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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON AVR-2809. You'll find the answers to all your questions on the DENON AVR-2809 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-2809
User guide DENON AVR-2809
Operating instructions DENON AVR-2809
Instructions for use DENON AVR-2809
Instruction manual DENON AVR-2809

DENON

AV SURROUND RECEIVER

AVR-2809

Owner's Manual
Bedienungsanleitung
Manuel de l'Utilisateur



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Manual abstract:

@@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. 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. nNOTEONUSE/HINWEISEZUMGEBRAUCH/OBSERVATIONSRELATIVESAL'UTILISATION · 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. · Do not obstruct the ventilation holes.

· Decken Sie den Lüftungsbereich nicht ab. · Ne pas obstruer les trous d'aération. WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. · DECLARATION OF CONFORMITY We declare under our sole responsibility that this product, to which this declaration relates, is in conformity with the following standards: EN60065, EN55013, EN55020, EN61000-3-2 and EN61000-3-3. Following the provisions of 2006/95/EC and 2004/108/EC Directive.

z (For apparatuses with ventilation holes) · ÜBEREINSTIMMUNGSERKLÄRUNG Wir erklären 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. · 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. · 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. · 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. DENON EUROPE Division of D&M Germany GmbH An der Landwehr 19, Nettetal, D-41334 Germany · 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. · 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. · 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. · Never disassemble or modify the unit in any way. · Versuchen Sie niemals das Gerät auseinander zu nehmen oder zu verändern. · Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.

I ENGLISH 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.

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· 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.

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<i>product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations. When discarding the unit, comply with local rules or regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal. This product and the supplied accessories, excluding the batteries, constitute the applicable product according to the WEEE directive. HINWEISZUMRECYCLING: 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 dürfen nicht in den Hausmüll geworfen oder verbrannt werden; bitte entsorgen Sie die Batterien gemäß der örtlichen Vorschriften.</i>		
<i>Dieses Produkt und das im Lieferumfang enthaltene Zubehör (mit Ausnahme der Batterien!) entsprechen der WEEE-Direktive.</i>		
<i>UNEREMARQUECONCERNANTLERECYCLAGE: 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. ENGLISH</i>		
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55	List of preset codes		End of this manual ENGLISH GettingStarted Connections Getting Started Thank you for purchasing this DENON product.	



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

Caution on Handling - Before returning 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.

Caution 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.

About the Remote Control Unit In addition to the AVR-2809, the included main remote control unit (RC-1102) can also be used to operate the equipment listed below. **q DENON system components w Non-DENON system components** - By setting the preset memory (v page 56 ~ 58) - By using the learning function (v page 59) **Accessories** Check that the following parts are supplied with the product. **Setup Playback Remote Control 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. 1.6 m)

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..... 1 t Main remote control unit (RC-1102)

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..... 1 y LR6/AA batteries (for RC-1102)

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.. 2 u Sub remote control unit (RC-1106)

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.... 1 i R03/AAA batteries (for RC-1106)

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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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Inserting the Batteries q Lift the clasp and remove the rear cover. (RC-1102) (RC-1106) w Load the two batteries properly as indicated by the marks in the battery compartment. (RC-1102) LR6/AA (RC-1106) R03/AAA Multi-zone r t u Information e Put the rear cover back on. 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. · When replacing the batteries, have the new batteries ready and insert them as quickly as possible.

Troubleshooting o Q0 Q1 Caution 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 Wall Specifications ENGLISH Operating Range of the Remote Control Unit Point the remote control unit at the remote sensor when operating it. Part Names and Functions For buttons not explained here, see the page indicated in parentheses (). Getting Started

Connections Setup Playback Remote Control Multi-zone Information Troubleshooting Specifications Front Panel Q1 Q0 o i u y t (RC-1106) 30° 30° Approx. 7 m (RC-1102) or Q2 Q3 Q4 Q5 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. q w e r G With the door open H E6 E5 E4 E3 E2 E1 E0 W9 W8 W7

