Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-1610. You'll find the answers to all your questions on the DENON AVR-1610 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-1610
User guide DENON AVR-1610
Operating instructions DENON AVR-1610
Instructions for use DENON AVR-1610
Instruction manual DENON AVR-1610

DENON

AV SURROUND RECEIVER

AVR-1610

Owner's Manual
Bedienungsanleitung
Manuel de l'Utilisateur
Manuale delle istruzioni
Manual del usuario
Gebruiksaanwijzing
Bruksanvisning

※ Button illustrations used in this manual for operation explanation are for the Remote Control Unit.
You can operate the unit using the button of the same name on the front panel of the unit.

※ Die in diesem Handbuch verwendeten Tasten-Illustrationen für die Betriebserklärung beziehen sich auf die Fernbedienung.
Sie können das Gerät mit der gleichnamigen Taste an der Frontkonsole des Gerätes bedienen.

※ Les illustrations des boutons présentes dans ce manuel servent à expliquer le fonctionnement de la télécommande.
Vous pouvez contrôler l'appareil à l'aide du bouton portant le même nom sur la façade de l'appareil.

※ Le illustrazioni dei pulsanti mostrate in questo manuale di spiegazione si riferiscono al telecomando.
E' possibile adoperare l'unità utilizzando i pulsanti del nome corrispondente presenti sul pannello frontale dell'unità.

※ Las ilustraciones de los botones utilizadas en este manual con propósitos de explicación son para la unidad del mando a distancia.
Puede operar la unidad utilizando el botón del mismo nombre en el panel delantero de la unidad.

※ De gebruikte toetsillustraties in deze handleiding voor uitleg van de bediening zijn voor de afstandsbediening.
U kunt het toestel bedienen door de toets met dezelfde naam op het voorpaneel van het toestel te gebruiken.

※ Bilder på knappar i denna bruksanvisning för att förklara användningen gäller fjärrkontrollen.
Du kan också använda knapparna med samma namn på frontpanelen på enheten.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

Manual abstract:

Vous pouvez contrôler l'appareil à l'aide du bouton portant le même nom sur la façade de l'appareil. b Le illustrazioni dei pulsanti mostrate in questo manuale di spiegazione si riferiscono al telecomando. E' possibile adoperare l'unità utilizzando i pulsanti del nome corrispondente presenti sul pannello frontale dell'unità. @@@@@@@@b Bilder på knappar i denna bruksanvisning för att förklara användningen gäller fjärrkontrollen. Du kan också använda knapparna med samma namn på frontpanelen på enheten. ENGLISH DEUTSCH FRANCAIS ITALIANO ESPAÑOL NEDERLANDS SVENSKA n SAFETY PRECAUTIONS RISK OF ELECTRIC SHOCK DO NOT OPEN CAUTION CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. 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.

1. 2. 3. 4. 5.

6. 7. WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. Read these instructions. 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. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 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. 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 ANGÅENDE 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. Permite 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.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

· 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. · Aucune flamme nue, par exemple une bougie, ne doit être placée sur l'appareil. · Veillez 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 stopkontakt 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'apparecchiatura 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 auml;ren unter unserer Verantwortung, daß dieses Produkt, auf das sich diese Erklärung bezieht, den folgenden Standards entspricht: EN60065, EN55013, EN55020, EN61000-3-2 und EN61000-3-3. Entspricht den Verordnungen der Direktive 2006/95/EC und 2004/108/EC.
HINWEIS ZUM RECYCLING: Das Verpackungsmaterial dieses Produktes ist zum Recyceln geeignet und kann wieder verwendet werden. Bitte entsorgen Sie alle Materialien entsprechend der örtlichen Recycling-Vorschriften. Beachten Sie bei der Entsorgung des Gerätes die örtlichen Vorschriften und Bestimmungen. Die Batterien d&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 playback ·····2 Accessories ·····2 Cautions on Handling ·····3 Cautions on Installation ·····3 About the Remote Control Unit·····3 Inserting the Batteries ·····3 Operating Range of the Remote Control Unit ·····3 Part Names and Functions ·····4 Front Panel ·····4 Display ·····5 Rear Panel ·····6 Remote Control Unit ·····7 Playback Playing Components ·····34 Playing Blu-ray Disc / DVD Players ·····34 iPod® Playback ·····34 Listening to FM/AM Broadcasts ·····36 Operations During Playback ·····38 Selecting the Surround Mode ·····39 q Playing sources according to the sources' audio signal format/number of channels (Standard Playback) ·····39 w Playing in a DENON original surround mode ·····40 e Direct Playback ·····40 r Stereo Playback ·····40 Adjusting the Sound Field Effects (Parameter) ·····41 Adjusting the sound field effects (Surround Parameter) ·····41 Adjusting the tone (Tone Control) ·····42 Making the MultEQ, Dynamic EQ and Dynamic Volume settings (Audyssey Settings) ·····43 Adjust tonal quality for each speaker using graphic equalizer (Manual EQ) ·····44 Restoring compressed audio to nearly pre-compressed conditions for playback (RESTORER) ·····44 Adjusting the audio delay time while watching the picture (Audio Delay) ·····44 Operating the Connected Devices by Remote Control Unit Registering Preset Codes ·····48 Operating Registered Devices ·····48 Assigning buttons that are Not Used to Operate Other Devices (Punch Through Function) ·····50 Other Information ·····51 Troubleshooting·····57 Restoring all the settings to as they were at the time of purchase (Resetting the Microprocessor) ·····59 Connections Important Information ·····8 Cables Used for Connections ·····8 Converting Input video signals for Output (Video Conversion Function) ·····9 How the on-screen display is displayed depending on the video input signal·····9 Installing/Setting the Speakers ····· 10 Connecting the Speakers ····· 11 Connecting Devices ····· 12 Connecting Devices not Equipped with HDMI connectors ····· 13 Once Connections are Completed ····· 16 Turning the Power On ····· 16

