surround back speaker systems Check that all the connections are correct, then turn on the main unit's power. Setup will not be possible when the unit is set to Pure Direct ON, the Video Off mode, or when the headphones are plugged in. The System Setup menu composition is of a layered design that includes the related items below the large table title as contained in the tables of Pages 11 and 12.

Wherever your position in System Setup, one more press of the System Setup button permits a move to one level higher. Front speaker systems Set these at the sides of the TV or screen with their front surfaces as flush with the front of the screen as possible. The Auto Setup function of this unit performs an analysis of the speaker system and measures the acoustic characteristics of your room to permit an appropriate automatic setting. Optimum delay time from each speaker corresponding to the listening position. With the AVR-3805 it is also possible to use the surround speaker selector function to choose the best layout for a variety of sources and surround modes. Surround speaker selector function This function makes it possible to achieve the optimum sound fields for different sources by switching between two systems of surround speakers (A and B). A loud test tone is output during the measurement. Please consider this should you be planning nighttime measurements, and consider not allowing small children into the listening room at this time. Using A only Using B only When using other microphone. Place the microphone for Auto Setup at the actual listening position which will be at the same height as your ears.

Use a tripod or level surface at positioning. When "ZONE2" or "ZONE3" is selected, this is not displayed. Measurement is canceled when MASTER VOLUME is operated while the Auto Setup is performed. Set the volume to halfway and set the crossover frequency to the maximum or low pass filter off if your subwoofer speaker can adjust the output volume and the crossover frequency. When "Surround Back" is selected, the test tone during Auto Setup will be output from the Surround Back speaker.

The test tone during Auto Setup is set so that it will not be output to ZONE2 or ZONE3 (Another room). Remeasurement starts automatically to receive proper result of measurement. Remeasurement is performed to 2 times, and "Retry1" or "Retry2" is displayed on screen during remeasurement. When "ZONE2" or "ZONE3" is selected at System Setup Menu "Power Amp Assign", surround back speaker is not displayed as the target of setup in "2-1. These error screens will be displayed when performing the measurements of Auto Setup / Room EQ and the automatic measurements can not be completed because of the speaker arrangement, measurement environment, or other factors.

please check the following matters, reset the pertinent items, and measure again. When there is too much noise in the room, the speakers may not be detected properly. Should this happen, perform the measurements when the noise level is low, or switch off the power of the equipment that is producing the noise for the duration of the measurements. Q This screen will be displayed when the speakers required for producing suitable reproduction have not been detected. The front L and front R speakers were not properly detected. Sound was output from the R channel when only one surround back speaker was connected. The surround back or the surround (B) speaker was detected, but the surround (A) speaker was not detected. check that the pertinent speakers are properly connected. (see page 9) e This screen will be displayed when accurate measurements cannot be made due to the input level to the microphone being too high. Set up the speakers so that their position is farther away from the listening position.

When measurements have been made using the measurement microphone, speakers with a built-in filter such as subwoofers might be set with a value that differs from the physical distance because of the internal electrical delay. R This screen will be displayed when the measurement microphone is not connected, or when all of the speakers have not been detected. For some speakers, the screen below may be displayed even though the speakers are properly connected. Select from the following three items based on the measurement results. Set with the checked measurement value. When the "Store" is selected, all parameters are stored up. The measurement results of each item can be checked here. Adjust the tone of the various speakers except subwoofer speaker while listening to the sound (music). When the surround back speaker setting is set to "1spkr" at "Speaker Configuration", this is set to "SB". This is suitable for music reproduction like ITU-R speaker setting.

Use the cursor left and right buttons to adjust the Gain level. Each frequency can be adjusted the range from 6 dB to +6 dB in 0. : Adjusts the characteristics of each speaker to the characteristics of the front speakers. Whenever the Room EQ button on Main unit or Remote control unit is pressed, the display switches as shown below. The Equalizer setting of Normal, Flat and Front can be selected after performing the Auto Setup.

When the speaker set as "None" with the Auto Setup is change to on manually, the equalizer of "Normal", "Front" and "Flat" cannot be used. The Equalizer setting can be selected directly by ROOM EQ button in Main unit or Remote control unit. When headphone is connected, the Room EQ cannot be used. Please ask the DENON Authorized Service Center about the usable microphone other than the option setup. The EQ parameters that were set in Auto Setup can be checked.