W6 W5 Q6 Q7 Q8 Q9 W0 W1 W2 W3 W4 q Power operation button (ON/STANDBY) (48) w Power indicator

..... (48) e Power switch (hON/OFF) (48) r QUICKSELECT buttons/indicators

..... (48) t MASTER VOLUME control knob (48) y AUDYSSEY DYNAMIC VOLUME indicator

(44) u HDAUDIO indicator (39) i Master volume indicator o Display Q0 Remote control sensor

..... (48) Q2 SOURCE button

..... (48) Q3 TUNING PRESET button (49) Q4 ZONE 2/3/REC SELECT button

..... (64) Q5 VIDEO SELECT button (35) Q6 Headphones jack (PHONES)

..... (48) Q7 ZONE 2 ON/OFF button (64) Q8 ZONE 3 ON/OFF button

..... (64) Q9 INPUT MODE button (16, 36) W0

MENU button (19) W1 Cursor buttons (uio p) (19) W2 CHSEL/ENTER button



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AUXINPUTconnectors(16) W5 SETUPMICjack (22) W6
MULTEQXTbutton..... (43) W7 DYNAMICVOLUMEbutton (44) b

AboutDynamicVolume Audyssey Dynamic Volume™ solves the problem of large variations in volume level between television programs, commercials, and between the soft and loud passages of movies.

Audyssey Dynamic EQ™ is integrated into Dynamic Volume so that as the playback volume is adjusted automatically, the perceived bass response, tonal balance, surround impression, and dialog clarity remain the same. b AboutDynamicEQ Audyssey Dynamic EQ solves the problem of deteriorating sound quality as volume is decreased by taking into account human perception and room acoustics. Audyssey Dynamic EQ works in tandem with Audyssey MultiEQ® XT to provide well-balanced sound for every listener at any volume level. Display Q6 Q5 Q4 Q3 Q2 Q1 Q0 o i u y GettingStarted Connections Setup q w e r t Playback RemoteControl q Inputsignalindicators w Inputsignalchannelindicators These light when digital signals are input. Q2 RESTORERindicator This lights when the RESTORER mode is selected. Q3 AL24indicator This lights when AL24 Processing Plus is activated (vpage 67). e Informationdisplay The input source name, surround mode, setting values and other information are displayed here. W8 SPEAKERSbutton (48) W9 SURROUNDBACKbutton (43) E0 STATUSbutton (46) E1 AUDIODELAYbutton (45) E2 RESTORERbutton (45) E3 DIRECT/STEREObutton (39) E4 PUREDIRECTbutton (40) E5 DSPSIMULATIONbutton (39) E6 STANDARDbutton..... (40) Q4 HDMIndicator This lights when playing using HDMI connections.



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r Outputsignalchannelindicators t Front speakerindicator These light according to the settings of the front A and B speakers. Q5 Decoderindicators These light when the respective decoders are operating.

Multi-zone Q6 Tunerreceptionmodeindicators This lights according to the reception conditions when the input source is set to "TUNER". · 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. · RDS This lights when receiving RDS broadcasts.

y Multi-zoneindicators These light when the power for the respective zone is turned on. Information u Mastervolumeindicator i AUDYSSEYMULTEQXTindicator This lights when MultEQ XT is selected. o Inputmodeindicators Q0 Recordingoutputsourceindicator This lights when the REC OUT mode is selected. Troubleshooting Q1 NIGHTindicator This lights when the night mode is selected. Specifications ENGLISH RearPanel Q2 Q1 Q0 o GettingStarted Connections Setup Playback RemoteControl Multi-zone Information Troubleshooting Specifications Q3 Q5 Q3 Q4 Q6 Q5 q w e r t u ACinlet(ACIN).....(19) i ACOUTLET(19) o Digitalaudioconnectors(OPTICAL/COAXIAL)..... (12 ~ 16) Q0 COMPONENTVIDEOconnectors(12, 14) Q1 HDMIconnectors (11, 12, 14, 15) Q2 VIDEO/S-VIDEOconnectors(12 ~16, 18) y u i q RS-232Cconnector(18) w REMOTECONTROLjacks(18) e TRIGGEROUTjacks(18) r DOCKCONTROLjack(13) t Speakerterminals(SPEAKERS)(10) y SIGNALGNDterminal(13) Q3 Analogaudioconnectors(AUDIO) (12 ~ 16) Q4 FM/AMantennaterminals(TUNERANTENNA).....(17) Q5 PREOUTconnectors(10, 17, 18) Q6 EXT.



