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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVC-A11XV. You'll find the answers to all your questions on the DENON AVC-A11XV in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual DENON AVC-A11XV
User guide DENON AVC-A11XV
Operating instructions DENON AVC-A11XV
Instructions for use DENON AVC-A11XV
Instruction manual DENON AVC-A11XV

DENON

AV SURROUND AMPLIFIER

AVC-A11XV

OPERATING INSTRUCTIONS
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
ISTRUZIONI PER L'USO
INSTRUCCIONES DE OPERACION
GEBRUIKSAANWIJZING
BRUKSANVISNING



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Manual abstract:

@@@ - Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere. · Mantenga el equipo libre de humedad, agua y polvo. · Laat geen vochtigheid, water of stof in het apparaat binnendringen. · Utsätt inte apparaten för fukt, vatten och damm. The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.** · **DECLARATION OF CONFORMITY** We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards: EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3. @@@@ - D'après les dispositions de la Directive 73/23/EEC, 89/336/EEC et 93/68/EEC. · **DICHIARAZIONE DI CONFORMITÀ** Dichiariamo con piena responsabilità che questo prodotto, al quale la nostra dichiarazione si riferisce, è conforme alle seguenti normative: EN60065, EN55013, EN55020, EN61000-3-2 e EN61000-3-3.

In conformità con le condizioni delle direttive 73/23/EEC, 89/336/EEC e 93/68/EEC. · **DECLARACIÓN DE CONFORMIDAD** Declaramos bajo nuestra exclusiva responsabilidad que este producto al que hace referencia esta declaración, está conforme con los siguientes estándares: EN60065, EN55013, EN55020, EN61000-3-2 y EN61000-3-3. Siguiendo las provisiones de las Directivas 73/23/EEC, 89/336/EEC y 93/68/EEC. ·

EENVORMIGHEIDSVERKLARING Wij verklaren uitsluitend op onze verantwoordelijkheid dat dit produkt, waarop deze verklaring betrekking heeft, in overeenstemming is met de volgende normen: EN60065, EN55013, EN55020, EN61000-3-2 en EN61000-3-3. Volgens de bepalingen van de Richtlijnen 73/23/EEC, 89/336/EEC en 93/68/EEC.

· **ÖVERENSSTÄMMELSEINTYG** Härmed intygas helt på eget ansvar att denna produkt, vilken detta intyg avser, uppfyller följande standarder: EN60065, EN55013, EN55020, EN61000-3-2 och EN61000-3-3. Enligt stadgarna i direktiv 73/23/EEC, 89/336/EEC och 93/68/EEC. · Avoid high temperatures. Allow for sufficient heat dispersion when installed on a rack. · Vermeiden Sie hohe Temperaturen.

Beachten Sie, daß eine ausreichend Luftzirkulation gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird. · Eviter des températures élevées Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. · Evitate di esporre l'unità a temperature alte. Assicuratevi che ci sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio. · Evite altas temperaturas Permite la suficiente dispersión del calor cuando está instalado en la consola. · Vermijd hoge temperaturen. Zorg voor een degelijk hitteafvoer indien het apparaat op een rek wordt geplaatst. · Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack. · Do not let foreign objects in the set.

· Keine fremden Gegenstände in das Gerät kommen lassen. · Ne pas laisser des objets étrangers dans l'appareil. · E' importante che nessun oggetto è inserito all'interno dell'unità. · No deje objetos extraños dentro del equipo. · Laat geen vreemde voorwerpen in dit apparaat vallen. · Se till att främmande föremål inte tränger in i apparaten. · Handle the power cord carefully. Hold the plug when unplugging the cord. · Gehen Sie vorsichtig mit dem Netzkabel um. Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen.

· Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. · Maneggiare il filo di alimentazione con cura. Agite per la spina quando scollegate il cavo dalla presa. · Maneje el cordón de energía con cuidado.

Sostenga el enchufe cuando desconecte el cordón de energía. · Hanteer het netsnoer voorzichtig. Houd het snoer bij de stekker vast wanneer deze moet worden aan- of losgekoppeld. · Hantera nätkablen varsamt. Håll i kablarn när den kopplas från el-uttaget.

· Unplug the power cord when not using the set for long periods of time. · Wenn das Gerät eine längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker. · Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. · Disinnestate il filo di alimentazione quando avete l'intenzione di non usare il filo di alimentazione per un lungo periodo di tempo. · Desconecte el cordón de energía cuando no utilice el equipo por mucho tiempo. · Neem altijd het netsnoer uit het stopcontact wanneer het apparaat gedurende een lange periode niet wordt gebruikt. · Koppla ur nätkablarn om apparaten inte kommer att användas i lång tid. · Do not let insecticides, benzene, and thinner come in contact with the set. · Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen. · Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.

· Assicuratevi che l'unità non venga in contatto con insetticidi, benzolo o solventi. · No permita el contacto de insecticidas, gasolina y diluyentes con el equipo. · Laat geen insektenverdelgende middelen, benzine of verfverdunder met dit apparaat in kontakt komen. · Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje. * (For sets with ventilation holes) · Do not obstruct the ventilation holes. · Die Belüftungsöffnungen dürfen nicht verdeckt werden. · Ne pas obstruer les trous d'aération. · Non coprite i fori di ventilazione. · No obstruya los orificios de ventilación. · De ventilatieopeningen mogen niet worden beblokkeerd.

