



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-3310. You'll find the answers to all your questions on the DENON AVR-3310 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-3310  
User guide DENON AVR-3310  
Operating instructions DENON AVR-3310  
Instructions for use DENON AVR-3310  
Instruction manual DENON AVR-3310

## DENON

AV SURROUND RECEIVER

# AVR-3310

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)  
Remote Control Unit Operations (☞ page 83)

#### Deutsch

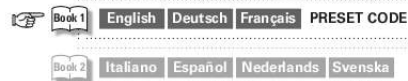
Verwenden Sie dieses Handbuch zusammen mit den Bedienungsanweisungen auf dem GUI-Bildschirm.

GUI-Menübedienung (☞ Seite 25)  
GUI-Menüplan (☞ Seite 24)  
Bedienung mit der Fernbedienung (☞ Seite 83)

#### 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)  
Fonctionnement de la télécommande (☞ page 83)



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**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.



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· 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.  
· Manneggiate 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 voorzichtig. Houd het snoer  
bij de stekker vast wanneer deze moet der WEEE-Directive. · 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. Smaltire 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 empacutados 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.



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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.....2 Flow of Operations Through Playback.....2

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Getting Started Flow of Operations Through Playback Perform the operations leading to playback on the AVR-3310 in the order shown below.

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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

Information .....90 Troubleshooting .....97 Restoring All the Settings to as They were at the Time of Purchase (Resetting the Microprocessor) .....100 · Specifications .....100 List of preset codes .....End of this manual Settings Audyssey™ Auto Setup (vpage-27) Manual Setup (vpage-32) b Perform "Manual Setup" as necessary. Input Setup (vpage-43) 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 Playback Playing Components (vpage-50) Selecting the Surround Mode (vpage-64) Adjusting the Sound and Picture Quality (vpage-67) 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-3310, the included main remote control unit (RC-1118) 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 83 "Registering Preset Codes"). 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.



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· 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. Inserting the Batteries q Lift the clasp and remove the rear lid. (RC-1118) (RC-1121) Settings q Owner's manual ..

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..... 1 w Getting started ..

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1 e Service station list .....

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.. 1 r Power cord (Cord length: Approx. 1.7 m) .

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. 1 t Main remote control unit (RC-1118) .....

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. 1 y R6/AA batteries (for RC-1118) .....

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

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

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.. 2 o FM indoor antenna ...

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

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.. 1 Q1 Setup microphone (DM-A409, Cord length: Approx. 7.6 m) .....

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..... 1 Playback Multi-zone r t u w Load the two batteries properly as indicated by the marks in the battery compartment. (RC-1118) (RC-1121) R6/AA R03/AAA Operating Range of the Remote Control Unit Point the remote control unit at the remote sensor when operating it.

Remote Control Information o Q0 Q1 e Put the rear cover back on. 30° Approx. 7 m (RC-1118) (RC-1121) or Troubleshooting 30° 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 E6 E5 E4 E3 E2 E1 E0 W9 W8 W7 W6 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 Q3 Q4 Q5 Q6 q we r t t QUICK SELECT buttons  
jack ..... (77) y MASTER VOLUME control knob ..... (62) u AUDYSSEY DYNAMIC VOLUMETM indicator ..... (69) Q7 Headphones  
SPEAKERS button ..... (62) Q8 ZONE2 ON/OFF button ..... (82) Q9 ZONE3 ON/OFF button ..... (82) W0 FRONT  
button ..... (25) W4 RETURN button ..... (25) W5 V.

AUX INPUT connectors ..... (20) W6 SETUP MIC jack ..... (28) W7 MULTEQ® button ..... (69) W8  
DYNAMIC VOLUMETM button (DYN VOL) ... (70) W9 USB port ..... (20) E0 STATUS button ..... (73)  
E1 AUDIO DELAY button ..... (71) E2 RESTORER button ..... (71) E3 DIRECT/STEREO button ..... (65)  
E4 PURE DIRECT button ..... (66) E5 DSP SIMULATION button ..... (65) E6 STANDARD button ..... (64) 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.