Turning the Power Off ····· 16 Specifications ·····60 List of preset codes ·····End of this manual Checking the Status (Information) ·····45 Convenient functions HDMI Control Function ·····46 Setting the power to standby after a certain amount of time (Sleep Timer Function) ·····46 Playing the picture of a different input source without changing the currently playing sound (Video Select Function) ·····46 Adjust the volume of the different speakers ·····47 Saving frequently used settings (Quick Select Function) ·····47 Various memory functions ·····47 Settings Menu map ····· 17 Examples of On-screen Display and Front Display ····· 18 Making the Optimum Settings for the Connected Speakers Automatically (Audyssey Auto Setup) ····· 19 Making detailed settings (Manual Setup)·····24 Making the input settings (Input Setup)·····30 ENGLISH Getting Started Thank you for purchasing this DENON product.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

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. Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications Flow of operations through playback Perform the operations leading to playback on the AVR-1610 in the order shown below. Connections Installing/Setting the Speakers (vpage 10) Settings Audyssey Auto Setup (vpage 19) Playback Playing Components (vpage 34) Connecting the Speakers (vpage 11) Manual Setup (vpage 24) b Perform "Manual Setup" as necessary. Connecting Devices (vpage 12) Selecting the Surround Mode (vpage 39) Adjusting the Sound Field Effects (vpage 41) Turning the Power On (vpage 16) Input Setup (vpage 30) Accessories Check that the following parts are supplied with the product. qOwner's manual ...

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

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

..... 1 wGetting Started ...
.....
.....
.....

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

.....
.....
.... 1 eService station list .
.....

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

.....
.....
.....
..... 1 rPower cord (Cord length: Approx. 1.6 m) ..

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

1 tRemote control (RC-1120) .....
.....
.....
.....

.....
.....
.....
..... 1 yR03/AAA batteries .....

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

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

.. 2 uFM indoor antenna .....
.....
.....
.....

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

..... 1 iAM loop antenna ..
.....
.....
.....

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

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

.....
.....
.....
... 1 r t u i o 2 ENGLISH 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. 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 Note b b NOTE · 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 Settings b Wall Playback Remote Control About the Remote Control Unit In addition to the AVR-1610, the included remote control unit (RC1120) can also be used to operate the equipment listed below. q DENON system components w Non-DENON system components · By setting the preset memory (vpage 48) Operating Range of the Remote Control Unit Point the remote control unit at the remote sensor when operating it. Information Troubleshooting Inserting the Batteries q Lift the clasp and remove the w Load the two batteries properly rear cover. as indicated by the marks in the battery compartment. R03/AAA 30° 30° Approx. 7 m 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.
e Put the rear cover back on. 3 ENGLISH Part Names and Functions Front Panel W9 o W8 W7 W6 W5 W4 W3 i Button that function in the same way as remote control buttons For buttons not explained here, see the page indicated in parentheses ( ). Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications q Power operation button (ON/STANDBY) ····· (16) n Buttons that function in the same way as Front Panel buttons Q0 Q1 E0 Q2 Q3 Q4 Q5 Q6 Q7 q Q8 Q9 W0 w er ty W1 W2 u Buttons, connectors and displays only provided on the main unit Q8 Power indicator ····· (16) Q9 Power switch (hON jOFF) ····· (16, 59) W0 Headphones jack (PHONES) ····· (38) W1 V. AUX INPUT connectors ····· (15) W2 SETUP MIC jack ····· (20) W3 AUDYSSEY DYNAMIC VOLUME indicator ····· (43) W4 HD AUDIO indicator ····· (39) W5 MASTER VOLUME indicator W6 Display W7 Remote control sensor ····· (3) W8 TUNING PRESET button ····· (36) W9 SOURCE MODE SELECT button ····· (34) E0 FRONT SPEAKER SELECT button ····· (38) w SURROUND MODE buttons ····· (39, 40) e MENU button ····· (17) r Cursor buttons (uiop) ····· (17) t ENTER button ····· (17) y RETURN button ····· (17) u QUICK SELECT buttons ····· (47) i MASTER VOLUME control knob ····· (34) o SOURCE SELECT knob ····· (34) Q0 VIDEO SELECT button ·····(46) Q1 SLEEP TIMER button ·····(46) Q2 RESTORER button ····· (44) Q3 DYNAMIC EQ button ····· (43) Q4 DYNAMIC VOLUME button ····· (43) Q5 MULTEQ button ····· (43) Q6 DIMMER button ····· (38) Q7 STATUS button ····· (45) q u o Q0 Q1 Q3 Q5 e r t y i Q4 Q6 Q7 w Q2 4 ENGLISH Part Names and Functions Getting Started Display Q4 Q3 Q2 Q1 Q0 o iu y Connections Settings q w e o AUDYSSEY indicator r t Q4 Tuner reception mode indicators This

lights according to the reception conditions when the input source is set to "TUNER".