This item is automatically displayed, after the measurement result of the "Auto Setup / Room EQ" is decided. The composition of the signals output to each channels and the frequency response are adjusted automatically according to the combination of speakers actually being used. Set whether speakers are connected or not and, if so, their size parameters. Cross over Frequency and Subwoofer Mode Setup is not displayed when not using a subwoofer. Surround Sp setup is displayed when using both surround speakers A and B. Select "Large" or "Small" not according to the actual size of the speaker but according to the speaker's capacity for playing low frequency (bass sound below the frequency set for the Crossover Frequency) signals.



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If you do not know, try comparing the sound at both settings (setting the volume to a level low enough so as not to damage the speakers) to determine the proper setting. Select this when using speakers that have sufficient performance for reproducing bass sound below the frequency set for the Crossover Frequency mode. small . Select this when using speakers that do not have sufficient performance for reproducing bass sound below the frequency set for the Crossover Frequency mode.

When this is set, bass sound with a frequency below the frequency set for the Crossover Frequency mode is sent to the subwoofer. Select this when no speakers are installed. Select "Yes" when a subwoofer is installed, "No" when a subwoofer is not installed. 2spkr/1spkr . Set the number of speakers to be used for the surround back channel. If the subwoofer has sufficient low frequency playback capacity, good sound can be achieved even when "Small" is set for the front, center and surround speakers. Once "Meters" or "Feet" is selected in step 3, the Delay Time screen appears automatically. Input the distance between the listening position and each speakers to set the delay time for the surround playback. Preparations: Measure the distances between the listening position and the speakers (L1 to L5 on the diagram at the right). L1: Distance between center speaker and listening position L2: Distance between front speakers and listening position L3: Distance between surround speakers and listening position L4: Distance between surround back speakers and listening position L5: Distance between subwoofer and listening position Set the distance between the center speaker and listening position.

Please note that the difference of distance for every speaker should be 6.0 m (20 ft) or less. If you set an invalid distance, a CAUTION notice, such as screen right will appear. In this case, please relocate the blinking speaker(s) so that its distance is no larger than the value shown in highlighted line. If the distance unit is changed after the delay time is set, the settings are reset to the factory default values (see page 12).

Use this setting to adjust so that the playback level between the different channels is equal. From the listening position, listen to the test tones produced from the speakers to adjust the level. The level can also be adjusted directly from the remote control unit. (For details , see page 41.) When both surround speakers A and B are used, their playback levels can be adjusted separately.

When the "Auto" mode is selected: Test tones are automatically emitted from each speaker. The test tones are emitted from each speaker in the following order, at 4-second intervals the first time and second time around, 2-second intervals the third time around and on: 5 dB while the test tone is being produced from the Front Lch speaker Auto: Adjust the level while listening to the test Example: When the "Auto" tones produced automatically from each mode is selected speaker. Manual: Select the speaker from which you want to produce the test tone to adjust the level. : A Adjusts the balance of the playback from which you want to produce level between the channels when the test tone (A, B or A+B). : B Adjusts the balance of the playback level between the channels when using surround speaker B. : A+B Adjusts the balance of the playback (Remote control (Main unit) level between the channels when unit) using surround speakers A and B at the same time. " can only be selected when both surround speakers A and B have been selected at the System Setup Menu (when both A and B have been set to "Large" or "Small"). When the surround back speaker setting is set to "1spkr" for "Speaker Configuration", this is set to "SB". Use the CURSOR left and right buttons to adjust all the speakers to the same volume. The volume can be adjusted between 12 dB and +12 dB in units of 0.

