



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-4310. You'll find the answers to all your questions on the DENON AVR-4310 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual DENON AVR-4310
User guide DENON AVR-4310
Operating instructions DENON AVR-4310
Instructions for use DENON AVR-4310
Instruction manual DENON AVR-4310

DENON

AV SURROUND RECEIVER

AVR-4310

Owner's Manual
Bedienungsanleitung
Manuel de l'Utilisateur

GUI Graphical User Interface

English

Use this manual in combination with the operating guide displayed on the GUI screen.

GUI Menu Operation (☞ page 25)
GUI Menu Map (☞ page 24)
Language (☞ page 45)
Remote Control Unit Operations (☞ page 86)

Deutsch

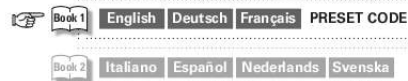
Verwenden Sie dieses Handbuch zusammen mit den Bedienungsanweisungen auf dem GUI-Bildschirm.

GUI-Menübedienung (☞ Seite 25)
GUI-Menüplan (☞ Seite 24)
Sprache (☞ Seite 45)
Bedienung mit der Fernbedienung (☞ Seite 86)

Français

Utilisez ce manuel en même temps que le guide d'utilisation affiché sur l'écran GUI (Interface graphique).

Fonctionnement du menu de l'interface graphique GUI (☞ page 25)
Plan du menu de l'interface graphique GUI (☞ page 24)
Langue (☞ page 45)
Fonctionnement de la télécommande (☞ page 86)



[You're reading an excerpt. Click here to read official DENON AVR-4310 user guide](http://yourpdfguides.com/dref/2466578)
<http://yourpdfguides.com/dref/2466578>

Manual abstract:

@@@Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. 8. @@9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

10. Only use attachments/accessories specified by the manufacturer. 11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time. 13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like. 1. 2. 3. 4. 5. 6. 7. **IMPOTANT SAFETY INSTRUCTIONS CAUTION:** To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet.

The mains plug is used to completely interrupt the power supply to the unit and must be within easy access by the user. **VORSICHT:** Um dieses Gerät vollständig von der Stromversorgung abzutrennen, ziehen Sie bitte den Stecker aus der Wandsteckdose. Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein. **PRECAUTION:** Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale. La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement. **ATTENZIONE:** Per scollegare completamente questo prodotto dalla rete di alimentazione elettrica, scollegare la spina dalla relativa presa a muro. La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente. **PRECAUCIÓN:** Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared. El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso. **WAARSCHUWING:** Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken.

De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT: Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet. Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren. **I SVENSKA NEDERLANDS ESPAÑOL ITALIANO FRANCAIS DEUTSCH ENGLISH n NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA ANGÄENDE ANVÄNDNINGEN CAUTION:** The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc. No naked flame sources, such as lighted candles, should be placed on the unit.

Observe and follow local regulations regarding battery disposal. Do not expose the unit to dripping or splashing fluids. Do not place objects filled with liquids, such as vases, on the unit. · Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack.

· Vermeiden Sie hohe Temperaturen. Beachten Sie, dass eine ausreichende Belüftung 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 elevate. Assicuratevi che vi sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio. · Evite altas temperaturas. Permita la suficiente dispersión del calor cuando está instalado en la consola. · Vermijd hoge temperaturen. Zorg er bij installatie in een audiorack voor, dat de door het toestel geproduceerde warmte goed kan worden afgevoerd.

· Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack. Keep the unit free from moisture, water, and dust. · Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern. · Protéger l'appareil contre l'humidité, l'eau et la poussière. · 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. Do not let foreign objects into the unit.

Lassen Sie keine fremden Gegenstände in das Gerät kommen. Ne pas laisser des objets étrangers dans l'appareil. Non inserite corpi estranei 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. · Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden. · Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden.

· Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen. · Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden. · Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden. · La ventilation ne doit pas être gênée en recouvrant les ouvertures de la ventilation avec des objets tels que journaux, rideaux, tissus, etc.