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

· RDS This lights when receiving RDS broadcasts. · AUTO This lights when in the auto tuning mode. · STEREO In the FM mode, this lights when receiving analog stereo broadcasts. · TUNED This lights when the broadcast is properly tuned in. q Decoder indicators The indicator for the currently operating decoder lights. Playback These light as shown below in the different modes (vpage 43).

w Input audio signal indicators e Information display The input source name, surround mode, setting values and other information are displayed here. Remote Control : During "MultEQ" operation : During "MultEQ" , "Dynamic EQ" operation r Front speaker indicator These light according to the settings of the front A and B speakers (vpage 38). Information : During "MultEQ" , "Dynamic EQ", "Dynamic Volume" operation t QUICK SELECT indicators These light when the Quick Select function is set (vpage 47). b hen speaker settings are changed after the W y Master volume indicator When performing setting operations, displays the menu number. Audyssey Auto Setup procedure, either the indicators' frame turns off or all the indicators turn off. Q0 Input mode indicators Troubleshooting Q1 S.BACK indicator Lights when surround back audio signals are being output from the SURR. BACK / FRONT HEIGHT PRE OUT connectors (vpage 25). u SLEEP TIMER indicator Lights when the sleep timer is operating (vpage 46). Specifications i MUTE indicator Lights when the muting mode is set (vpage 38).

Q2 RESTORER indicator Lights during "RESTORER" operation (vpage 44). Q3 HDMI indicator Lights when HDMI input signals are detected (vpage 13). ENGLISH Part Names and Functions Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications Rear Panel Q1 Q0 o i q w e r t y u o COMPONENT VIDEO connectors ·····(14) Q0 Control Dock for iPod S-Video input connector ·····(14) Q1 Control Dock for iPod DOCK CONTROL jack ·····(14) q HDMI connectors ·····(13) w Digital audio connectors ·····(14) e VIDEO connectors ·····(15) r PRE OUT connectors ·····(11) t Analog audio connectors ·····(14) y FM/AM antenna terminals ·····(16) u Speaker terminals ·····(11) i AC inlet (AC IN)·····(16) ENGLISH Part Names and Functions Getting Started Remote Control Unit q w e Q5 Q6 r Q7 Q8 t y u i o Q0 Q1 Q2 W3 W4 Q9 W0 W1 W2 W8 qRemote control signal transmitter wPower buttons ·····(16) eQUICK SELECT buttons ·····(47) rSOURCE SELECT buttons ·····(34) tVIDEO SELECT button ·····(46) yDYNAMIC VOLUME button ·····(43) uMULTEQ button ·····(43) iDYNAMIC EQ button ·····(43) oMENU button ·····(17) Q0Cursor buttons (uiop) ·····(17) Q1ENTER button ·····(17) Q2SEARCH button ·····(35, 37) Q3System buttons ·····(48) Q4 Surround mode buttons ·····(39, 40) Q5 TV POWER button ·····(49) Q6 TV INPUT button ·····(49) Q7FRONT HEIGHT SPEAKER ON/OFF button ·····(42) Q8INPUT MODE button ·····(32) Q9SLEEP TIMER button ·····(46) W0Device select switch·····(34, 48) W1MUTING button ·····(38) W2Channel level adjustment button ·····(47) W3Master volume control buttons ·····(34) W4RETURN button ·····(17) W5DIMMER button ·····(38) W6STATUS button ·····(45) W7RESTORER button ·····(44) W8Number buttons (0 ~ 9)·····(48) For buttons not explained here, see the page indicated in parentheses ( ).

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

Operations possible by remote control n Operations on the AVR-1610 n Operations on six devices other that the AVR1610 Connections Preset the remote control codes of the devices to be operated beforehand (vpage 48). qSwitch the DEVICE SELECT switch according to the device to be operated. wPress the SOURCE SELECT button for the device to be operated. b For detailed operating instructions, see "Operating registered devices" (vpage 48). Settings Playback Remote Control q DEVICE SELECT switch TUNER/AMP w SOURCE SELECT button - Operable devices AVR-1610 and Tuner DVD Player or CD player Blu-ray disc player iPod (DENON) Information Troubleshooting Q3 W5 W6 Q4 W7 DEVICE Digital video recorder Video deck Satellite receiver or Cable TV TV TV Specifications n Punch through setting (vpage 50) 7 ENGLISH Connections n Connection Flow Installing/Setting the Speakers (vpage 10) Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications 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. Cables Used for Connections Select the cables according to the equipment being connected. Connecting the Speakers (vpage 11) Audio and video cables HDMI connections HDMI cable NOTE Connecting Devices (vpage 12) · 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. Audio cables Coaxial digital connections Optical digital connections Analog connections (White) (Red) L R Coaxial digital cable Connecting Devices not Equipped with HDMI connectors (vpage 13) Optical cable L R n HDMI (vpage 12) n Monitor (TV) (vpage 13) n Playback Components Stereo pin-plug cable · Blu-ray Disc player / DVD player (vpage 14) · iPod® (vpage 14) Analog connections (monaural, for subwoofer) Speaker connections Pin-plug cable n SAT/CABLE Tuner (vpage 14) n Recording Components n Other Devices n Power Cord · Digital Video Recorder (vpage 15) · Video Cassette Recorder (vpage 15) · Video Camera / Game Console (vpage 15) · Antenna terminals (vpage 16) Component video connections (Green) (Blue) (Red) Speaker cables Video cables Component video cable S-Video connections Turning the Power On (vpage 16) S-Video cable Video connections (Yellow) 75 /ohms pin-plug video cable 8 ENGLISH Important Information Getting Started Converting Input video signals for Output (Video Conversion Function) The AVR-1610 is equipped with four types of video input connectors (HDMI, Component video, S-Video and video) and three types of video output connectors (HDMI, Component video and video). Use the connectors according to the devices to be connected. This function automatically converts various formats of video signals input to the AVR-1610 into the format used to output the video signals from the AVR-1610 to a monitor.