To cancel the settings, press the CURSOR down to select "Level Clear" and "Yes" on the "Channel Level" screen, then make the settings again. When you adjust the channel levels while in the SYSTEM SETUP CHANNEL LEVEL mode, the channel level adjustments made will affect all surround modes. consider this mode a Master Channel Level adjustment mode. After you have completed the SYSTEM SETUP CHANNEL LEVEL adjustments, you can then activate the individual surround modes and adjust channel levels that will be remembered for each of those modes. Then, whenever you activate a particular surround sound mode, your preferred channel level adjustments for just that mode will be recalled. check the instructions for adjusting channel levels within each surround mode. (See page 41) You can adjust the channel levels for each of the following surround modes: PURE DIRECT/DIRECT, STEREO, DOLBY/DTS SURROUND, 5/7 CH STEREO, WIDE SCREEN, SUPER STADIUM, ROCK ARENA, JAZZ CLUB, CLASSIC CONCERT, MONO MOVIE, VIDEO GAME, MATRIX and VIRTUAL. When using either surround speakers A or B, or when using surround speakers A and B at the same time, be sure to adjust the balance of playback levels between each channel for the various selections of "A or B" and "A and B". This screen is not displayed when not using a subwoofer and all speakers are set to small size. Set the subwoofer mode according to the speaker system being used.

Set the crossover frequency mode according to the speaker system being used. The only signals produced from the subwoofer channel are LFE signals (during playback of Dolby Digital or DTS signals) and the low frequency signal range of channels set to "SMALL" in the setup menu. The low frequency signal range of channels set to "LARGE" are produced from those channels. -- Crossover Frequency (2-4) -- · When "Subwoofer" is set to "Yes" at the "Speaker Configuration Setting", set the frequency (Hz) below which the bass sound of the various speakers is to be output from the subwoofer (the crossover frequency). For speakers set to "Small", sound with a frequency below the crossover frequency is cut, and the cut bass sound is output from the subwoofer instead.

(· When the subwoofer set to "NO", the bass sound is output from the speaker set as "Large".) NOTE: For ordinary speaker systems , we recommend setting the crossover frequency to 80 Hz. When using small speakers, however, setting the crossover frequency to a high frequency may improve frequency response for frequencies near the crossover frequency. -- Subwoofer mode (2-5) -- · The subwoofer mode setting is only valid when "LARGE" is set for the front speakers and "YES" is set for the subwoofer in the "Setting the type of speakers". When the "LFE+MAIN" playback mode is selected, the low frequency signal range of channels set to "LARGE" are produced simultaneously from those channels and the subwoofer channel.



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In this playback mode, the low frequency range expand more uniformly through the room, but depending on the size and shape of the room, interference may result in a decrease of the actual volume of the low frequency range. Selection of the "LFE" play mode will play the low frequency signal range of the channel selected with "LARGE" from that channel only. Therefore, the low frequency signal range that are played from the subwoofer channel are only the low frequency signal range of LFE (only during Dolby Digital or DTS signal playback) and the channel specified as "SMALL" in the setup menu. Select the play mode that provides bass reproduction with quantity. When the subwoofer is set to "Yes", bass sound is output from the subwoofer regardless of the subwoofer mode setting in surround modes other than Dolby/DTS. In surround modes other than Dolby Digital and DTS, if the subwoofer is set to "YES", the low frequency portion is always output to the subwoofer channel. Q To select the surround mode When either "Large" or "Small" has been set for both speakers A and B on the System Setup Menu (when using both A and B surround speakers), the surround speaker setting screen appears. Select the surround speakers to be used in each surround mode. A+B : When both surround speakers A and B are used. Speaker type setting when using both surround speakers A and B If "Small" is set for either surround speakers A or B, the output is the same as when "Small" is set for both A and B.

This Menu is displayed when both surround speakers A and B are used. At this screen preset the surround speakers to be used in each surround modes. This setting assigns the digital input jacks of the AVR-3805 for the different input sources. Select according to the specifications of the player being used. W Select the digital input jack Select "OFF" for input sources for which no digital input jacks are used. This setting assigns the color difference (component) video input jacks of the AVR-3805 for the different input sources. The OPTICAL 3, 4 jacks on the AVR-3805's rear panel are equipped with an optical digital output jack for recording digital signals on a CD recorder, MD recorder or other digital recorder. Use this for digital recording between a digital audio source (stereo - 2 channel) and a digital audio recorder. Do not connect the output of the component connected to the OPTICAL 3, 4 OUT jack on the AVR-3805's rear panel to any jack other than the OPTICAL 3, 4 IN jack. When there are multiple input signals, the input signals are detected and the input signal to be output from the video monitor output terminal is selected automatically in the following order: component video, S-Video, composite video.