· Tapp inte till ventilationsöppningarna. · Never disassemble or modify the set in any way. · Versuchen Sie niemals das Gerät auseinander zu nehmen oder auf jegliche Art zu verändern.



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· Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. · Non smontate mai, nè modificate l'unità in nessun modo.
· Nunca desarme o modifique el equipo de ninguna manera. · Nooit dit apparaat demonteren of op andere wijze modifiëren. · Ta inte isär apparaten och försök inte bygga om den. CAUTION · 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.
· Please be care the environmental aspects of battery disposal. · The apparatus shall not be exposed to dripping or splashing for use. · No objects filled with liquids, such as vases, shall be placed on the apparatus. ENGLISH DEUTSCH FRANCAIS ITALIANO ESPAÑOL NEDERLANDS SVENSKA 2 System setup menu / Systemsetup-Menü/ Menu de configuration système / Menu di configurazione del sistema / Menú System Setup / System Setup-menu / Systeminställningsmeny CH SEL ENTER CH SEL ENTER page 8 ~11 page 57 page 58 page 58 CH SEL ENTER page 53 page 53, 54 page 54 page 54, 55 page 55, 56 page 56 page 56, 57 CH SEL ENTER page 47 page 47 page 47 page 48 CH SEL ENTER page 42 page 42 page 43 page 43 page 43, 44 page 44 CH SEL ENTER page 49 page 49, 50 page 50 page 51 page 51 page 52 page 52 CH SEL ENTER page 44, 45 page 45 page 45 page 46 page 46 page 46 ENGLISH Getting Started DENON original surround modes Surround modes and their features29 DSP surround simulation.....30 Tone control setting · Adjusting the tone31 · Tone defeat mode31 Channel level31 Fader function32 Advanced Operation Remote control unit Operating DENON audio components.....32, 33 Preset memory&mit;.....38 Remote control unit operations during multi-source playback.....39 Other function Playing Super Audio CDs with an IEEE1394 cable·de45 Setting the HDMI Out Setup46 Setting the Audio Delay46 Setting the On Screen Display (OSD)46 Advanced Playback Setting the 2ch Direct / Stereo47 Setting the Dolby Digital Setup.....47 Setting the Auto Surround Mode.....47, 48 Setting the Manual EQ Setup48 Procedure for copying the "Flat" correction curve48 Option Setup Setting the Channel Setup49 Setting the Power Amplifier Assignment49, 50 Setting the Volume Control50 Setting the Trigger Out.....51 ZONE2 and ZONE3 tone control and channel level setting51 Setting the Digital Out Assignment52 User Memory52 Setup Lock52 Advanced Setup Part 2 Speaker Setup Setting the type of speakers.....53 Setting the low frequency distribution.....53, 54 Setting the Delay Time.....54 Setting the Channel Level.....54, 55 Setting the Crossover Frequency55, 56 Setting the crossover frequency individually for the different channels.....56 Selecting the surround speakers for the different surround modes.....56 Settings for using a THX Ultra2 compatible subwoofer56, 57 Surround back speaker position settings57 Others Setup Setting the Room EQ Setup57 Setting the Direct Mode Setup58 Setting the MIC Input Select58 Check the parameter.....58 System setup items and default values59 ~ 61 Troubleshooting62 Additional information.....63 ~ 75 Specifications76 Getting Started Contents Getting Started Accessories2 Before using.....2 Cautions on installation2 Cautions on handling.....2 Preparing the remote control unit2 Inserting the batteries3 Operating range of the remote control unit3 Part names and functions Front panel3 Display.....4 Remote control unit4 Easy Setup and Operation Easy to setup flow5 Speaker system layout5 Speaker connections6 Connecting a DVD player and monitor TV.....7 Auto Setup / Room EQ.....8 Connecting a microphone8 Turning on the power9 Starting Auto Setup.....9 Extra Setup.....9 Preliminary measurements9, 10 Speaker system measurement10 Check of the measurement result11 About the error message11 Playing a DVD with surround sound11 Connecting Other Sources Cable indications.....12 The video conversion function12 On screen display for component video outputs and HDMI output.....13 Connecting equipment with HDMI (High-Definition Multimedia Interface) terminals [To convert analog video signals to HDMI signals].....13 Connecting a TV tuner13 Connecting a DBS tuner13 Connecting the external inputs (EXT).