[You're reading an excerpt. Click here to read official DENON](http://yourpdfguides.com/dref/2466578)

[AVR-4310 user guide](http://yourpdfguides.com/dref/2466578)

<http://yourpdfguides.com/dref/2466578>

· Aucune flamme nue, par exemple une bougie, ne doit être placée sur l'appareil. · Veuillez à respecter les lois en vigueur lorsque vous jetez les piles usagées.
· L'appareil ne doit pas être exposé à l'eau ou à l'humidité. · Ne pas poser d'objet contenant du liquide, par exemple un vase, sur l'appareil. ACHTUNG:
ATTENTION: · Unplug the power cord when not using the unit for long periods of time. · Wenn das Gerät 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. · Scollegate il cavo di alimentazione quando prevedete
di non utilizzare l'unità 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 loss nätkabeln om apparaten inte kommer att
användas i lång tid. · Do not let insecticides, benzene, and thinner come in contact with the unit. · 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
entri in contatto con insetticidi, benzolo o solventi. · No permita el contacto de insecticidas, gasolina y diluyentes con el equipo.

· Voorkom dat insecticiden, benzeen of verfverdunner met dit toestel in contact komen. · Se till att inte insektsmedel på spraybruk, bensen och thinner kommer
i kontakt med apparatens hölje. · Le aperture di ventilazione non devono essere ostruite coprendole con oggetti, quali giornali, tovaglie, tende e così via. ·
Non posizionate sull'unità fiamme libere, come ad esempio candele accese. · Prestate attenzione agli aspetti legati alla tutela dell'ambiente nello smaltimento
delle batterie.

· L'apparechiatura non deve essere esposta a gocciolii o spruzzi. · Non posizionate sull'unità alcun oggetto contenente liquidi, come ad esempio i vasi. · La
ventilación no debe quedar obstruida por haberse cubierto las aperturas con objetos como periódicos, manteles, cortinas, etc. · No debe colocarse sobre el
aparato ninguna fuente inflamable sin protección, como velas encendidas. · A la hora de deshacerse de las pilas, respete la normativa para el cuidado del
medio ambiente.

· No exponer el aparato al goteo o salpicaduras cuando se utilice. · No colocar sobre el aparato objetos llenos de líquido, como jarros. ATTENZIONE:
PRECAUCIÓN: · 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 cavo di alimentazione con attenzione. Tenete ferma 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 voorzaltene Zubehör (mit
Ausnahme der Batterien!) entsprechen der WEEE-Direktive. · DECLARATION DE CONFORMITE Nous déclarons sous notre seule responsabilité que
l'appareil, auquel se réfère cette déclaration, est conforme aux standards suivants: EN60065, EN55013, EN55020, EN61000-3-2 et EN61000-3-3. D'après les
dispositions de la Directive 2006/95/EC et 2004/108/EC. · 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 2006/95/EC e 2004/108/EC. QUESTO PRODOTTO E' CONFORME AL D.M. 28/08/95 N.

548 UNE REMARQUE CONCERNANT LE RECYCLAGE: Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. Veuillez
disposer des matériaux conformément aux lois sur le recyclage en vigueur. Lorsque vous mettez cet appareil au rebut, respectez les lois ou réglementations en
vigueur. Les piles ne doivent jamais être jetées ou incinérées, mais mises au rebut conformément aux lois en vigueur sur la mise au rebut des piles. Ce produit
et les accessoires inclus, à l'exception des piles, sont des produits conformes à la directive DEEE.

· 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
2006/95/EC y 2004/108/EC. NOTA RELATIVA AL RICICLAGGIO: I materiali di imballaggio di questo prodotto sono riutilizzabili e riciclabili. Smettere i
materiali conformemente alle normative locali sul riciclaggio. Per lo smaltimento dell'unità, osservare le normative o le leggi locali in vigore.

Non gettare le batterie, né incenerirle, ma smaltirle conformemente alla normativa locale sui rifiuti chimici. Questo prodotto e gli accessori inclusi
nell'imballaggio sono applicabili alla direttiva RAEE, ad eccezione delle batterie. · 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 2006/95/EC en 2004/108/EC. ACERCA DEL RECICLAJE: Los
materiales de embalaje de este producto son reciclables y se pueden volver a utilizar. Disponga de estos materiales siguiendo los reglamentos de reciclaje de
su localidad. Cuando se deshaga de la unidad, cumpla con las reglas o reglamentos locales. Las pilas nunca deberán tirarse ni incinerarse. Deberá disponer
de ellas siguiendo los reglamentos de su localidad relacionados con los desperdicios químicos. Este producto junto con los accesorios empacquetados es el
producto aplicable a la directiva RAEE excepto pilas.

· 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.