component: The signal connected to the component video terminal is always played. Video conversion is not conducted, so no image is output from the monitor output terminal when there is no input signal to the component terminal. NOTE: Down-converting from the component video signal to the S-Video and composite video signal is not possible, so when not using the component video monitor output terminal connect the player using the S-Video or composite video input terminal. Cautions on the video conversion function: When the component video terminals are used to connect the AVR-3805 with a TV (or monitor, projector, etc.) and the video (yellow) or S video terminals are used to connect the AVR-3805 with a VTR, depending on the combination of the TV and VTR the picture may flicker in the horizontal direction, be distorted, be out of sync or not display at all when playing video tapes.

if this happens , connect a commercially available video stabilizer , etc. , with a TBC (time base corrector) function between the AVR-3805 and the VTR, or if your VTR has a TBC function, turn it on. Select "NONE" for sources for which the component (Y, PB/CB and PR/CR) video input is not to be used. When the default, "Yes", is selected, the settings are reset to the factory defaults. Use this to automatically search for FM broadcasts and store up to 56 stations at preset channels A1 to 8, B1 to 8, C1 to 8, D1 to 8, E1 to 8, F1 to 8 and G1 to 8.

nOTE: · If an FM station cannot be preset automatically due to poor reception, use the "Manual tuning" operation to tune in the station, then preset it using the manual "Preset memory" operation. The details in each mode are as follows. Sets the down-mixing method when not using a center speaker or surround speakers. oFF: The dynamic range is not compressed. ON: The dynamic range is compressed automatically according to the combination of speakers being used. Select "ON" if you want to use the Compression, "OFF" if you do not want to use it. NOTE: When a center speaker or surround speakers, are not used the sound is played from the front speakers. Set "Compression" to "ON" if it seems that sound is distorted because the input level exceeds the allowable input for the front speakers. This function allows you to adjust the time delay of the video and audio signals and store these settings for the different input sources. The setting is made while watching a DVD or other software, so it is not made here.

By default, this is not displayed when no digital signals are being input. for instructions on making the setting , refer to page 36. NOTE: The audio delay setting does not apply when it plays in the EXT. The surround mode used at last for the three types of input signals shown below is stored in the memory, and the signal is automatically played with that surround mode the next time it is input. note that the surround mode setting is also stored separately for the different input sources. Q Analog and PCM 2-channel signals w 2-channel signals of Dolby Digital, DTS or other multi-channel format e Multi-channel signals of Dolby Digital, DTS or other multi-channel format During playback in the PURE DIRECT mode, the surround mode does not change even if the input signal is changed. Make this setting to switch the power amplifier for the surround back channel to ZONE2 or ZONE3. Select "ON" if you want to use the auto surround mode, "OFF" if you do not want to use it. Select "Surround Back" to use as the surround back channel, "Zone2" to use as Zone2 out, Zone3 to use as Zone3 out. Variable: The level can be adjusted freely using the buttons on the remote control unit.

0 dB, 40 dB: The output level is fixed at the set level and the volume can no longer be adjusted. Level is all set to "variable" including preout level and this menu is not displayed. Use this to turn the on-screen display (messages other than the menu screens) on or off. Use this mode if the on-screen display does not appear in the mode 1, as may happen according to the TV being used. It is turned down the volume to 20 dB from the present level.



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It is turned down the volume to 40 dB from the present level. The system setup settings can be locked so that they cannot be changed easily. This button can be pressed at any time during the system setup process to complete the process. The changed settings are entered and the on-screen display turns off. When the setup lock function is activated, the settings listed below cannot be changed, and "Setup Locked" is displayed when related buttons are operated. Channel level settings (including test tones) To unlock, press the System Setup button again and display the Setup Lock screen, then select "OFF" and press "ENTER". When a component video signal is input and when the "Video Input Mode" is set to the component fixed mode at Input setup, the on-screen display is only displayed when the System Setup, Surround Parameters and On Screen buttons are operated. Once these settings are made, there is no need to change them unless different AV components are connected or the speakers are repositioned. The included remote control unit (RC-970) can be used to operate not only the AVR-3805 but other remote control compatible DENON components as well. In addition, the memory contains the control signals for other remote control units, so it can be used to operate non-DENON remote control compatible products. Use the mode selector buttons to select the component you want to operate. The batteries should be replaced with new ones approximately once a year, though this depends on the frequency of usage. Even if less than a year has passed, replace the batteries with new ones if the set does not operate even when the remote control unit is operated nearby the set. (The included battery is only for verifying operation. Replace it with a new battery as soon as possible.