AVR-1610 Video devices Monitor (TV) How the on-screen display is displayed depending on the video input signal The way the on-screen display of the menus, status, etc., is displayed differs according to the type of video signal input to the AVR-1610. Connections When video signals are input from the HDMI or component video connectors · Menu: Switches to a screen with a black background and the menu is superimposed. (b) · Status display: Not displayed. Settings b: If you want to display the menus superimposed on the picture being played, input the same video signals to the video connectors. When a menu is displayed, the picture switches to the one being input from the video connectors and the menu is displayed superimposed over this picture. Playback Output Input (IN) HDMI connector Output (MONITOR OUT) HDMI connector Component video connectors Input NOTE Menus and status display screens are not displayed for component video connector pictures. To display them, also connect the video connectors. Remote Control HDMI connector HDMI connector When video signals are being input from the S-Video or video connectors · Menu: Menus are displayed superimposed over the picture being played. · Status display: Displayed.

Information Component video connectors Component video connectors Component video connectors n Examples of on-screen display S-Video connector S-Video connector Video connector Video connector Video connector · Menu screen · Status display screen When the input source is switched When the volume is adjusted Troubleshooting Video connector MENU 1.Parameter 2.Information 3.Auto Setup 4.Manual Setup 5.

Input Setup [Auto] IN :DVD MODE:STEREO Specifications The video conversion function supports the NTSC, PAL, SECAM, NTSC 4.43, PAL-N, PAL-M and PAL-60 formats. NOTE · The S-Video input connector is exclusively for use with a Control Dock for iPod. It can be used when the Control Dock for iPod is connected to the connector assigned to the iPod input source. · 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. [ENT]:Select Master Volume -80.0dB Status display: The operating status is displayed temporarily on the screen when the input source is switched or the volume is adjusted. ENGLISH Installing/Setting the Speakers · The AVR-1610 is compatible with various types of surround playback. · Decide on the surround modes to be played on the AVR-1610 before making connections and settings. 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. Surround speakers Surround back speakers GAs seen from aboveH z4 z5 Surround Surround back speaker speaker Front speaker 2 to 3 feet / 60 to 90 cm Point slightly downwards z2 4 Surround speaker Surround back speakers Surround speaker Surround speakers Surround back speaker GAs seen from aboveH z Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications n When 7.1ch (Surround Back Speaker) Connected Front speakers Center speaker Monitor Subwoofer n When 5.1ch Connected Front speakers Center speaker Monitor Subwoofer z1 z1: 22 ~ 30° z2: 90° z3: 110° z 3 z4: 30° z5: 45° z1: 22 ~ 30° z2: 120° z1 a Determine the Speaker Layout.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

z 2 Front speaker Surround speaker 2 to 3 feet / 60 to 90 cm Installing All the Speakers Front Height speakers Surround speakers GAs seen from aboveH GAs seen from the sideH GAs seen from the sideH Front speakers Subwoofer Center speaker n When 6.1ch Connected Front speakers Center speaker Monitor Subwoofer n When 7.1ch (Front Height Speaker) Connected z1: 22 ~ 30° z2: 90° z3: 110° Front height speakers Front speakers Center speaker Subwoofer Surround Surround back speaker speaker Front speaker 2 to 3 feet / 60 to 90 cm Point slightly downwards z2 z1 z1: 30° z2: 45° z3: 90° z4: 110° z1 z z 2 3 Monitor z 3 Point slightly downwards Front height speaker Front speaker Surround speaker 2 to 3 feet / 60 to 90 cm NOTE · It is not possible to use the front height speakers and surround back speakers simultaneously. · To play surround back speakers or front height speakers, connect a power amplifier to the AVR-1610's SURR. BACK / FRONT HEIGHT PRE OUT connectors (vpage 11). GAs seen from the sideH Surround speakers GAs seen from aboveH GAs seen from the sideH 0 ENGLISH Installing/Setting the Speakers Connecting the Speakers Subwoofer with builtin amplifier Front speakers A Front speakers B Center speaker Surround speakers Getting Started s Set the "Pre Assign" Mode According to the Speaker Layout. The signals output from the AVR-1610's SURR. BACK / FRONT HEIGHT PRE OUT connectors can be switched to signals of the surround mode being used (vpage 24 "Pre Assign"). Connections Pre Assign mode (vpage 24) The speaker which plays the a sound output from the SURR. Example of speaker installation BACK / FRONT HEIGHT PRE OUT connectors w (L) (R) (L) (R) (L) (R) q w q w q w q w q Settings w qw q Normal (Default) Surround back speakers (7.

1) Playback Remote Control Surround back speakers Normal b Connect to the SURR. BACK / FRONT HEIGHT PRE OUT "L" connector. b Set "S.Back (Pre out)" (vpage 25) to "1ch". Information (6.