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When not using buttons and/or terminals behind the door, close it. Be careful not to catch your fingers when closing the door. i HD AUDIO indicator ..... (65) o Master volume indicator Q0 Display Q1 Remote control sensor ..... (3) Q2 SOURCE SELECT knob ..... (26) Q3 SOURCE button ..... (26) Q4 TUNING PRESET button ..... (52) Q5 ZONE 2/3 / REC SELECT button ..... (74, 82) Q6 VIDEO SELECT button ..... (46) ENGLISH Part Names and Functions Getting Started Display W0 Q9 Q8 Q7 Q6 Q5 Q4 Q3 Q2 Q1 Q0 o iu Connections Settings q w e r ty Playback q Input signal indicators w Input signal channel indicators These light when digital signals are input. 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 91) is activated. Multi-zone Q6 Input mode indicators Q7 HDMI indicator This lights connections. when playing using HDMI Remote Control Information Q1 AUDYSSEY MULTEQ indicators Lighting is as follows, depending on the setting of "Dynamic EQ" (vpage 69) and "Dynamic Volume" (vpage 70). · · : 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 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. e Information display The input source name, surround mode, setting values and other information are displayed here. r Output signal channel indicators t Front speaker indicators These light according to the settings of the front A and B speakers. Troubleshooting y Monitor output indicators This indicator lights up when an HDMI monitor is connected. · Q9 Recording output source indicator This lights when the REC OUT mode is selected.

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 Decoder indicators These light when the respective decoders are operating. Specifications 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 Q5 Q4 Q3 Q2 Q1 o Q0 o Q6 Q7 Q6 Q5 q w e r t y u AC inlet ..... (23) i AC OUTLET ..... (23) o Digital audio connectors ..... (16 ~ 19) Q0 SIGNAL GND terminal ..... (17) Q1 ETHERNET connector ..... (22) Q2 COMPONENT VIDEO connectors ..... (15, 16, 18) u Q3 HDMI connectors ..... (14) Q4 VIDEO / S-VIDEO connectors ..... (15 ~ 19) Q5 Analog audio connectors ..... (16 ~ 19) Q6 PRE OUT connectors ..... (21, 81) Q7 EXT.



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IN connectors	(20)	i q FM/AM antenna terminals	(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)
<i>ENGLISH Part Names and Functions Getting Started Remote Control Unit Main Remote Control Unit (RC-1118)</i>													
Front Q1 q w e r r Q7 W3		Rear t Q2 Q8 Q9 W0 Q3 W4 W5 W6 W7 W8 W9 y u i o Q0 Q4 W1 E0 Q5 Q6 W2 q		Indicator									
(83)	w	Power buttons	(23)	e QUICK SELECT buttons	(77)	r	Input source select button	(26)	t				
		System buttons	(62, 84 ~ 86)	y	MENU button	(24)	u	Cursor buttons (uio p)	(25)	i	SEARCH button	(63)	o
		SOURCE SELECT button	(26)	Q0	DEVICE SELECT switches	(7, 83)	Q1	Remote control signal transmitter	(3)	Q2	Master volume control buttons	(62)	Q3
		Muting button (MUTE)	(62)	Q4	Channel level adjustment button	(34, 76)	Q5	RETURN button	(25)	Q6	ENTER button	(25)	Q7
		ZONE power button	(82)	Q8	VIDEO SELECT button	(46)	Q9	Front height speaker on/off button	(68)	W0	Tuner operation buttons	(52)	W1
		MULTEQ® button	(69)	W2	Number buttons (0 ~ 9, +10)	(83)	W3	MAIN ZONE power buttons	(23)	W4	SLEEP TIMER button	(76)	W5
		INPUT MODE button	(47)	W6	RESTORER button	(71)	W7	PARTY button	(77)	W8	Surround mode buttons	(64 ~ 66)	W9
		DYNAMIC VOLUMETM button	(70)	E0	DYNAMIC EQTM button	(69)	For buttons not explained here, see the page indicated in parentheses ( ).						



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Operations possible by remote control n Operations on the AVR-3310 n Operations on five devices other than the AVR-3310 · Preset the remote control codes of the devices to be operated (vpage 83). · Switch two device selector switches according to the devices to be operated. Position of switches Operable devices Connections Settings Playback Multi-zone AVR-3310 (MAIN ZONE) iPod, TUNER, NET/USB AVR-3310 (ZONE2) AVR-3310 (ZONE3) TV Blu-ray disc player or DVD Player Digital video recorder or Video deck Satellite receiver or Cable TV CD player Remote Control Information Troubleshooting Specifications NOTE · Buttons on the back panel may operate when the back lid is pressed. · The SAT TU and HDMI CONTROL buttons cannot be used. n Multi-zone (ZONE2 / ZONE3) operations (vpage 82) n Punch through setting (vpage 87) ENGLISH Part Names and Functions Getting Started Getting Started Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Sub Remote Control Unit (RC-1121) Q1 q Q2 Q3 Q4 w e Q5 r t Q6 Q7 y u i W0 W1 o Q0 W2 W3 Q8 Q9 q ZONE indicators ..... (89) w QUICK SELECT buttons .....(77, 83) e Input source select buttons..... (26, 88) r SHIFT button.....(57, 88) t Channel button (CH) ..... (52, 88) y MENU button..... (24, 88) u Cursor buttons (uio p) ..... (25, 88) i SEARCH button ..... (63, 88) o REPEAT button ..... (63, 88) Q0 RANDOM button ..... (63, 88) Q1 Remote control signal transmitter ..... (3) Q2 ZONE SELECT button ..... (89) Q3 Zone power on/off buttons ..... (82) Q4 Advanced setup button ..... (89) Q5 MAIN ZONE call button ..... (82, 89) Q6 Master volume control buttons (VOL) ..... (62, 82) Q7 Muting button (MUTE) ..... (62, 82) Q8 MEMORY button ..... (52, 88) Q9 ENTER button ..... (25, 88) W0 RETURN button ..... (25, 88) W1 System buttons ..... (62, 88) W2 ALL MUSIC/FAVORITES (DIRECT PLAY) button ..... (88) W3 USB (DIRECT PLAY) button ..... (59, 88) NOTE The SAT TU and DTU buttons cannot be used.