) · When inserting the batteries, be sure to do so in the proper direction, following the "+" and "-" marks in the battery compartment. Do not use a new battery together with an old one. Do not use two different types of batteries. Do not short-circuit, disassemble, heat or dispose of batteries in flames. Remove the batteries from the remote control unit when you do not plan to use it for an extended period of time. If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries. When replacing the batteries, have the new batteries ready and insert them as quickly as possible. It may not be possible to operate some models. Using the remote control unit Point the remote control unit at the remote sensor on the main unit as shown on the diagram. The remote control unit can be used from a straight distance of approximately 7 meters from the main unit, but this distance will be shorter if there are obstacles in the way or if the remote control unit is not pointed directly at the remote sensor.

The remote control unit can be operated at a horizontal angle of up to 30 degrees with respect to the remote sensor. It may be difficult to operate the remote control unit if the remote sensor is exposed to direct sunlight or strong artificial light. Do not press buttons on the main unit and remote control unit simultaneously. Doing so may result in malfunction. Neon signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible.

Manual search (forward and reverse) Stop Play Auto search (to beginning of track) Pause (for CD changers only) 10 Key The included remote control unit can be used to operate devices of different brands by registering the preset number corresponding to the brand of your device. For some models the remote control unit or the device may not operate properly. In this case, use the learning function (page 33) to store your device's remote control signals in the included remote control unit. Rewind Fast forward Stop Forward Play Pause Reverse Play Switch between sides A and B 1 2 3 4 5 6 : : : : : Preset memory Learning setup System call Punch through Light setup Reset : Tuning up/down : Switch between AM and FM bands MODE : Switch between AUTO and MANUAL MEMORY : Preset memory SHIFT : Switch preset channel range CHANNEL +, : Preset channel up/down CHA~G : Preset channel range 1~8 : Preset channel RDS : RDS search TUNING +, BAND Press the Mode button for the component you want to preset, then press ENTER button. Referring to the included List of Preset Codes, use the number buttons to input the preset code (a 4-digit number) for the manufacturer of the component whose signals you want to store in the memory.

"OK" is displayed when the signals are registered and the mode is terminated. "FAIL" is displayed when the signals are not registered, repeat steps 1 to 5. To store the codes of another component in the memory, repeat steps 1 to 5. Manual search (forward and reverse) Stop Play Auto search (to beginning of track) Pause 10 Key Depending on the model and year of manufacture, this function cannot be used for some models, even if the your device is listed on the included list of preset codes. Some manufacturers use more than one type of remote control code. refer to the included list of preset codes to change the number and check it out. The preset codes are as follows upon shipment from the factory and after resetting: TV, VCRI . For the DVD player remote control buttons, function names may differ according to manufacturer. Some models cannot be operated with this remote control unit. ,°, 0, 1 ENTER AUDIO DISPLAY SUBTITLE ANGLE 0~9, +10 : Power on : Power off (DENON DVD only) : Manual search (forward and reverse) : Stop : Play : Auto search (to beginning of track) : Pause : Disk skip (for DVD changers only) : Setup : Top menu : Menu : Return : Cursor up, down, left and right : Enter : Switch the audio language : Display : Switch the subtitle : Switch the angle : 10 key SOURCE ON 6, 7 2 1 8, 9 3 0~9, +10 : Power on/Standby : Manual search (forward and reverse) : Stop : Play : Auto search (cue) : Pause : 10 key : Power on/Standby : Manual search (forward and reverse) : Stop : Play : Pause : 10 key Power on/Standby Setup Top menu Menu Return Cursor up,down,left and right Enter Switch display Switch channels +, 10 key Switch between TV and video player Volume up/down If your AV component is not a DENON product or if it cannot be operated using the preset memory, it can be controlled with the accessorious remote control unit by storing its remote control signals in the remote control unit.