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IN) terminals	14	Connecting a video camera component or video game component.....	14	Connecting a DVD recorder	14	Connecting a VCR	15	Connecting a CD player.....	15	Connecting a turntable.....	15	Connecting a CD recorder or MD recorder.....	15	Connecting a tape deck	16	DENON LINK connections	16	Connecting equipment with HDMI (High Definition Multimedia Interface) terminals	16	Connecting equipment with DVI (Digital Visual Interface) terminals.....	17	Connecting IEEE1394 devices	17	Connecting the CONTROL terminals	18	Connecting the TRIGGER OUT terminals	18	Connecting the MULTI ZONE terminals ZONE2 (or ZONE3) pre-out connections.....	18	ZONE2 / ZONE3 speaker out connections	19	Connecting the pre-out terminals	19	Connecting the power supply cord.....	19	Basic Operation Playback Operating the remote control unit	20	Playing the input source	20	Playback using the external input (EXT. IN) terminals.....	21	Turning the sound off temporarily (MUTING).....	21	Listening over headphone.....	21	Combining the currently playing sound with the desired image (VIDEO SELECT)	21	Switching the surround speakers.....	21	Checking the currently playing program source, etc.	21	Input mode.....	21, 22	Room EQ function.....	22	Surround Playing modes for different sources	23	Playing audio sources (CDs and DVDs) 2-channel playback modes	24	THX surround EX / Home THX cinema mode · Playing sources recorded in Dolby Surround in the Home THX cinema surround mode	24	To play in the THX surround EX / Home THX cinema surround mode for sources recorded in Dolby Digital or DTS	25	Dolby Digital mode and DTS surround.....	26	Dolby Pro Logic IIx (Dolby Pro Logic II) mode ·	27	DTS NEO:6 mode.....	28	The Dolby Headphone.....	28	Memory and call-out functions (USER MODE function).....	29	1 ENGLISH ENGLISH Getting Started Getting Started Cautions on installation Thank you for choosing the DENON AVC-A11XV Digital Surround A / V amplifier.
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2 ENGLISH ENGLISH Getting Started Getting Started Inserting the batteries q Remove the remote control unit's rear cover. Part names and functions Notes
 on Batteries: · 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.) · When inserting the batteries, be sure to do so in the proper direction, following the "<" and ">" marks in the battery
 compartment. · To prevent damage or leakage of battery fluid: · 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. · 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. Front panel For details on the functions of these parts, refer to the pages given in parentheses ().
 !5 !4 !3 !2 !1 !0 w Set four R03/AAA batteries in the battery compartment in the indicated direction. e Put the rear cover back on. !6 !7 !8 !9 @0 @1 @2 @3
 @4 @5 @6 @7 @8 @9 #0 #1 #6 #5 #4 #3 #2 qw e q w e r t y u i o !0 !1 !2 !3 !4 !5 !6 !7 !8 2 Motion sensor The RC-995 remote control is equipped with a
 motion sensor that activates the backlighting function when it is picked up and/or handled. Occasionally, you might hear a faint "clicking" sound from within,
 this is the motion sensor, and is a normal condition. r !9 @0 @1 @2 @3 @4 @5 @6 @7 @8 @9 #0 #1 #2 #3 #4 #5 #6 t y uio Power ON/STANDBY switch

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.....

(9) Power indicator.....

.....

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.....

.....

.....(9) Power switch ..

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...(9, 40) Headphones jack (PHONES)

.....

.....

...(21) V. AUX INPUT terminals .

.....

.....

.....

.....

(14) SETUP MIC jack

.....

.....

.....

.....

.....(8) USER MODE 1 button ...

.....

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.....

.....

...(29) USER MODE 2 button ...

.....

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.....

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...(29) USER MODE 3 button ...

.....

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...(29) MASTER VOLUME control knob

.....
(20) MultEQ XT indicator.....
.....
.....

.....
.....
...(22) Master volume indicator..
.....

.....
.....
....(20) Display .
.....

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

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

.....
.....
.....
.....
(4) Remote control sensor.....

.....
.....
.....
.....
.....(3) FUNCTION knob ...

.....
.....
.....
.....
.....(20, 38, 40) SOURCE button .

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

.....
.....
.....
.....
....(20) ZONE2 SELECT button.

.....
.....
.....
.....
...(38) ZONE3/REC SELECT button ..

.....
.....
.....
.....
.....(38, 40) PURE DIRECT button...

.....
.....
.....
.....
....(24) DIRECT/STEREO button.

.....
.....
.....
.....
.....(24) STANDARD button....

.....
.....

.....
...(26 ~ 28) HOME THX CINEMA button ..

.....

.....(24, 25) 7CH STEREO button ...

.....

.....

.....

.....

.....

(30) DSP SIMULATION button

.....

.....

...(30) CH SELECT/ENTER button .

.....

.....

.(9, 31, 32) SURROUND BACK button

.....

.....

.....(25) SURROUND PARAMETER button .

.....

.....

(24) TONE DEFEAT button.....

.....

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.(31) DIMMER button

.....

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.....

.....

.....(21) STATUS button

.....

.....

.....

.....

.....

.....

..(21) ROOM EQ button.....

.....

.....

.....

.....

.....(22) CURSOR button

.....

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.....

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..(9) SYSTEM SETUP button

.....

.....

.....

.....(9) EXT. IN button...

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.....
.....

(21) ANALOG button.....

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

(22) INPUT MODE button

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.....

.(21, 22) Operating range of 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. NOTE: · 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.



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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. 30° 30° Approx. 7 m 3 ENGLISH ENGLISH Getting Started Getting Started Display Remote control unit For details on the functions of these parts, refer to the pages given in parentheses ().