[You're reading an excerpt. Click here to read official DENON](http://yourpdfguides.com/dref/2466578)

[AVR-4310 user guide](http://yourpdfguides.com/dref/2466578)

<http://yourpdfguides.com/dref/2466578>

Enligt stadgarna i direktiv 2006/95/EC och 2004/108/EC. DENON EUROPE Division of D&M Germany GmbH An der Landwehr 19, Nettetal, D-41334 Germany EEN AANTEKENING MET BETREKKING TOT DE RECYCLING: Het inpakmateriaal van dit product is recycleerbaar en kan opnieuw gebruikt worden. Er wordt verzocht om zich van elk afvalmateriaal te ontdoen volgens de plaatselijke voorschriften. Volg voor het wegdoen van de speler de voorschriften voor de verwijdering van wit- en bruingoed op. Batterijen mogen nooit worden weggegooid of verbrand, maar moeten volgens de plaatselijke voorschriften betreffende chemisch afval worden verwijderd. Op dit product en de meegeleverde accessoires, m.u.v. de batterijen is de richtlijn voor afgedankte elektrische en elektronische apparaten (WEEE) van toepassing.

OBSERVERA ANGÅENDE ÅTERVINNING: Produktens emballage är återvinningsbart och kan återanvändas. Kassera det enligt lokala återvinningsbestämmelser. När du kasserar enheten ska du göra det i överensstämmelse med lokala regler och bestämmelser. Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall.

Denna apparat och de tillbehör som levereras med den uppfyller gällande WEEE-direktiv, med undantag av batterierna. III ENGLISH n Contents Getting Started Flow of Operations Through Playback2 Cautions on Handling2 Cautions on Installation2 Preparations3 Accessories3 Insert Batteries in the Remote Control Unit3 Operating Range of the Remote Control Unit3 Part Names and Functions4 Front Panel4 Display5 Rear Panel6 Remote Control Unit7 Playback Important Information52 Playing Components52 Playing a Blu-ray Disc Player/DVD Player52 Playing an iPod® Using a Control Dock for iPod52 Playing an iPod® Connected Directly to the AVR-4310's USB Port54 Tuning in Radio Stations55 Listening to FM/AM Broadcasts55 Direct Frequency Tuning56 RDS (Radio Data System)56 RDS Search57 RDS Search57 TP Search57 RT (Radio Text)57 Playing Network Audio, USB Memory Devices57 Important Information57 Listening to Internet Radio59 Playing Files Stored on a Computer61 Playing Files Stored on USB Memory Devices62 Listening to Napster62 Operations During Playback64 Adjusting the Master Volume64 Turning Off the Sound Temporarily (Muting)64 Listening with Headphones64 To Stop64 Stopping Playback Temporarily64 Fast-forwarding or Fast-reversing64 To Cue to the Beginning of a Track64 Playing Repeatedly64 Selecting Tracks65 Shuffling Playback65 Playing in Random Order65 Searching Pages65 Searching by First Letter65 Selecting the Surround Mode (Surround Mode)66 Adjusting the Sound and Picture Quality (Audio/Video Adjust)69 Adjusting the Sound (Audio Adjust)69 Adjusting the Picture Quality (Picture Adjust)73 Checking the Status (Information)74 Other Operations and Convenient Functions Other Operations75 Playing a Blu-ray Disc Player Compatible with DENON LINK 4th mode)75 Recording on an External Device (REC OUT mode)76 Convenient Functions77 HDMI Control Function77 Setting the Power to Standby After a Certain Amount of Time (Sleep Timer Function)77 Adjust the Volume of the Speakers78 Saving Frequently Used Settings (Quick Select Function)78 Playing the Same Network Audio on Different Devices Connected in a Network (Party Mode Function)79 Operating a Wireless LAN-Compatible Mobile Terminal to Play Music and Still Pictures80 Operating the AVR-4310 with a Browser (Web Control Function)81 Various Memory Functions82 Connections Important Information9 Cables Used for Connections9 Converting Input Video Signals for Output (Video Conversion Function)10 Installing / Setting the Speakers11 Speaker Connections13 Connecting Devices14 Connecting the Power Cord23 Once Connections are Completed23 Turning the Power On23 Turning the Power Off23 Playing in ZONE2/ZONE3 (Multi-zone Function) Audio Output83 Video Output83 Playback84 Menu Operation85 Quick Select Function85 Sleep Timer Function85 Settings GUI Menu Map24 GUI Menu Operation25 Example of the Display of the GUI Mark at a Title25 Examples of GUI Menu Screen Displays25 Selecting the Input Source26 Make the Optimal Speaker Settings, and Correct the Room Acoustics (Audyssey Auto Setup)27 Making Detailed Settings (Manual Setup)33 Making the Input Settings (Source Select)45 Important Information46 ENGLISH Operating the Connected Devices by Remote Control Unit Operating the Main Remote Control Unit86 Operating AV Equipment86 Presetting87 Operating Preset Components87 Setting the Remote ID90 Learning Function90 MACRO Function91 Punch Through Function91 Setting the Time the Backlight Stays Lit92 Adjusting the Backlight's Brightness92 Specifying the Zone Used with the Main Remote Control92 Resetting the Main Remote Control Unit93 Operating the Sub Remote Control Unit94 Switching Zones95 Switching the Multi-zone Input Source to the Same Input Source as Used in the MAIN ZONE95 Setting the Zone for Which the Sub Remote Control Unit is Used (ZONE SELECT LOCK Mode)95 Setting the Remote ID95 Resetting the Settings95 Getting Started Flow of Operations Through Playback Perform the operations leading to playback on the AVR-4310 in the order shown below.