For some remote control signals it is not possible to "learn" the signals or the device will not operate properly. In such cases use the remote control unit included with the device to operate it. The accessorious remote control unit is equipped with "system call" function allowing a series of remote control signals to be transmitted by pressing a single button. This function can be used for example to turn on the amplifier's power, select the input source, turn on the monitor TV's power, turn on the source component's power and set the source to the play mode, all at a signal button.



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(1) System call buttons Up to 12 signals each can be stored at the "CALL1" ~ "CALL6" buttons. The System Call function can be used in the "AMP", "ZONE2", and "ZONE3" modes. Press the Mode button for the component you want to learned, then press the ENTER button. The display will go off and the unit will enter the learning standby mode. Other keys can be "learned" by repeating steps 5 to 6. Press the Mode button for the component you want to register at the system call button, then press the ENTER button.

Point the remote control units directly at each other and press and hold in the button on the other remote control unit which you want to "learn". Other remote control unit The remote control signals of the buttons pressed while registering the system call signals are emitted, so be careful not to operate the components accidentally (cover the remote sensors, for example). If you exceed the number of signals that can be registered, There will be a changeover to the System Call registration screen. Press the button at which the system call signals have been stored. (1) Punch through button Buttons used in the CD, CDR, MD, TAPE, DVD, DVDR, VDP, VCR1 and VCR2 modes can be assigned to the buttons shown on the diagram at the right which are not normally used in the AMP, ZONE2, ZONE3, TV, DBS and CABLE modes.

For example, when the CD mode is set to the punch through mode in the AMP mode, the CD mode's PLAY, STOP, MANUAL SEARCH, AUTO SEARCH, PAUSE and DISC SKIP buttons' signals are sent in the AMP mode. Press the mode button for the component you want to make the punch through setting, then press the ENTER button. Press the mode button for the component you want to punch through, then press the ENTER button. Press the mode button you want to resetting, then press the ENTER button. Press the mode button you want to resetting, then press the ENTER button.

: Resetting the preset memory 2 : Resetting the "Learned" buttons 3 : Resetting the system call 4 : Resetting the punch through setting +10 : All reset function (factory default) 1 The mode buttons that were set in preset memory will all light. When resetting the preset memory of a specific device. Press the mode button you want to resetting, then press the ENTER button. Press the button you want to resetting, then press the ENTER button. (only when operating with the remote control unit) To select the input source when ZONE2/ZONE3/REC OUT or TUNING PRESET is selected, press the SOURCE button then operate the input function selector. Set the power switch to this position to turn the power on and off from the included remote control unit. £ OFF The power turns off and indicator is off. @@Turn on the power Press the POWER ON/STANDBY switch (button). When pressed, the power turns on and the display lights. @@@@Use this mode to play Dolby Digital signals.

@@@@@The volume level is displayed on the master volume level display. @@@@ 5 dB. @@@@When playing DTS-compatible sources, be sure to connect the source component to the digital input jacks (OPTICAL/COAXIAL) and set the input mode to "DTS". In play modes other than the external input mode, the signals connected to these jacks cannot be played. In addition, signals cannot be output from channels not connected to the input jacks. The external input mode can be set for any input source. To watch video while listening to sound, select the input source to which the video signal is connected, then set this mode. Indicator lights when digital signals are being input properly. if the DIG. Indicator does not light, check whether the digital input component setup (page 23) and connections are correct and whether the component's power is turned on.

AL24 processing is activated when PCM signals are played while the surround mode is set to PURE DIRECT, DIRECT, STEREO, MULTI CH DIRECT or MULTI CH IN. Indicator will light when playing CDRoms containing data other than audio signals, but no sound will be heard. [1] Adjusting the sound quality (TONE) The tone control function will not work in the PURE DIRECT and the DIRECT mode. PURE DIRECT mode In this mode, the music is played with an extremely high level of sound quality. When this mode is set, all the video-related circuits are turned off so that music signals can be reproduced with high quality.