!3 !2 !1 !0 o i u y Power buttons

.....(9) Remote control signal transmitter

.....

.....

..(3) System buttons ...

.....(39) Mode selector buttons ..

.....

.....

.....

.....

.(20, 32) Input source button

.....

.....

.....

....(20, 32) Surround mode button

.....

.....

.....

.....(20, 32) Number/SYSTEM CALL button...

.....

.....

.....(20, 32) qw q Input signal indicator e i IEEE1394 indicator rt This lights during playback in a IEEE1394 connection.

The respective indicator will light corresponding to the input signal. w Input signal channel indicator The channels included in the input source will light. This lights when the digital signal is inputted. o Multi (zone) indicator ZONE3 mode is selected in ZONE3/REC SELECT. e Information display This displays the surround mode, function name or setting value, etc. !0 Recording output source indicator REC OUT mode is selected in ZONE3/REC SELECT. System buttons...(32 ~ 35) r Output signal channel indicator The audio channels that can be output light.

!1 DENON LINK indicator This lights during playback in a DENON LINK connection. Cursor buttons....

.....

.....(9) t Speaker indicator This lights corresponding to the settings of the surround speakers of the various surround modes. !2 AL24 indicator The AL24 indicator lights when the PURE DIRECT, DIRECT, STEREO, MULTI CH PURE DIRECT, MULTI CH DIRECT, MULTI CH IN mode is selected in the PCM input signal. Tuner system buttons ..

.....

.....

.....

.....

.....(33) ROOM EQ button ...

.....

(22) SYSTEM SETUP button

.....

.....

.....

.....

.....(9) System buttons...(32 ~ 35) Muting button .

.....(21, 39) Tuner system buttons

.....

.....

.....

.....

.....

(32) VIDEO SELECT button

.....

.....
.....
.....
....(21) Input mode selector buttons

.....
....(21, 22) RC-995 y Decoder indicator This lights when each decoder is operating.
Master volume control buttons

.....
.....(20, 39) CH SELECT/ENTER button

.....
.....
.....
... (9, 31, 32) ON SCREEN button

.....
.....
.....
.....(21, 25) SURROUND PARAMETER button....

.....
.....
.....
....(24) u Master volume indicator This displays the volume level. The Setup item number is displayed in System Setup. !3 Input mode indicator This lights corresponding to the setting of the input mode. SPEAKER button ...

.....
..(21) TEST TONE button ...

...(55) NOTE: · With the AVC-A11XV, the "Z4", "VCR4", "AUX", "RDS", "M.SEL" and "SCALE" buttons cannot be used. · The AVC-A11XV's 7CH STEREO surround mode can be operated using the "9CH" button. · For instructions on setting the remote control unit back light's lighting time (page 36). 4 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation · This section contains the basic steps necessary to configure the AVC-A11XV according to your listening room environment and the source equipment and loudspeakers you are using. · For optimum performance, we recommend using the Auto Setup function. · If you wish, you can set the various settings manually without using Auto Setup (page 53 ~ 57).

Speaker system layout 2 Basic system layout (For a THX Ultra2 system) 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 Easy to setup flow Placing the speakers Surround back speaker systems Auto setup flow Connecting a microphone Connecting the speakers Preliminary measurement Connecting a monitor and a DVD player 1) Measuring the background noise (noise in the room) 2) Determining whether or not speakers are connected 3) Checking the polarities of the speakers Starting the Auto Setup The measurement of the speakers in the main listening position 1) 2) 3) 4) 5) Speaker Configuration Delay Time Channel Level Crossover Frequency Room EQ The measurement of the speakers in the 2nd to 8th listening position 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. Surround speaker systems Two surround back speakers are required to use the THX Ultra2 Cinema, THX Music mode and THX Games mode. Set the surround back speakers so that the distance to the listening position is the same for both the left and right speakers. It is also recommended that the deviations of the distance from the listening position to L and R channel speakers (front left (FL) and front right (FR), surround left (SL) and surround right (SR), surround back left (SBL) and surround back right (SBR)) is less than 60 cm (2 ft). With the AVC-A11XV it is also possible to use the surround speaker selector function to choose the best layout for a variety of sources and surround modes. Playing a DVD with surround sound 2 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). The settings of the different speakers (A only, B only or A+B) are stored in the memory for the different surround modes, so they are set automatically when the surround mode is selected. Check of the measurement result Store the measurement result in the memory A A A A B SB SB B B SB SB B (SB : Surround back speakers) Using A only (Multi surround speaker system) Using B only (Single surround speaker system) 5 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation Speaker connections · 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 cable come in contact with adjacent terminals, with other speaker cable conductors, or with the rear panel.

NOTE: NEVER touch the speaker terminals when the power is on. Doing so could result in electric shocks. 2 Connections Protector circuit 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 short-circuited 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 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.



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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 AVC-A11XV can be configured for 10 speaker playback using two pairs of surround speakers (A+B) and one pair of surround back speakers as shown below. · The output of each power amplifier can be assigned to any desired channel to best suit the application.