[You're reading an excerpt. Click here to read official DENON
AVR-4310 user guide](http://yourpdfguides.com/dref/2466578)
<http://yourpdfguides.com/dref/2466578>

Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Cautions on Handling · Before turning the power switch on Check once again that all connections are correct and that there are no problems with the connection cables. · Power is supplied to some of the circuitry even when the unit is set to the standby mode. When traveling or leaving home for long periods of time, be sure to unplug the power cord from the power outlet.

· About condensation If there is a major difference in temperature between the inside of the unit and the surroundings, condensation (dew) may form on the operating parts inside the unit, causing the unit not to operate properly. If this happens, let the unit sit for an hour or two with the power turned off and wait until there is little difference in temperature before using the unit. · Cautions on using mobile phones Using a mobile phone near this unit may result in noise. If so, move the mobile phone away from this unit when it is in use. · Moving the unit Turn off the power and unplug the power cord from the power outlet.

Next, disconnect the connection cables to other system units before moving the unit. · Note that the illustrations in these instructions may differ from the actual unit for explanation purposes. Connections Installing/Setting the Speakers (vpage 11) Speaker Connections (vpage 13) Connecting Devices (vpage 14) Turning the Power On (vpage 23) Other Information96 Troubleshooting105

Restoring All the Settings to as They were at the Time of Purchase (Resetting the Microprocessor)107 Settings Audyssey Auto Setup (vpage 27) Manual Setup (vpage 33) b Perform "Manual Setup" as necessary. Specifications108 Source Select (vpage 45) Cautions on Installation Note: For proper heat dispersal, do not install this unit in a confined space, such as a bookcase or similar enclosure. b b Note b b Wall List of preset codesEnd of this manual Playback Playing Components (vpage 52) Selecting the Surround Mode (vpage 66)

Adjusting the Sound and Picture Quality (vpage 69) ENGLISH Preparations Thank you for purchasing this DENON product.

To ensure proper operation, please read this owner's manual carefully before using the product. After reading them, be sure to keep them for future reference.

Insert Batteries in the Remote Control Unit In addition to the AVR-4310, the included main remote control unit (RC-1116) can also be used to operate the equipment listed below. qDENON system components wNon-DENON system components · To operate component products other than DENON, you must set the preset code (vpage 87 "Presetting"). · When using component products other than DENON, if you cannot set the preset code, use the learning function (vpage 90 "Learning Function"). NOTE · Insert the specified batteries in the remote control unit. · Replace the batteries with new ones if the set does not operate even when the remote control unit is operated close to the unit. (The supplied batteries are only for verifying operation.) · When inserting the batteries, be sure to do so in the proper direction, following the "q" and "w" 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 attempt to charge dry 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. · Remove the batteries from the remote control unit if it will not be in use for long periods.

· Used batteries should be disposed of in accordance with the local regulations regarding battery disposal. Getting Started Connections Accessories Check that the following parts are supplied with the product. Settings q Owner's manual ...

.....

.....

.....

.....

.....

.....

.....

.....

..... 1 w Getting started ...

.....

.....

.....

.....

.....

.....

.....

.....

..... 1 e Service station list .

.....

.....

.....

.....

.....

.....

.....

.....

.....

. 1 r Power cord (Cord length: Approx. 1.6 m) ..

.....

.....
.....
.....
1 t Main remote control unit (RC-1116)

.....
.....
.....
.....
1 y LR6/AA batteries (for RC-1116)

.....
.....
.....
.. 2 u Sub remote control unit (RC-1121) ...