When an analog mode is selected, the digital processing circuitry is also turned off to achieve analog sound with even higher purity. DIRECT mode Use this mode to achieve good quality 2channel sound while watching images. In this mode, the audio signals bypass such circuits as the tone circuit and are transmitted directly, resulting in good quality sound. If you do not want the bass and treble to be adjusted, turn on the tone defeat mode. The signals do not pass through the bass and treble adjustment circuits, providing higher quality sound.

Using this mode, the DSD (2channel/MULTI-channel) signal can be reproduced with high quality. STEREO mode Use this mode to adjust the tone and achieve the desired sound while watching images. The pre-out output (including the speaker output) is automatically turned off when headphone are connected. NOTE: To prevent hearing loss, do not raise the volume level excessively when using headphone. , the unneeded video circuitry can be turned off by selecting the "VIDEO OFF" setting. The system setup function cannot be used when the PURE DIRECT mode is set. The channel level and surround parameters in the PURE DIRECT mode are the same as in the DIRECT mode. When the PURE DIRECT button is pressed while in the PURE DIRECT mode, the PURE DIRECT mode is cancelled. The subwoofer's channel level must be set to "OFF" in order to turn off the digital circuit in the PURE DIRECT mode. [4] Combining the currently playing sound with the desired image [6] Switching the surround speakers Simulcast playback Use this switch to monitor a video source other than the audio source.

Press the VIDEO SELECT button, turn the FUNCTION knob until the desired source appears on the display. This operation is possible when the setting for using both surround speakers A and B is made at "Speaker Config" in the System Setup Menu. Playing one source while recording another (REC OUT mode)

Also, the unit's operating status can be checked during playback by (Remote control unit) pressing the remote control unit's ON SCREEN button. With "ZONE2 SOURCE" displayed, turn the FUNCTION knob until "RECOU SOURCE" appears on the display. (Main unit) With "RECOU SOURCE" displayed, turn the FUNCTION knob to select the source you wish to record. When the FUNCTION goes around, it turn to the "REC" indicator and the indicator of the selected source light. Descriptions of the unit's operations are also displayed on the front panel display. In addition, the display can be switched to check the unit's operating status while playing a source by pressing the STATUS button.



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Recording sources other than digital inputs selected in the REC OUT mode are also outputted from the Zone2 preout jacks. Digital signals are not outputted from the analog REC OUT jacks.

When the outputs of the "ZONE2 (ZONE3)" OUT terminals are wired and connected to integrated amplifiers installed in other rooms, different sources can be played in rooms other than the main zone in which this unit and the playback devices are installed. MULTI ZONE SPEAKER OUT can be used when "ZONE3" is selected at System Setup Menu "Power Amp Assign". In this case, Surround Back Speaker OUT cannot be used for MAIN ZONE. (See page 26.) To control playback devices other than the ones above, either use that device's remote control unit or preset a separately sold programmable remote control unit.

NOTES: - For the AUDIO output, use high quality pin-plug cords and wire in such a way that there is no humming or noise. When the PURE DIRECT, VIDEO OFF mode is set for the main zone, no signals are output to the ZONE2 video terminals. Signals are output from the ZONE2 video terminals even when ZONE2 is set to "OFF". [2] Multi-zone playback using the ZONE2 PREOUT and MULTI ZONE3 terminals 2 When using the SURR. ZONE2/ZONE3 preout and speaker out can be used when "ZONE3" is selected at System Setup Menu "Power Amp Assign".

In this case, Surround Back PREOUT and speaker out cannot be used for MAIN ZONE. The AVR-3805 is equipped with preout terminals for which the volume is adjustable (ZONE 2, MULTI ZONE) and speaker out terminals for which the volume is adjustable (MULTI ZONE) and fixed output level as the ZONE3 output terminals and composite video output terminals as the ZONE2 output terminals. (1) System configuration and connections example. Using external amplifier as the ZONE2 and using this unit's internal amplifier as the ZONE3. (2) System configuration and connections example. Using this unit's internal amplifier as the ZONE2 and using external amplifier as the ZONE3. [1] Multi-zone playback using the ZONE2 PREOUT and ZONE3 FIXED-OUT terminals 2 When using the SURR. bACK/MULTI ZONE amplifier as the SURROUND BACK. The AVR-3805 is equipped with pre-out terminals for which the volume is adjustable (ZONE2) and composite video output terminals as the ZONE2 output terminals and fixed output level as the ZONE3 output terminals. Center This unit Before playing with the surround function Before playing with the surround function, be sure to use the test tones to adjust the playback level from the different speakers.