For details, refer to "Setting the Channel Setup" and "Setting the Power Amplifier Assignment" (page 49, 50). · When making connections, also refer to the operating instructions of the other components. Front right speaker Center speaker Front left speaker Subwoofer (R) > < > < Connection terminal for subwoofer with built-in amplifier (subwoofer), etc. IN (L) < > Surround right speaker (A) Surround left speaker (A) 2 Speaker Impedance · Speakers with an impedance of from 6 to 16 ohms can be connected for use as front, center, surround and surround back 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. Connecting the speaker cables 1. Loosen by turning counterclockwise. Either tightly twist or terminate the core wires. 2.

Insert the cable. (R) > < < (L) > Note on speaker impedance 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. (R) > < > (R) < < (L) > < (L) > 3. Tighten by clockwise. turning Surround right speaker (B) Surround back right speaker Surround back left speaker Surround left speaker (B) · 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. NOTE: · When using only one surround back speaker, connect it to left channel. 6 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation · For best picture quality (especially with progressive DVD and other high definition sources) choose the component video connection to your monitor TV.

S-Video and composite video outputs are also provided if your TV does not have component video inputs. Connecting a DVD player and monitor TV · To connect the video output from the DVD player to the AVC-A11XV, you only need to choose one connection type. Component video connection offers the best quality (and is required for progressive DVD playback), followed by S-Video, while composite video offers the lowest picture quality of the three connection types. For more information about the video up conversion function (page 12). · The AVC-A11XV is equipped with HDMI connectors, so it can be connected to a DVD player or monitor TV using an HDMI cable.

To connect it to a DVD player using a DVI-D cable (page 17). · To connect the digital audio output from the DVD player, you can choose from either the coaxial or optical connections. If you choose to use the optical connection, it needs to be assigned. For more information about Digital Input Assignment (page 42). · The AVC-A11XV is equipped with another set of input terminals for a non-DVD Video Disc Player (such as laser disc, VCD/SVCD, or future high definition disc player).

The above connection guidelines for DVD also apply to the VDP input. Monitor TV J COMPONENT VIDEO IN Y PB PR L HDMI IN H DVD player VIDEO IN J COMPONENT VIDEO OUT Y PB PR I S VIDEO IN L HDMI OUT H VIDEO OUT I S VIDEO OUT NOTE: · The component video input and/or output jacks may be labeled differently on some TVs, monitors or video components (Y, PB, PR; Y, CB, CR; Y, B-Y, R-Y). Check the owner's manuals for other components for further information. · The COMPONENT MONITOR OUT-1 and the COMPONENT MONITOR OUT-2 can be used simultaneously. · Audio signals are only output from the HDMI monitor out terminal when audio signals are input to the HDMI input terminal. · When connecting the AVC-A11XV and DVD player using an HDMI cable, also connect the AVC-A11XV and monitor TV using an HDMI cable (page 16). A L R L R AUDIO OUT L R D OPTICAL OUT C COAXIAL OUT Audio signal flow is shown with white arrows, white video signal flow is shown with gray arrows. 7 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation ON Auto Setup / Room EQ The Auto Setup and Room EQ 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. The AVC-A11XV's Audyssey MultEQ XT function has the feature that it provides the optimum listening environment at all listening positions in the home theater, where there are often multiple listeners viewing programs together. To achieve this, it is first necessary to use a microphone to measure test tones generated from the different speakers at the various listening positions.

All this measured data is analyzed with a unique method to comprehensively improve acoustic characteristics in the listening area. For optimum effectiveness, measurements should be performed at six or more points. Move the microphone successively within the listening area surrounded by the speakers as shown on the diagram below to measure the test tones. When listening to music or viewing movies with the whole family, move the microphone successively to the different positions in which the members of the family sit (" " on the diagram indicates the points of installation) and measure repeatedly (Example q). Even if the number of people using the home theater is small, taking multiple measurements at or near the listening positions makes it possible to correct the sound more effectively (Example w). The AVC-A11XV's Room EQ function offers three correction curves: "Audyssey", "Front" and "Flat". These can be selected after performing the auto setup procedure. Details of the different correction curves are described below. · Audyssey: This adjusts the frequency response of all speakers to correct the effects of room acoustics.



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· *Front*: This adjusts the characteristics of each speaker to the characteristics of the front speakers.

· *Flat*: This the frequency response of all speakers flat. This is suitable for multi-channel music reproduction, from discrete music sources such as Dolby Digital 5.1, DTS, DVD-Audio and Super Audio CD. 2 About the main listening position (*M) The main listening position is the point where a listener sits most often or the listening position when only one person is listening. Measurements on the AVC-A11XV start from this point.

Correction for the speaker distance ("Delay Time") is set based on this point. Example: q POWER ENTER SETUP MIC AMP ENTER CURSOR ON/STANDBY SETUP CURSOR SETUP Connecting a microphone *M 1 Connect the optional microphone for Auto Setup to the SETUP MIC jack on the front panel of the unit. Example: w When placing the microphone, adjust the height so that the microphone's sound receptor is at the height of the ears of the listener. Be sure that at the beginning, the measurement is started with the microphone set up at the main listening position. It is not possible to measure properly if there are any obstacles between the speakers and microphone.