.....
.....
.....
..... 1 i R03/AAA batteries (for RC-1121) .

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

.....
.... 2 o FM indoor antenna .
.....
.....

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

.....
.....
.....
1 Q0 AM loop antenna

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

.....
.....
.....
..... 1 Q1 Setup microphone (DM-A409, Cord length: Approx.

7.6 m)
.....
.....
.....

*..... 1 Inserting the Batteries q Lift the clasp and remove the rear lid. (RC-1116) (RC-1121) Playback Multi-zone Operating Range of the Remote Control Unit
w Load the two batteries properly as indicated by the marks in the battery compartment. (RC-1116) (RC-1121) R03/AAA LR6/AA Remote Control Information
r t u Point the remote control unit at the remote sensor when operating it. o Q0 Q1 (RC-1121) or Troubleshooting 30° e Put the rear cover back on.*



[You're reading an excerpt. Click here to read official DENON AVR-4310 user guide](#)

Approx.

7 m 30° (RC-1116) Specifications NOTE The set may function improperly or the remote control unit may not operate if the remote control sensor is exposed to direct sunlight, strong artificial light from an inverter type fluorescent lamp or infrared light. ENGLISH Part Names and Functions Front Panel For buttons not explained here, see the page indicated in parentheses (). GWith the door openH E5 E4 E3 E2 E1 E0 W9 W8 W7 Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Q2 Q1 Q0 oi uy Q7 Q8 Q9 W0 W1 W2 W3 W4 W5 W6 Q3 Q4 Q5 Q6 q we r t q Power operation button (23) w Power indicator (23) e Power switch (23) r Door

When you are using buttons and/or terminals behind the door, press the bottom of the door to open it. When not using buttons and/or terminals behind the door, close it. Be careful not to catch your fingers when closing the door.

t QUICK SELECT buttons (78) y MASTER VOLUME control knob (64) u AUDYSSEY DYNAMIC VOLUME indicator (71) Q7 Headphones jack (64) Q8 ZONE2 ON/OFF button (84) Q9 ZONE3 ON/OFF button (84) W0 INPUT MODE button (49) W1 MENU button (25) W2 Cursor buttons (uio p) (25) W3 ENTER button (25) W4 RETURN button (25) W5 V.AUX INPUT connectors (19) W6 SETUP MIC jack (28) W7 HDMI IN connector (14) W8 USB (iPod DIRECT) port (20) W9 STATUS button (74) E0 DSX button (72) E1 RESTORER button (73) E2 DIRECT/STEREO button (67) E3 PURE DIRECT button (68) E4 DSP SIMULATION button (67) E5 STANDARD button (66) i AUDYSSEY DSX indicator (72) o Master volume indicator

Q0 Display Q1 Remote control sensor (3) Q2 SOURCE SELECT knob (26) Q3 SOURCE button (26) Q4 TUNING PRESET button (55) Q5 ZONE 2/3 / REC SELECT button (76, 84) Q6 VIDEO SELECT button (48) ENGLISH Part Names and Functions Getting Started Display W1 W0 Q9Q8 Q7 Q6 Q5 Q4 Q3Q2 Q1 Q0 o iu Connections Settings q w e rty Playback q Input signal indicators w Input signal channel indicators These light when digital signals are input.



[You're reading an excerpt. Click here to read official DENON](#)

[AVR-4310 user guide](#)

<http://yourpdfguides.com/dref/2466578>

When playing HD Audio sources, the " " indicator lights when an extension channel (a channel other than the front, center, surround, surround back or LFE channel) is input. If there are two or more extension channels, the " " and " " indicators light. Q0 PARTY indicators These indicators light during party mode. ORGANIZER This lights to indicate that party mode has started as Organizer. ATTENDEE This lights to indicate that party mode has started as Attendee. Q5 AL24 indicator This lights when AL24 Processing Plus (vpage 98) is activated. Multi-zone Q6 Input mode indicators Q7 D.LINK indicator This lights when playing using DENON LINK connections. Remote Control Information Q1 AUDYSSEY MULTEQ XT indicators Lighting is as follows, depending on the setting of "Dynamic EQ" (vpage 71) and "Dynamic Volume" (vpage 72). . . : When "Dynamic EQ" and "Dynamic Volume" are "ON". : When the "Dynamic EQ" setting is "ON" and the "Dynamic Volume" setting is "OFF". : When "Dynamic EQ" and "Dynamic Volume" are "OFF". This lights when the sleep mode is selected.