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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. 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 Network connections Ethernet cable Remote Control Information Audio cable Speaker cables Troubleshooting Specifications ENGLISH Important Information Getting Started Connections Connections Settings Playback Multi-zone Remote Control Information Troubleshooting Specifications Converting Input Video Signals for Output (Video Conversion Function) The AVR-3310 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-3310 into the format used to output the video signals from the AVR-3310 to a monitor (vpage 96 "Relationship Between Video Signals and Monitor Output"). GFlow of video signals for ZONE2H AVR-3310 Video device Monitor Output Input (IN) Output (MONITOR OUT) Input GFlow of video signals for MAIN ZONEH AVR-3310 Video device Monitor S-Video connector S-Video connector Video connector Input (IN) HDMI connector Output (MONITOR OUT) HDMI connector Video connector Video connector Set as Necessary Input · Set when using the video conversion function. "Video Convert" (vpage 46) · Set when changing the resolution of the video signal. "Resolution" (vpage 47) 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" "Monitor Information" (vpage 73). 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-3310 is compatible with various types of surround playback. · Decide on the surround modes to be played on the AVR-3310 before making connections and settings. Getting Started n When 7.1ch (Front Height Speaker) Connected Front height speakers Front speakers Center speaker n When 6.1ch (Surround Back Speaker) Connected Front speakers 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. z1: 22° ~ 30° z2: 22° ~ 45° z3: 90° ~ 110° Point slightly downwards Front height speaker Front speaker 60 to 90 cm Surround speaker Center speaker Monitor Subwoofer z1 z1: 22 ~ 30° z2: 90° ~ 110° Connections Subwoofer z2 z1 Monitor z 3 z 2 Settings Playback Installing All the Speakers Front Height speakers Front speakers Surround speakers GAs seen from aboveH Surround speakers Surround back speaker Surround Surround back speaker speaker Front speaker 60 to 90 cm Point slightly downwards Multi-zone GAs seen from the sideH GAs seen from aboveH GAs seen from the sideH n When 7.1ch (Surround Back Speaker) Connected Front speakers n When 5.1ch Connected Front speakers Center speaker Monitor Subwoofer z1 z2 Remote Control Information Subwoofer Center speaker Center speaker Monitor Subwoofer z1 z1: 22 ~ 30° z2: 90° ~ 110° z3: 135° ~ 150° z1: 22 ~ 30° z2: 120° z 3 z 2 Surround speaker Surround back speakers Surround speaker Surround speakers Surround back speakers GAs seen from aboveH Surround Surround back speaker speaker Front speaker 60 to 90 cm Point slightly downwards Front speaker Surround speaker 60 to 90 cm Troubleshooting NOTE It is not possible to use the surround back speakers and front height speakers simultaneously. Surround speakers GAs seen from aboveH GAs seen from the sideH GAs seen from the sideH Specifications 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-3310'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. BACK / AMP ASSIGN Speaker connections Example of speaker installation (Number of channels played) MAIN ZONE Normal (Default) L ch : R ch : ZONE2 speaker ZONE3 speaker (5.1) (1) ZONE2 or ZONE3 Surround Back Speakers (7.1) ZONE2/3-MONO Surround Back L Speaker Normal b Connect to the "L" speaker terminal. b Set "Surround Back" (vpage 33) to "Lspkr". Not connected Normal b Set "Surround Back" (vpage 33) to "None". MAIN ZONE Front Height (5.1) (6).

1) Front A Bi-Amp or Front B Bi-Amp Front A or B speakers b For connections, see "About Bi-amp Connections" (vpage 13). (5.1) Front height Speakers (7.



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