Check that there are no obstacles. Please do not stand between or near the speakers and the microphone during the measurements. 2 *M Mount the auto setup microphone onto a camera tripod, etc., and place it at ear height at the main listening position in the listening room with the sound receptor facing the ceiling. NOTE: · Do not disconnect the microphone until the settings are completed. · Do not change the connection of speakers or the subwoofer's volume after performing these measurements. Microphone MEMO · To make the Speaker system settings without using the Auto Setup function (page 53 ~ 57). · When performing Auto Setup, an optional microphone is required for setup. 8 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation Turning on the power Starting Auto Setup Extra Setup The AVC-A11XV has seven available amplifier channels, some of which can be assigned for powering speakers in ZONE2 and ZONE3, depending on the speaker system complement in the main room. If this functionality is not needed, skip this "Extra Setup" procedure and proceed to "Preliminary Measurements" (page 9, 10).

Preliminary Measurements · This procedure is used to automatically determine the background noise, whether or not speakers are connected, and the polarities of the connected speakers. · To avoid affecting the measurements, turn off the air-conditioner or any other device that makes noise and take the measurements with the room as quiet as possible. 1 Turn on your subwoofer. 1 Press the SETUP button. · Display the "System Setup Menu". Set the volume to halfway and set the crossover frequency to the maximum or Low pass filter off if your subwoofer can adjust the output volume and the crossover frequency. Some subwoofers have a standby mode. Be sure to turn this function off before performing the Auto Setup procedure. 1 2 Press the CURSOR D or H button to select the "Auto Setup / Room EQ", then press the ENTER button. · Display the "Auto Setup / Room EQ" menu screen.

2 3 Press the CURSOR D or H button to select the "Extra Setup", then press the CURSOR F button. · Switch to the "Extra Setup" screen. 1 Turn on your monitor (TV). Press the CURSOR D or H button to select the "Start", then press the CURSOR F button. · Start the preliminary measurements. Press the POWER switch. € ON: The power turns on and the power indicator lights. 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. In this position, the power cannot be turned on and off from the remote control unit.

2 3 Press the CURSOR D or H button to select the "Auto Setup", then press the ENTER button. · Display the "Auto Setup" screen. Press the CURSOR D or H button to choose the setting you want to change, then press the ENTER button. · Switch to the setting screen. The screen shown at the below appears once the preliminary measurements are completed. 4 Press the ON/STANDBY switch on the main unit or ON button on the remote control unit. · When pressed, the power turns on and the display lights. · When pressed again, the power turns off, the standby mode is set and the display turns off. For instructions on making the "Channel Setup" settings (page 49). For instructions on making the "Setting the Power Amplifier Assignment" settings (page 49, 50).

The speakers measured with this Auto Setup procedure are based on the setting of these "Channel Setup" and "Power Amp Assign" functions. 2 Press the ENTER button. · Switch to the "Speaker Detect Check" screen. The sound is muted for several seconds, after which the unit operates normally. Whenever the ON/STANDBY button is in the standby state, the apparatus is still connected to the AC line voltage. Please be sure to turn off the POWER switch or unplug the cord when you leave home for, say, a vacation. The message "Connect Microphone" is displayed if no microphone is connected. If so, connect the auto setup microphone. 3 4 Once the settings are completed, press the ENTER button at the each setting screen. · The "Extra Setup" menu reappears.

Press the CURSOR D or H button to select the "Exit", then press the ENTER button. · Return to the "Auto Setup" screen. [First screen] 5 Press the AMP button to select the "AMP" (only when operating with the remote control unit). 9 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation 3 Check the results of the speaker detection, then press the ENTER button. · Switch to the second screen.

Speaker system measurement With these measurements, the "Speaker Configuration", "Delay Time", "Channel Level", "Crossover Frequency" and "Room EQ" are analyzed automatically. The main listening position is measured first, so leave the microphone where it is. 4 5 Perform step 2, 3 repeatedly. The more measurement points, the better the resulting room correction effect. We recommend a minimum of 6 measurement points 8 measurement points provides the best room correction effect.

1 [Second screen] Press the CURSOR D or H button to select the "OK Start", then press the CURSOR F button. · Measurements for the first point start. 4 If the check ends, press the ENTER button again. After measuring at the number of points according to your listening environment, press the CURSOR D or H button to select the "Calculate", then press the CURSOR F button.



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· The speaker system is analyzed. NOTE: · If the results are not as expected or if an error message is displayed, select "Retry" and perform the measurements again. (For details on the error messages (page 11).) If the results of remeasurement are still not as expected or if an error message is displayed, turn off the power switch and check the speaker connections. Then start the measurements again from the beginning. · Measurement is cancelled when MASTER VOLUME is operated while the Auto Setup is performed.