1) Not connected Normal Set the "S.Back (Pre out)" setting b (vpage 25) to "None" . (5.1) R L Troubleshooting Power amplifier Front Height Front Height speakers w q w q To play surround back speakers or front height speakers, connect a power amplifier to the AVR-1610's SURR. BACK / FRONT HEIGHT PRE OUT connectors.

Make the "Pre Assign" (vpage 24) settings. (7.1) (L) (R) Front Height speakers R L Specifications or Surround back speakers ENGLISH Connecting the Speakers Connecting the Speaker Cables Carefully check the left (L) and right (R) channels and + (red) and (black) polarities on the speakers being connected to the AVR-1610, and be sure to interconnect the channels and polarities correctly. Protection circuit If the core wires touch the rear panel and the screws etc., or the ± sides touch each other, the protection circuit will be activated and the power indicator will flash red at intervals of 0.5 secs. If the protection circuit is activated, the speaker output is isolated, and the power supply goes to the standby state. If the power supply is turned off, after the power supply cord is withdrawn, please confirm that speaker cable and input cable are connected. Also, if replaying large sound levels by using a speaker having an impedance less than that specified (eg, 4 /ohms), the temperature will rise, and the protection circuit might be activated. The power supply will go into the standby state, and the power indicator will flash red at 2 second intervals.

In this case, please switch off the power supply, and wait until the AVR-1610 has cooled down, and the surrounding ventilation is good. Even if there are no problems with the surrounding ventilation and connections, in the event of the protection circuit becoming activated, due to thinking that the AVR-1610 has failed, please contact DENON Service center after switching off. Connecting Devices Connecting Devices Equipped with HDMI connectors Important Information n About HDMI "HDMI" is the abbreviation of "High Definition Multimedia Interface". This interface allows transfer of digital video signals and digital audio signals over a single HDMI cable. "HDMI", "HDMI logo" and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC. Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications 1 Peeloffabout10mmofsheathingfromthetip ofthespeakercable,theneithertwistthecore wiretightlyorterminateit. Turn the speaker terminal counterclockwise toloosenit. Insertthespeakercable'scorewiretothehilt intothespeakerterminal. Turnthespeakerterminalclockwisetotighten it. 2 3 4 n Functions usable with HDMI connections Deep Color Eliminates on-screen color banding, for smooth tonal transitions and subtle gradations between colors.

x.v.Color Use speakers with an impedance of 6 to 16 /ohms. When using front A and B speakers simultaneously, use speakers with an impedance of 12 to 16 /ohms. Enables displays with natural, vivid colors.

"x.v.Color" is a Sony registered trademark. Auto Lip Sync (vpage 27) HDMI 1.3 incorporates an automatic video/audio synching capability that allows devices to perform this synchronization automatically with total accuracy.

NOTE · Connect the speaker cables in such a way that they do not stick out of the speaker terminals. The protection circuit may be activated if the core wires touch the rear panel or if the + and sides touch each other (v "Protection circuit"). · Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock. HDMI control function (vpage 27, 46) This function allows you to operate external devices from the receiver and operate the receiver from external devices. NOTE These functions will not work if the device connected to the HDMI connector does not support Deep Color or x.v.Color signal transfer or the Auto Lip Sync function. n Copyright protection system (HDCP) The AVR-1610 supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a copyright protection technology for digital video signals.

The devices connected to the AVR-1610 must also support HDCP. NOTE When a device that does not support HDCP is connected, video signals are not properly output. 2 ENGLISH Connecting devices Connections The AVR-1610 allows connection of inputs from up to 3 HDMI devices and output to 1 TV. DVD Player Blu-ray Disc Player SAT/CABLE Tuner Monitor (TV) n Connecting to a device equipped with a DVI-D When an HDMI/DVI conversion cable (sold separately) is used, the HDMI video signals are converted to DVI signals, allowing connection to a device equipped with a DVI-D connector.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

connector Connecting Devices not Equipped with HDMI connectors Monitor (TV) · Select the terminal to use and connect the device. · For video connections, see "Converting input video signals for output (Video Conversion Function)" (vpage 9). For instructions on HDMI connections, see "Connecting Devices Equipped with HDMI connectors" on page 12. Monitor (TV) Getting Started Connections NOTE · No sound is output when connected to a device equipped with a DVI-D connector. Also make the audio connections. · Signals cannot be output to DVI-D devices that do not support HDCP.

· Depending on the combination of devices, the video signals may not be output. Settings Playback n Settings related to HDMI connections Set as necessary. For details, see the respective reference pages. Remote Control Input connector assignment (vpage 31) HDMI Setup (vpage 27) Set this when changing the input sources of the different connectors. Make these settings related to HDMI input/output signals.

· Auto Lip Sync · HDMI Audio Out · HDMI Control · Standby Source · Power Off Control Information · Use a cable on which the HDMI logo is indicated (a certified HDMI product) for connection to the HDMI connector. Normal playback may not be possible when using a cable other than one on which the HDMI logo is indicated (a non-HDMI-certified product). · When the AVR-1610 is connected to other devices with HDMI cables, also connect the AVR-1610 and TV using an HDMI cable. · When a device supporting Deep Color signal transfer is connected, use a cable compatible with HDMI ver.1.