Q8 HDMI indicator This lights when playing using HDMI connections. e Information display The input source name, surround mode, setting values and other information are displayed here. Q9 Tuner reception mode indicators These light according to the reception conditions when the input source is set to "TUNER". STEREO In the FM mode, these light when receiving analog stereo broadcasts. TUNED Lights when the broadcast is properly tuned in. AUTO These light when in the auto tuning mode. RDS These light when receiving RDS broadcasts. r Output signal channel indicators t Surround speaker indicators These light according to the settings of the surround A and B speakers. Troubleshooting y Monitor output indicators These light according to the HDMI monitor output setting. When set to "Auto (Dual)", the indicators light according to the connection status.

u QUICK SELECT indicators i Master volume indicator o MUTE indicator This lights when the mute mode is selected. Q2 SLEEP indicator Q3 RESTORER indicator This lights when the RESTORER mode is selected. W0 Recording output source indicator This lights when the REC OUT mode is selected. Specifications W1 Decoder indicators These light when the respective decoders are operating. Q4 Multi zone indicators These light when the power for the respective zone is turned on.

ENGLISH Part Names and Functions Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications

Rear Panel Q7 Q6 Q5 Q4 Q2 Q3 Q2 Q1 Q0 Q8 Q9 Q8 Q7 q w e r t y i AC inlet (23) o AC OUTLET (23) Q0 ETHERNET connector (22) Q1 USB (iPod DIRECT) port (20) Q2 Digital audio connectors (15~18) Q3 DENON LINK connector (19) u Q4 COMPONENT VIDEO connectors (15, 17) Q5 HDMI connectors (14) Q6 VIDEO / S-VIDEO connectors (15~18) Q7 Analog audio connectors (15~18) Q8 PRE OUT connectors (21, 83) Q9 EXT. IN connectors (20) io q FM/AM antenna terminals (18, 19) w RS-232C connector (21) e REMOTE CONTROL jacks (21) r TRIGGER OUT jacks (21) t DOCK CONTROL jack (16) y Speaker terminals (13) u SIGNAL GND terminal (16)

ENGLISH Part Names and Functions Getting Started Remote Control Unit Main Remote Control Unit (RC-1116) Q0 q w n Operations Possible by Main Remote Control Unit Operations on the AVR-4310 Operations on 9 devices other than the AVR-4310 q Signal transmission indicator (86) w Device select buttons (86) e Zone indicators / MACRO indicator (86) r MENU / SEARCH button (25) t RESTORER button (73) y CHANNEL LEVEL button (78) u Channel buttons (CH) (55~57) i Input source select buttons (26) Number buttons (55, 60) · Preset the remote control codes of the devices to be operated (vpage 87).



[You're reading an excerpt. Click here to read official DENON](http://yourpdfguides.com/dref/2466578)

[AVR-4310 user guide](http://yourpdfguides.com/dref/2466578)

<http://yourpdfguides.com/dref/2466578>

· The function button indicator changes depending on the Device select button you have selected. Selected Device select button Function button indicator

W4 W5 W6 W7 W2 W3 W8 W9 E3 Button name Connections W1 e Q1 Q2 o TV INPUT button (88) Q0 Remote control signal transmitter (3) Q1 QUICK SELECT button (78, 85) MACRO button (91) W1 MULTEQ XT button (MULTEQ) (71) W2 DSX button (SPKR) (72) W3 Sleep timer button (SLEEP) (77, 85) W4 Dynamic EQ button (DYN EQ) (71) W5 Dynamic Volume button (DYN VOL) (72) W6 Surround mode buttons (66, 67) · STANDARD button (STD) · PURE DIRECT button (PURE) · DIRECT / STEREO button (D/ST) · DSP SIMULATION button (SIMU) Settings Playback Multi-zone Q2 Function buttons See "Operations Possible by Main Remote Control Unit" (vpage 7 8) for more information. , r Q3 Power operation buttons Q3 Q4 (POWER ON / OFF) (23, 84) t y u Q5 Q6 Q7 Q8 Q9 Q4 Cursor buttons (uio p) (25) Q5 ENTER button (25) Q6 Return button (RTN) (25) Q7 SOURCE SELECT button (26) Q8 Master volume control buttons (VOL) (64) Q9 Muting button (MUTE) (64) W0 RC SETUP button (87) NOTE · The ZONE4 mode cannot be used.