This adjustment can be performed with the system setup (see page 20) or from the remote control unit, as described below. Adjusting with the remote control unit using the test tones is only possible in the "Auto" mode and only effective in the STANDARD (DOLBY/DTS SURROUND) modes. The adjusted levels for the different modes are automatically stored in the memory. With "ZONE2 SOURCE" displayed, turn the FUNCTION knob and select the source you wish to output. The signals of the source selected in the ZONE2 mode are also output from the VCR-1, VCR-2 and CDR/TAPE recording output jacks. Digital signals are not output from the ZONE3, audio (FIXED-OUT) output jacks and ZONE2 audio output jacks. Test tones are output from the different speakers. ZONE3 can also be set with a method similar to the above. [2] Remote control unit operations during multi-source playback (selecting the input source) This operation is not possible in the REC OUT mode. After adjusting using the test tones, adjust the channel levels either according to the playback sources or to suit your tastes, as described below.

The output level of the ZONE2 OUT terminals can be controlled using the VOLUME + and - buttons on the remote control unit. The output level of ZONE2 (Remote control unit) OUT can be controlled only if ZONE2 vol. ZONE 3 can also be set with a method similar to the above. When the ZONE2 SOURCE function is set to TUNER, the preset channel can be selected using the CHANNEL + and - buttons on the remote control unit. The main zone output can be turned on and off "SOURCE ON/OFF" button (AMP mode) When the surround back speaker setting is set to "1spkr" for "Speaker Configuration", this is set to "SB".

The sound from the subwoofer can be cut by lowering the SW (subwoofer) setting one step from 12 dB (setting it to "OFF"). This function makes it possible to lower the volume of the front channels (FL, C and FR) or the rear channels (SL, SR, SBL and SBR) together. Use it for example to adjust the balance of the sound from each position when multi-channel music sources are played. Play a program source with the mark. The channel switches in the order shown below each time this button is pressed.

The PLIIx mode is set when the "SB CH OUT" surround parameter is set to "ON", and the PLII mode is set when this parameter is set to "OFF". This is only displayed when setting the fader control. The channel whose channel level is adjusted lowest can be faded to 12 dB using the fader function. If the channel levels are adjusted separately after adjusting the fader, the fader adjustment values are cleared, so adjust the fader again. The Dolby Surround Pro Logic II Cinema, Music or Game mode can be chosen directly by pressing the CINEMA, MUSIC or GAME button on the remote control unit during playback in the Dolby Pro Logic IIx mode. When set with the on-screen display using the remote control unit while in the MUSIC mode, set the " " mark to "OPTION 0" using the D and H cursor buttons, then press the F cursor button. The AVR-3805 sets the mode automatically according to the types of speakers set during the system setup process (page 18). The Cinema mode is for use with stereo television shows and all programs encoded in Dolby Surround. The game mode can only be used with 2-channel audio sources. select one of the modes ("Cinema", "Music", "Pro Logic" or "Game").

Panorama Control: This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging. select "OFF" or "ON". Dimension Control: This control gradually adjust the soundfield either towards the front or towards the rear. The control can be set in 7 steps from 0 to 6. Center Width Control: This control adjust the center image so it may be heard only from the center speaker; only from the left/right speakers as a phantom image; or from all three front speakers to varying degrees. The control can be set in 8 steps from 0 to 7. The DTS NEO:6 Cinema or Music mode can be chosen directly by pressing the CINEMA or MUSIC button on the remote control unit during playback in the DTS NEO:6 mode. When "Default" is selected and the CURSOR left button is pressed, "MODE" and "TONE" are automatically reset to the default values and "CINEMA EQ" is set to "OFF".



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