3a. · Video signals are not output if the input video signals do not match the monitor's resolution. In this case, switch the Blu-ray Disc player / DVD player's resolution to a resolution with which the monitor is compatible. NOTE The audio signals output from the HDMI connectors are only the HDMI input signals. Troubleshooting Specifications NOTE · If the menu "HDMI Audio Out" setting (vpage 27) is set to "Amp", the sound may be interrupted when the monitor's power is turned off. · The audio signal from the HDMI output connector (sampling frequency, number of channels, etc.) may be limited by the HDMI audio specifications of the connected device regarding permissible inputs. The component video connectors may be indicated differently on your monitor. For details, see the monitor's operating instructions. 3 ENGLISH Connecting Devices not Equipped with HDMI connectors Getting Started Connections Settings Playback L R R L L R Playback Components Blu-ray Disc player / DVD player Select the terminal to use and connect the device.

For instructions on HDMI connections, see "Connecting Devices Equipped with HDMI connectors" on page 12. Blu-ray Disc player / DVD player SAT/CABLE Tuner Control dock for iPod® Use a DENON control dock for iPod (ASD-1R, ASD-11R, ASD-3N or ASD-3W sold separately) to connect the iPod to the AVR-1610. For instructions on the control dock for iPod settings, refer to the control dock for iPod's operating instructions. Control dock for iPod ASD-3N or ASD-3W L R Select the terminal to use and connect the device. For instructions on HDMI connections, see "Connecting Devices Equipped with HDMI connectors" on page 12. SAT/CABLE Tuner Remote Control Information Troubleshooting Specifications L R R L Set as necessary Set as necessary Set this to change the input signal to which the input source is assigned. "Assign" (vpage 31) Set this to change the input signal to which the input source is assigned. "Assign" (vpage 31) Set as necessary Set this to assign the iPod to a connector other than "VCR (iPod)". "iPod Dock" (vpage 31) NOTE When connected to a Blu-ray Disc player, and playing Dolby TrueHD, DTS-HD, Dolby Digital Plus, connect the HDMI. With the default settings, the iPod can be used connected to the VCR (iPod) connector.

4 ENGLISH Connecting Devices not Equipped with HDMI connectors Getting Started Recording Components Digital Video Recorder Select the terminal to use and connect the device. For instructions on HDMI connections, see "Connecting Devices Equipped with HDMI connectors" on page 12. DVD Recorder Other Devices Video Cassette Recorder Select the terminal to use and connect the device. For instructions on HDMI connections, see "Connecting Devices Equipped with HDMI connectors" on page 12. Video cassette recorder Video Camera / Game Console Video camera / Game console Connections Settings R L Playback L R L R L R L R R L Remote Control L R L R L R L R Information Troubleshooting Specifications Set as necessary Set this to change the input signal to which the input source is assigned.

"Assign" (vpage 31) Set as necessary Set this to change the input signal to which the input source is assigned. "Assign" (vpage 31) NOTE · To record video signals through the AVR-1610, use the same type of video cable for connection between the AVR-1610 and the player as the cable used for connection between the AVR-1610 and the recorder. · Digital signals are not output from the analog REC OUT connector. NOTE · To record video signals through the AVR-1610, use the same type of video cable for connection between the AVR-1610 and the player as the cable used for connection between the AVR1610 and the recorder. · Digital signals are not output from the analog REC OUT connector.

ENGLISH Connecting Devices not Equipped with HDMI connectors Antenna terminals Direction of broadcasting station FM antenna n Connection of AM antennas 75 /ohms Coaxial cable FM indoor antenna (supplied) AM loop antenna (supplied) 1 2 3 Once Connections are Completed Turning the Power On Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications Pushthelever. Insertthecondutor. 1 2 Press . The power indicator lights red and the power is set to the standby mode. Returnthelever. Press . The power indicator flashes green and the power turns on. Black White NOTE · Do not connect two FM antennas simultaneously. · Even if an external AM antenna is used, do not disconnect the AM loop antenna. · Make sure the AM loop antenna lead terminals do not touch metal parts of the panel.

b Also press When when in standby mode, the power turns on. has been pressed, the input is set. has been pressed, the input source stored Ground AM outdoor antenna source set with the If a n AM loop antenna assembly 1 Remove the vinyl tie and take out the connectionline. Bendinthereversedirection.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452

With the antenna on top of any stablesurface. Mount Connecting the Power Cord Wait until all connections have been completed before connecting the power cord. in the memory for the quick select function is set (vpage 47 "Saving frequently used settings (Quick Select Function)"). 2 3-1 Power cord This operation can also be performed by pressing a the main unit. To household power outlet (AC 230 V, 50 Hz) on Turning the Power Off 3-2With the antenna attached to a wall. Installation hole Mount on wall, etc.

1 2 NOTE Insert the AC plugs securely. Incomplete connections could cause noise. Press . The power is set to the standby mode. Press .

The power indicator turns off, and so does the power. NOTE Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time or when traveling, either press to turn off the power, or unplug the power cord from the power outlet. ENGLISH Settings With the AVR-1610, settings and operations for most functions can be performed by operating while looking at the menus displayed on the monitor screen. Getting Started Menu map n Operations Connections b return to the previous item, press To b Select "Default Yes", then press reset to the default setting.

1 Press . The menu is displayed. 2 Pressuito selecttheitem . Setting items you want to set,thenpress 3 Press ui to selecttheitem . Number 1-1 1-2 1-3 1-4 1-5 1-6 2-1 2-2 2-3 2-4 2-5 2-6 3-1 3-2 you want to set,thenpress to select 4 Use uioptoset. the item, thenpress . to 5Press . The settings made up to that point are entered and the settings menu screen turns off. Page 41 42 43 44 44 44 45 45 45 45 45 45 19 23 Settings n Setting menus Detailed items Surround Parameter Tone Control Audyssey Settings Manual EQ RESTORER Audio Delay Status Audio Input Signal HDMI Information Auto Surround Mode Quick Select Preset Channel Audyssey Auto Setup Parameter Check Description Adjust surround sound parameters. Adjusts the treble and bass tone.