· The DTU, SAT TU and HDMI CONTROL buttons cannot be used. W3 E0 W7 PARTY button (79) W8 Monitor select button (M.SEL) (36) W9 Video select button (V.SEL) (48) E0 Multi-zone power buttons (84) · Muiiti-zone power on button (ON) · Muiiti-zone power off button (OFF) Remote Control Information E0 E1 Device power buttons (87, 88) · Device power on button (ON) · Device power off button (OFF) Troubleshooting E4 E2 System buttons (64, 65, 87~89) · Repeat button (RPT) · Random button (RND) · Disc skip up button (Skip+) · Skip button (8, 9) · Play button (1) · Search button (6, 7) · Still / Pause button (3) · Stop button (2) Specifications i o W0 E2 E0 E1 E3 QUICK SELECT button (78, 85) E4 MACRO button (91) ENGLISH Part Names and Functions Selected Device select button Function button indicator Button name Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Sub Remote Control Unit (RC-1121) Q1 E5 E5 Preset Channel buttons (55, 60) E6 Tuner system buttons (55, 60, 62) · Tuning down / Channel down button (TU f) · Tuning up / Channel up button (TU d) · FM/AM band switching button (BAND)z · Tuning mode (Auto / Manual) button (MODE) · Preset memory button (MEMO) z: Tuner (FM/AM) only q E6 Q2 Q3 Q4 w n Multi-zone (ZONE2 / ZONE3) operations (vpage 83) n Punch through setting (vpage 91) e The time for which the backlight stays on can be changed (vpage 92 "Setting the Time the Backlight Stays Lit").



[You're reading an excerpt. Click here to read official DENON](#)

[AVR-4310 user guide](#)

<http://yourpdfguides.com/dref/2466578>

Q5 r t Q6 Q7 y u i W0 W1 o Q0 W2 W3 Q8 Q9 q ZONE indicators (95) w QUICK SELECT buttons (78, 85) e Input source select buttons (94) r SHIFT button (55, 94) t CHANNEL button (94) y MENU button (85, 94) u Cursor buttons (uio p) (94) i SEARCH button (65, 94) o REPEAT button (64, 94) Q0 RANDOM button (65, 94) Q1 Remote control signal transmitter (3) Q2 ZONE SELECT button (95) Q3 Zone power on/off buttons (84) Q4 Advanced setup button (95) Q5 MAIN ZONE call button (95) Q6 Master volume control buttons (84) Q7 Muting button (MUTE) (84) Q8 MEMORY button (94) Q9 ENTER button (94) W0 RETURN button (94) W1 System buttons (94) W2 ALL MUSIC/FAVORITES (DIRECT PLAY) button (94) W3 USB (DIRECT PLAY) button (62, 94) NOTE The DTU and SAT TU button cannot be used. ENGLISH Connections Important Information Connections for all compatible audio and video signal formats are described in this owner's manual. Please select the types of connections suited for the equipment you are connecting. After connections are completed, certain settings must be made on the receiver. Make the settings indicated " Set as Necessary " for the individual items.



[You're reading an excerpt. Click here to read official DENON](#)

[AVR-4310 user guide](#)

<http://yourpdfguides.com/dref/2466578>

Getting Started Cables Used for Connections Select the cables (sold separately) according to the equipment being connected.