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INconnectors.....(16) ENGLISH RemoteControlUnit nMainremotecontrolunit(RC-1102) Q7 q w e r t y u i o Q0 Q1 Q2 Q3 Q4 Q5 W4 W5 W6 W7 Q8 Q9 GettingStarted Connections nSubremotecontrolunit(RC-1106) q Signaltransmissionindicator (56) w

Modeselectbuttons (56) e Quickselect/Systemcallbuttons (55, 60) r DYNAMICVOLUMEbutton(DYN) (44) t

MultiEQXTbutton(EQ) (43) y Surroundmodebuttons(38 ~ 40) Standardbutton(STD) (38)

PureDirectbutton(PURE) (40) Direct/Stereobutton(D/ST) (39) DSPsimulationbutton(SIMU) (39) 7CHbutton
..... (39) q The time for which the backlight stays on can be changed (vpage 61 "Setting the Time the Backlight Stays Lit"). i o Q0 w

NOTE · The M. SEL, NET/USB, SAT TU1 and SAT TU2 buttons cannot be used. · The ZONE2 mode QUICK SELECT (1 ~ 3), A.DL, NGT, INPUT, SPKR, TEST and surround mode buttons cannot be used. · The ZONE4 mode cannot be used. Setup Playback RemoteControl Q1 e r t y u Q2 Q3 Q4 W0 W1 W2 W3 u

Systembuttons(57, 58) iAudiodelaybutton(A.DL) (45) o Tunersystembuttons..... (49) Q0

Inputmodebutton(INPUT) (36) Q1 Menu/Searchbutton(MENU/SRCH) (19) Q2 Cursorbuttons(uiop) (19) Q3

RESTORERbutton(RSTR) (45) Q4 HOMEbutton (56) Q5 Channelbuttons(CH) (49) Q6

Inputsourceselect/ Numberbuttons (48, 49) Multi-zone Q6 W8 Q7 Remotecontrolsignaltransmitter (4) Q8

Deviceselectindicators(DEV1/DEV2) ... (56) Q9 ZONE3selectindicators(Z3) (56) W0 Nightbutton(NGT) (45) W1

Testtonebutton(TEST) (27) W2Frontspeakersselectbutton(SPKR) (50) W3 POWERbuttons (50)

W4Channelsselect(CHSEL)/ ENTERbutton (19, 55) W5 Returnbutton(RTN) (19) W6

Mastervolumecontrolbuttons(VOL) (48) W7 Mutingbutton(MUTE) (48, 64) W8 Mainremotecontrolunitsetupbutton (RCSETUP)
..... (56) q Remotecontrolsignaltransmitter (4) w Zonepoweroffbutton(OFF) (64) e CHANNELbuttons
..... (61) r TUNINGbuttons (61) t Systembuttons (61) y REPEATbutton
..... (61) u RANDOMbutton (61) i ZONE2/ZONE3selectswitch (61) o Zonepoweronbutton(ON)
..... (64) Q0 Inputsourceselectbuttons (64) Q1 Volumecontrolbuttons(VOLUME) (64) Q2 Mutingbutton(MUTE)
..... (64) Q3 SHIFTbutton..... (61) The FAVORITES DIRECT PLAYbutton can function when the control dock for
iPod ASD-3N/3W is used.



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Information Troubleshooting Specifications NOTE The DTU, SAT TU1 and SAT TU2 buttons cannot be used. ENGLISH Getting Started Connections Setup Playback RemoteControl Multi-zone Information Troubleshooting Specifications Connections Connections for all compatible audio and video signal formats are described in these owner's manuals.