Makes the MultEQ, Dynamic EQ and Dynamic Volume settings. Adjust tonal quality for each speaker using graphic equalizer. Uncompress compressed sources and apply bass boost for richer sound. Compensate for incorrect timing between video and audio. Shows information about current settings. Shows information about audio input signals. Displays the HDMI input/output signals and TV information. Displays the settings stored for the auto surround mode. Displays the settings stored for the Quick Select function. Shows information about preset channels.

Makes the optimum settings for the speakers being used automatically. Check Audyssey Auto Setup measurement results. This item is only displayed after the Audyssey Auto Setup procedure has been performed. Sets the speaker size and distance, the channel level, etc. Make settings for HDMI video/audio output. Make settings for audio playback. Make various other settings. Change input connector assignment. Sets the audio input mode and decode mode. Change the display name for this source.

Adjust the playback level of the audio input. Make settings for iPod playback. Use the auto preset function to program radio stations. Set the preset memories that you do not want to display when tuning. Assign name to a preset memory. Playback MENU 1.Parameter 2.Information 3.Auto Setup 4.Manual Setup 5.

Input Setup 1. Parameter Adjust various audio parameters. Remote Control 2. Information Show information about receiver settings, input signals, etc. Information [ENT]:Select Items that only need to be set once Set these for example upon purchase. Once these items are set, there is no need to set them again unless the speaker layout or the connected speakers have been changed. 3. Auto Setup Makes the optimum speaker settings and corrects for the acoustic characteristics of the room. 4. Manual Setup Use this to make various types of detailed settings.

5. Input Setup Use this to make settings related to playing input sources. Troubleshooting 4-1 4-2 4-3 4-4 5-1 5-2 5-3 5-4 5-5 5-1 5-2 5-3 Speaker Setup HDMI Setup Audio Setup Option Setup Assign Input Mode Rename Source Level iPod Playback Mode Auto Preset Preset Skip Preset Name 24 27 28 28 31 32 32 33 33 33 33 33 Specifications 7 ENGLISH Examples of On-screen Display and Front Display Below we describe typical examples of displays on the TV screen and on the set's display window. Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications On-screen Display Front Display Description n Top menu display w 1.Parameter q 2.

Information 3.Auto Setup 4.Manual Setup 5.Input Setup MENU e Parameter q : The menu items are displayed here. w : The selected line is displayed here. The currently selected item is displayed on the display. Use ui to move to the item you want to set. e : The number of the current selected setting menu is displayed. e [ENT]:Select w n Display when changing settings q 5-1-1.Input AssignComp HDMI Digi DVD HDP TV SAT/CBL VCR/iPod DVR w3 1 2 1 01 C1 02 2 q DVD [HDMI1] q : The number of the current selected setting menu is w : Use uio p to move to the item you want to set. e : Press to set to the mode in which the setting can be made. displayed. w e [ENT]:Select [RTN]:Back DVD HDP TV SAT/CBL VCR/iPod DVR Press . 1 Press . q 5-1-1.

Input AssignComp HDMI Digi r3 1 2 01 C1 02 2 DVD ·HDMI1 r r : 0 1 is displayed at the sides of items whose setting can be changed. Use op to change to the desired setting. [ENT]:Select [RTN]:Back n Display when inputting characters e 5-3.Rename DVD Default : q DVD q : When op is pressed, the cursor moves to the left or right. w : When ui is pressed at the position at which you want to DVD ·¡ DVD w e q e : The number of the current selected setting menu is displayed. input the character, the character is input. [SRCH]:Caps. [ENT]:OK [RTN]:Cancel n Display when resetting w 5-3.Rename Default DVD :[DVD] q w q Default [ ]:Up/Down [ENT]:Select [RTN]:Back q : Press i to select "Default" then press , to set. w : The number of the current selected setting menu is displayed.

Default? :· No w 8 ENGLISH Making the Optimum Settings for the Connected Speakers Automatically (Audyssey Auto Setup) The acoustic characteristics of the connected speakers and listening room are measured and the optimum settings are made automatically. Getting Started n Audyssey Auto Setup Flow Step 1 :Connect the included Setup Microphone (vpage 20) Important Information Audyssey MultEQ® automatically measures the acoustical problems in the listening environment to create the best audio experience for your home theater.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide

http://yourpdfguides.com/dref/2466452

· When the Audyssey Auto Setup procedure is performed, the MultEQ, Dynamic EQ and Dynamic Volume functions (vpage 43) are enabled. · Use the included setup microphone (DM-A409) to perform the Audyssey Auto Setup procedure. · Measurements are performed by placing the calibrated microphone successively at multiple positions throughout the listening area as shown in GExample qH.