Connections Audio and video cables HDMI connections HDMI cable Component video connections (Green) (Blue) (Red) Video cables Settings NOTE · Do not plug in the power 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). · Do not bundle power cords together with connection cables. Doing so can result in humming or noise. Coaxial digital connections Optical digital connections Audio cables Coaxial digital cable Optical cable L R L R Component video cable S-Video connections Video connections (Yellow) Playback S-Video cable Multi-zone Analog (White) connections (Red) (stereo, surround) Analog connections (monaural, for subwoofer) Speaker connections Video cable Other cables DENON LINK connections Network connections DENON LINK cable Remote Control Information Audio cable Audio cable Ethernet cable Speaker cables Troubleshooting Specifications ENGLISH Important Information Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Converting Input Video Signals for Output (Video Conversion Function) The AVR-4310 has 4 different types of video input/output terminal (HDMI, Component video, S-Video, Video). Use the terminals according to the devices to be connected. This function automatically converts various formats of video signals input to the AVR-4310 into the format used to output the video signals from the AVR-4310 to a monitor. (vpage 104 "Relationship Between Video Signals and Monitor Output"). GFlow of video signals for ZONE2H AVR-4310 Video device Monitor Output Input (IN) Output (MONITOR OUT) Input GFlow of video signals for MAIN ZONEH AVR-4310 Video device Monitor S-Video connector S-Video connector Video connector Input (IN) HDMI connector Output (MONITOR OUT) HDMI connector Video connector Video connector Video connector Set as Necessary Input · Set when using the video conversion function. "Video Convert" (vpage 48) · Set when changing the resolution of the video signal. "Resolution" (vpage 49) Output HDMI connector HDMI connector Component video connectors S-Video connector Component video connectors S-Video connector Component video connectors S-Video connector Component video connectors S-Video connector Resolutions of HDMI-compatible TVs can be checked at "HDMI Information" "Monitor1" or "Monitor2" (vpage 74). NOTE · HDMI signals cannot be converted into analog signals. · When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. · 480p/576p/1080i/720p/1080p component video input signals cannot be converted into S-Video or Video format. Video connector Video connector Video connector Video connector : When 480i/576i signals are input 0 ENGLISH Installing / Setting the Speakers · The AVR-4310 is compatible with various types of surround playback. · Decide on the surround modes to be played on the AVR-4310 before making connections and settings. Getting Started n When 7.1ch (Front Height Speaker) Connected Front height speakers Front speakers Center speaker Subwoofer Monitor z 3 n When 7.1ch (Front Wide Speaker) Connected Front wide speakers Front speakers z1: 22° ~ 30° z2: 22° ~ 45° z3: 90° ~ 110° Point slightly downwards z 3 Center speaker Monitor Subwoofer Surround speaker 60 to 90 cm z 2 z1: 22 ~ 30° z2: 55 ~ 60° z3: 90 ~ 110° Connections a Determine the Speaker Layout Below we introduce examples of speaker layouts. Refer to these to arrange your speakers according to their type and how you want to use them. z2 z1 Front height speaker Front speaker Surround speaker Front speaker Front wide speaker 60 to 90 cm Settings Playback Installing All the Speakers Front Height speakers Front speakers Surround speakers GAs seen from aboveH GAs seen from the sideH Surround speakers GAs seen from aboveH Front speakers Center speaker Monitor Subwoofer z1 GAs seen from the sideH Multi-zone n When 6.1ch (Surround Back Speaker) Connected Front wide speakers Front wide speakers n When 7.1ch (Surround Back Speaker) Connected Front speakers Center speaker Monitor Subwoofer Center speaker z1: 22 ~ 30° z2: 90° ~ 110° z3: 135° ~ 150° z1: 22 ~ 30° z2: 90° ~ 110° Remote Control Information Subwoofer z1 z 2 z 3 z 2 Surround speaker Front speaker Surround back speaker Surround speakers Point slightly downwards Surround back speaker GAs seen from aboveH Surround speaker Front speaker Surround back speaker z 60 to 90 cm Surround Surround Surround back speakers speaker A speaker A Surround Surround speaker B speaker B Surround speakers Surround back speakers GAs seen from aboveH Front speakers Center speaker Monitor Subwoofer z1 z3 60 to 90 cm Point slightly downwards Troubleshooting GAs seen from the sideH GAs seen from the sideH n When 5.1ch Connected Front speakers Center speaker Monitor Subwoofer z1 z2 NOTE · It is not possible to use the surround back speakers, front height speakers and front wide speakers simultaneously. · Connect the surround speakers for watching movies to the surround A terminals, and the surround speakers for multichannel audio listening to the surround B terminals. · The same surround signals are output from the surround A and surround B terminals. z1: 22 ~ 30° z2: 90° ~ 110° z3: 120° z1: 22 ~ 30° z2: 120° Specifications z 2 Surround speaker A Front speaker Surround back speaker Point slightly downwards Surround speaker B Front speaker Surround speaker 60 to 90 cm Surround speakers A Surround speakers B Surround back speakers GAs seen from aboveH 60 to 90 cm Surround speakers GAs seen from aboveH GAs seen from the sideH GAs seen from the sideH ENGLISH Installing/Setting the Speakers Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications s Set the "Amp Assign" Mode According to the Speaker Layout The signals output from the AVR-4310's SURR. BACK/AMP ASSIGN speaker terminals can be switched (vpage 33 "Amp Assign"). Amp assign mode (vpage 33) SURR.

BACK / AMP ASSIGN Speaker connections Example of speaker installation (Number of channels played) Amp assign mode (vpage 33) SURR.



[You're reading an excerpt. Click here to read official DENON](#)

[AVR-4310 user guide](#)

<http://yourpdfguides.com/dref/2466578>