The screen shown at the below appears once the measurements for the main listening position are completed. The amount of time required for the analysis depends on the number of speakers and the number of measuring points. The greater the number of speakers and measuring points, the longer the time required. For example, for ten speaker systems and 6 measuring points, the calculations require approximately 6 minutes. Measurements can be ended when there are 5 or less measurement locations; however, to obtain better results, measurements at 6 or more locations is recommended. Once the calculations are completed, a screen for confirming the results of the measurements appears. 2 3 Next the measurements for the second point will be taken. Place the microphone at the second listening position. For instructions on the position in which the microphone should be placed (page 8). Press the CURSOR F button.

· Measurements for the second point start. 10 ENGLISH ENGLISH Easy Setup and Operation Easy Setup and Operation Check of the measurement result The results of the measured items can be checked. 5 Press the CURSOR F button. · After the data is stored, the "Auto Setup / Room EQ" menu screen appears automatically. Screen example Cause Measures 1 Press the CURSOR D or H button to select the items, then press the ENTER button.

· Switch to the verification screen. Example: Speaker Config. Check [First screen] · Sometimes due to the electrical complexities of subwoofers and the interaction with the room, THX recommends setting the level and the distance of the subwoofer manually. · Sometimes due to interaction with the room, you may notice irregular results when setting the level and/or distance of the main speakers. If this happens, THX recommends setting them manually.

· Please note that any THX main speakers should be set to Small (80 Hz). If you set up your speakers using Auto Setup, please make sure manually that any THX speakers are set to Small with 80 Hz crossover. q The speakers required for producing · Check that the pertinent speakers suitable reproduction have not been are properly connected. detected. · The front L and front R speakers were not properly detected. · Only one channel of the surround (A) and surround (B) speakers was 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. If multiple errors occur, press the CURSOR F or G button to check the contents. w The speaker polarity is connected in · Check the polarity of the pertinent speakers.

reverse. If multiple errors occur, press the CURSOR · For some speakers, the screen below may be displayed even F or G button to check the contents. though the speakers are properly connected. If so, select "Skip0". e There is too much ambient noise in the · Either turn off the power of the room and the measurements cannot be device that generated the noise during the measurements or made accurately. move the device away. · Try again at a time when it is quieter. r The sound level that is output from the · Check the placement and orientation of the loudspeakers. speakers and/or subwoofer is too low. · Adjust the subwoofer's output level.

t The measurement microphone is not · Connect the measurement connected, or all of speakers have not microphone to the microphone connector. been detected. · Check the speaker connection. 2 Press the ENTER button. · Switch to the second screen.

Example: Speaker Config. Check · 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. NOTE: · Do not turn off the power while the data is being stored. If the power is turned off while the data is being stored, the Room EQ parameters stored in the memory will be cleared, and it will not be possible to select the "Audyssey", "Front" or "Flat" equalizer settings. [Second screen] 3 4 If the check ends, press the ENTER button again.

Press the CURSOR D or H button to select whether or not to save the data you have checked. Store: Set with the checked measurement value. All parameters are stored up. Cancel: Cancel the auto setup settings. About the error message These error messages will be displayed when performing the measurements of Auto Setup 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. Be sure to turn off the AVC-A11XV's power before checking the speaker connections. Playing a DVD with surround sound 1 2 3 11 Disconnect the microphone from the unit. Select the input source to be played. 4 5 Start DVD playback.

Adjust the volume. Select the play mode. ENGLISH ENGLISH Connecting Other Sources Connecting Other Sources Cable indications The hookup diagrams on the subsequent pages assume the use of the following optional connection cables (not supplied). NOTE: · Connecting a LD (laser disc) player with a Dolby Digital RF Output. The AVC-A11XV does not have a DD RF demodulator function. Therefore, you need to use a commercially available outboard DD RF demodulator and connect its digital output to one of the AVC-A11XV available digital inputs. Refer to the demodulator's owner's manual for further information. Audio cable Video cable The video conversion function The AVC-A11XV is equipped with a function for up and down converting video signals. Because of this, the AVC-A11XV's MONITOR OUT terminal can be connected to the monitor (TV) with a set of cables offering a higher quality connection, regardless of how the player and the AVC-A11XV's video input terminals are connected. Generally speaking, analog video connections using the component video terminals offer the highest quality playback, followed by connections using the SVideo terminals, then connections using the regular video terminals (yellow).

The flow of the video signals. A Analog terminal (Stereo) L R L R H Video terminal (White) (Red) 2 The analog video to HDMI conversion function: · The AVC-A11XV's video up-conversion function lets you output analog video input signals (component 480i/576i, 480p/576p, 1080i or 720p; S-Video and composite video - 480i/576i) to the HDMI monitor output terminal with the original resolution.



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· The on screen display signals are output from the HDMI monitor output terminal with a resolution of 480i/576i. Because of this, if the monitor equipped with HDMI terminal is compatible with the 480i/576i resolution, all the signals the AVC-A11XV handles can be output to the monitor with a single HDMI cable. The resolutions with which the monitor is compatible can be checked using the STATUS button on the main unit or the ON SCREEN button on the remote control unit.