*For best results, it is strongly recommended to measure 6 positions so that the measurements have the proper spatial weighting. Even if the listening environment is small as shown in GExample wH, measuring at multiple points throughout the listening environment results in more effective correction. FHL FL SW C FR FHR SR SBR SBL SL : Front height speaker (L) : Front speaker (L) : Subwoofer : Center speaker : Front speaker (R) : Front height speaker (R) : Surround speaker (R) : Surround back speaker (R) : Surround back speaker (L) : Surround speaker (L) Connections Settings Step 2 :Audyssey Auto Setup Preparations (vpage 20) Playback n Setting the speakers for playing the front channel (Front Sp.) (vpage 20) Remote Control n Changing the PRE OUT connectors assignment (Pre Assign) (vpage 21) About the main listening position (*M) The main listening position refers to the most central position where one would normally sit within the listening environment. MultEQ uses the measurements from this position to calculate speaker distance, level, polarity, and the optimum crossover value for the subwoofer.*

*n When using Front Height Speakers Step 3 : Performing the Audyssey Auto Setup Procedure (vpage 21) GExample qH FHL FL SW C FR FHR FHL Information GExample wH FL SW C FR FHR NOTE (: Measuring positions) · Loud test sounds may be played during Audyssey MultEQ automatic speaker setup. This is part of normal operation. If there is background noise in room, these test signals will increase in volume. · Do not stand between the speakers and setup microphone or allow obstacles in the path while the measurements are being made. This will cause inaccurate readings. · Make the room as quiet as possible. Background noise can disrupt the room measurements. Close windows, silence cell phones, televisions, radios, air conditioners, fluorescent lights, home appliances, light dimmers, or other devices as measurements may be affected by these sounds. Cell phones should be placed away from all audio electronics during the measurement process as Radio Frequency Interference (RFI) may cause measurement disruptions (even if the cell phone is not in use). Troubleshooting n Check Audyssey Auto Setup Measurement Results (Parameter Check) (vpage 23) *M *M Specifications SL SR SL SR n When using Surround Back Speakers GExample qH FL SW C FR GExample wH FL SW C FR (: Measuring positions) SL SR SL SR *M *M SBL SBR SBL SBR ENGLISH Making the Optimum Settings for the Connected Speakers Automatically (Audyssey Auto Setup) Getting Started Connections Settings Playback Remote Control Information Troubleshooting Specifications Step 1 : Connect the included Setup Microphone NOTE · Do not disconnect the setup microphone until the Audyssey Auto Setup procedure is completed.*

· When using headphones, unplug the headphones before starting the Audyssey Auto Setup procedure. NOTE · Do not hold the microphone in your hand during measurements. · Avoid placing the microphone close to a seat back or wall as sound reflections may give inaccurate results. Step 2 : Audyssey Auto Setup Preparations around items indicate the settings made upon purchase. If adjustment to the environment is necessary, set the following items before proceeding. 1 Checkthespeakerconnections. 2 TurnonthepoweroftheTVandsubwoofer. 3 TurnontheAVR-1610'spower. 4 Connecttheincludedcalibratedsetupmicrophoneto theSETUPMICjackonthemainunit. (vpage 11 "Connecting the Speakers") Set the TV's input to the AVR-1610.

(vpage 16 "Turning the Power On") The Audyssey Auto Setup screen appears automatically. Sound receptor When using a subwoofer on which the volume can be adjusted and the crossover frequency can be set When using a subwoofer, make the following settings before starting the Audyssey Auto Setup procedure: Setting the speakers for playing the front channel (Front Sp.) The front speaker to be measured can be selected ahead of time here. n When using a subwoofer with a direct mode Set the direct mode to "On" and disable the volume adjustment and crossover frequency setting. n When using a subwoofer without a direct mode Make the following settings: · Volume :"12 o'clock position" · Crossover frequency :"Maximum/Highest Frequency" · Low pass filter :"Off" · Standby mode :"Off" 1 Pressuitoselect"FrontSp.

". 2 Useoptoselectthespeakers. 3-1.Audyssey Auto Setup MultEQ Please place microphone at ear height at main listening position. Front Sp.

: A Pre Assign: Normal Start Cancel [ENT]:Select [RTN]:Back A : The sound is output from front speakers A when measuring the front speakers. : The sound is output from front speakers B when measuring the front speakers. and B when measuring the front speakers. 5 Mountthesetupmicrophoneonatripodorstandand installitatthemainlisteningposition. When installing the setup microphone, adjust its height so that the section where the sound is received is at the height of the ears during listening. B A + B : The sound is output simultaneously from front speakers A n To cancel Audyssey Auto Setup Use ui to select "Cancel", then use o p to select "Yes". Setup microphone 20 ENGLISH Making the Optimum Settings for the Connected Speakers Automatically (Audyssey Auto Setup) Getting Started Changing the PRE OUT connectors assignment (Pre Assign) The signals output from the AVR-1610's SURR. BACK / FRONT HEIGHT PRE OUT connectors can be switched to signals of the surround mode being used. Step 3 : Performing the Audyssey Auto Setup Procedure · The Audyssey Auto Setup function detects the presence of each speaker and automatically calculates the speaker size, channel level, distance, and optimal crossover frequency setting. Audyssey MultEQ corrects acoustical distortions within the listening area.

· Once started, MultEQ will play a series of test tones through each speaker. · Before starting, connect and position all of your speakers. 5 PerformStep4repeatedlyforthe3rd,4th,5th,and 6thmeasurements. Once measurements for the sixth position are completed, "All the measurements were finished." is displayed. Connections 1 2 Press o p to select PreAssignMode. Pressuitoselect"PreAssign". b Measure at a total of six positions, including the main listening position and positions around it.

You're reading an excerpt. Click here to read official DENON AVR-1610 user guide
http://yourpdfguides.com/dref/2466452