Please select the types of connections suited for the equipment you are connecting. With some types of connections, certain settings must be made on the AVR-2809. For details, refer to the instructions for the respective connection items below. Preparations Cables Used for Connections Select the cables according to the equipment being connected. 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. Audiocables Coaxial digital connections (Orange) Coaxial digital (75 ohms pin-plug) cable Optical digital connections Optical cable Analog connections (stereo) (White) (Red) L R L R Videocables Component video connections (Green) (Blue) (Red) Component video cable S-Video connections (Y) (PB/CB) (PR/CR) S-Video cable Video connections (Yellow) 75 ohms pin-plug video cable Stereo pin-plug cable Analog connections (monaural, for subwoofer) (Black) Pin-plug cable Speaker connections Audio and video cables HDMI connections 19-pin HDMI cable Speaker cables Audio signal: Output Input Signal direction Video signal: Output Input Input Output Input Output ENGLISH Video Conversion Function · This function automatically converts various formats of video signals input to the AVR-2809 into the format used to output the video signals from the AVR-2809 to a monitor.

· The AVR-2809's video input/output circuitry is compatible with the following four types of video signals: Digital video signals: HDMI Analog video signals: Component video, S-Video and Video G-Flow of video signals inside the AVR-2809 High picture quality playback Speaker Connections Speaker Installation The illustration below shows a basic example of installation of the amplifier combined with 8 speakers and a monitor. Subwoofer Center speaker Surround back speakers Getting Started Connections Setup HDMI connector HDMI connector Playback RemoteControl Component video connectors S-Video connector Component video connectors S-Video connector Monitor Video input terminals Video connector Monitor output terminals Front speakers Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible. Surround speakers Multi-zone : When 480i/576i signals are input Information · When not using this function, connect a monitor output with the same type of connector as the video input connector. · The resolution of the HDMI input-compatible monitor connected to the AVR-2809 can be checked at menu "Information" "HDMI Information" (vpage 47). The table below shows a typical speaker configuration for the AVR-2809.

FRONT L 7.1-channels (FRONT A+B) 7.1-channels 6.1-channels 5.1-channels 3.

1-channels 2.1-channels 2-channels S S S S S S S R S S S S S S SURROUND L S S S S R S S S S SURROUND BACK L S S R S S 1 speaker S Troubleshooting NOTE · HDMI signals cannot be converted into analog signals. · 1080p component video input signals cannot be output to anything other than component video connectors. · 480p/576p, 1080i and 720p component video input signals cannot be converted into S-Video or Video format. · When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. CENTER S S S S SUBWOOFER S S S S S Specifications On-Screen Display for Component Video Outputs and HDMI Output · When viewing HDMI or component video signals via the AVR-2809, the on-screen display appears when the MENU button is operated. · When only HDMI or component video signals are input to the AVR-2809, the characters of the on-screen display are not displayed over the picture. ENGLISH Speaker Connections Example: 5.1 / 7.1-channels Front speakers A Center speaker Subwoofer Subwoofer with built-in amplifier (L) (R) 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-2809, and be sure to interconnect the channels and polarities correctly.

Getting Started Connections Setup Playback RemoteControl Multi-zone Information Troubleshooting Specifications 1 2 3 4 Peel off about 10 mm of sheathing from the tip of the speaker cable, then either twist the core wire tightly or terminate it. Turn the speaker terminal counterclockwise to loosen it. Insert the speaker cable's core wire to the hilt into the speaker w q w q w q terminal. Turn the speaker terminal clockwise to tighten it. NOTE · Use speakers with an impedance of 6 to 16 ohms. When using front A and B speakers simultaneously, use speakers with an impedance of 8 to 16 ohms. · 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.

Protection circuit b L : Left R : Right (L) (R) (L) (R) w q w q w q Surround speakers Surround back speakers When surround back speakers are connected. 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-2809 has cooled down, and the surrounding ventilation is good.



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