(Yellow) Video cable (75 ohms video pin-plug cable) Pin-plug cable B Analog terminal (Monaural, for subwoofer) I S video terminal Pin-plug cable S video cable C Digital terminal (Coaxial) J Component video terminal (Y) (PB/CB) (PR/CR) Component video cable (Orange) Coaxial cable (75 ohms pin-plug cable) (Green) (Blue) (Red) D Digital terminal (Optical) (HDMI / DVI-D terminals) (Component Video terminals) (HDMI terminal) (Component Video terminals) (S-Video terminal) K Optical cable (Optical fiber cable) DVI-D terminal · If the monitor equipped with HDMI terminal is not compatible with the 480i/576i resolution, connect the player and the AVC-A11XV using a component cable and set the player's resolution to one which the monitor can handle. · If you do not want to use the function for converting analog video signals to HDMI signals, select "OFF" for "Analog to HDMI Convert" at "Setting the HDMI Out Setup" (page 46). In this case, the function for video up conversion to the component video terminal operates. E DENON LINK terminal 24-pin DVI-D cable (S-Video terminal) Audio and Video cable (Video terminal) (Video terminal) L DENON LINK cable HDMI terminal This unit's input terminals This unit's output terminals F IEEE1394 terminal HDMI cable : only MAIN ZONE 480i/576i NOTE: · It is not possible to down-convert from HDMI and DVI-D input signals to the component, S-Video or composite video monitor output terminals. · Video down conversion to the MAIN ZONE's monitor output is only possible when the component video input resolution is 480i (interlaced standard definition video NTSC format, for North America) or 576i (interlaced standard definition video PAL format, for Europe and other countries).

· To change the setting of the video conversion mode for the MAIN ZONE (page 45). Signal direction 4-pin, S400 IEEE1394 cable Audio signal Video signal Speaker cable G Speaker terminal IN OUT OUT IN IN OUT OUT IN NOTE: · Do not plug in the Power supply cord until all connections have been completed. · When making connections, also refer to the operating instructions of the other components. · Be sure to connect the left and right channels properly (left with left, right with right). · Note that binding pin-plug cables together with Power supply cords or placing them near a power transformer will result in generating hum or other noise. 12 ENGLISH ENGLISH Connecting Other Sources Connecting Other Sources On screen display for component video outputs and HDMI output · When viewing component video signals or HDMI signals via the AVC-A11XV, the on screen display is displayed on the monitor when the "System Setup" operations are performed and when the remote control unit's ON SCREEN button is operated. · To view the on screen display using an HDMI monitor, set "Analog to HDMI Convert" at "HDMI Out Setup" to "ON" (default). · When only component video signals are input to the AVC-A11XV or when "Component" is selected at the "Setting the Video Convert Mode", the characters of the on screen display are not displayed over the picture. Connecting a TV tuner · For best picture quality choose the component video connection to your TV. S-video and composite video outputs are also provided if your TV does not have component video inputs.

· To connect the digital audio output from the TV, you can choose from either the coaxial or optical connections. If you choose to use the coaxial connection, it needs to be assigned. For more information about Digital Input Assignment (page 42). TV Connecting equipment with HDMI (High-Definition Multimedia Interface) terminals [To convert analog video signals to HDMI signals] · The AVC-A11XV is equipped with a function for converting analog video signals into HDMI signals. You can do this by either a component or a video or a S-video connection. · Audio signals are not output from the HDMI monitor output terminal, so also make analog or digital audio connections. To play sound using digital audio connections, assign the digital terminal (coaxial or optical) at "Setting the Digital In Assign" (page 42). J COMPONENT VIDEO OUT Y PB PR H VIDEO OUT I Monitor TV S VIDEO OUT L HDMI IN A L R L R AUDIO OUT L R DVD player D OPTICAL OUT J COMPONENT VIDEO OUT Y PB PR Connecting a DBS tuner · For best picture quality choose the component video connection to your DBS tuner. S-video and composite video outputs are also provided. If you choose to use the component video connection, it needs to be assigned.

For more information about Component Input Assignment (page 45). · To connect the digital audio output from the DBS tuner, you can choose from either the coaxial or optical connections. If you choose to use the coaxial or the optical connection, it needs to be assigned. For more information about Digital Input Assignment (page 42). H VIDEO OUT I S VIDEO OUT D OPTICAL OUT DBS / BS Tuner C COAXIAL OUT H VIDEO OUT A L R L R AUDIO OUT L R I S VIDEO OUT A L R L R AUDIO OUT L R NOTE: · Use an HDMI monitor compatible with an HDMI input resolution of 480i or 576i.

· If your monitor is not equipped with an HDMI terminal, connect the AVC-A11XV to the monitor using the component video, S-Video, or composite video terminals. D OPTICAL OUT C COAXIAL OUT 13 ENGLISH ENGLISH Connecting Other Sources Connecting Other Sources Connecting the external inputs (EXT. IN) terminals · These terminals 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, or a multi-channel Super Audio CD player, or other future multi-channel sound format decoder. · The method of video signal connection is the same as that for DVD player (page 7). · For instructions on playback using the external input (EXT.

IN) terminals (page 21). DVD Audio-Video / Super Audio CD Player / External decoder Connecting a DVD recorder · For best picture quality choose the component video connection to your DVD recorder. S-video and composite video outputs are also provided.



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