DENON

AV SURROUND RECEIVER

AVR-5805CI

OPERATING INSTRUCTIONS

■ SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

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.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

FCC INFORMATION (For US customers)

1. COMPLIANCE INFORMATION
Product Name: AV Surround Receiver
Model Number: AVR-5805CI

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation.

Denon Electronics (USA), LLC
(a D & M Holdings Company)

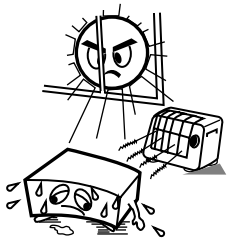
100 Corporate Drive
Mahwah, NJ 07430-2041
Tel. (800) 497-8921

2. IMPORTANT NOTICE: DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by DENON may void your authority, granted by the FCC, to use the product.

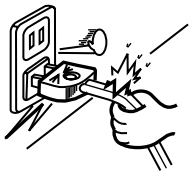
3. NOTE
This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This product generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the product OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the product into an outlet on a circuit different from that to which the receiver is connected.
- Consult the local retailer authorized to distribute this type of product or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

■ NOTE ON USE / OBSERVATIONS RELATIVES A L'UTILISATION

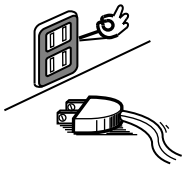


- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed in a rack.
- Eviter des températures élevées
  Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère.

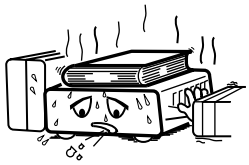


- Handle the power cord carefully.
  Hold the plug when unplugging the cord.
- Manipuler le cordon d'alimentation avec précaution.
  Tenir la prise lors du débranchement du cordon.

- Keep the apparatus free from moisture, water, and dust.
- Protéger l'appareil contre l'humidité, l'eau et lapoussière.

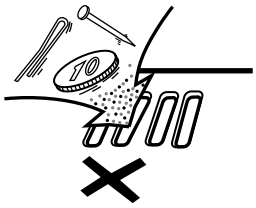


- Unplug the power cord when not using the apparatus for long periods of time.
- Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes.



* (For apparatuses with ventilation holes)

- Do not obstruct the ventilation holes.
- Ne pas obstruer les trous d'aération.



- Do not let foreign objects into the apparatus.
- Ne pas laisser des objets étrangers dans l'appareil.

- Do not let insecticides, benzene, and thinner come in contact with the apparatus.
- Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil.

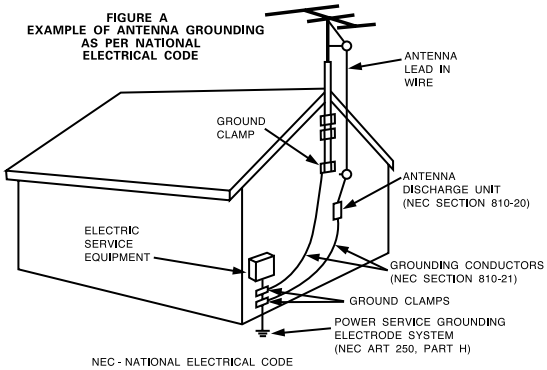
- Never disassemble or modify the apparatus in any way.
- Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre.

SAFETY INSTRUCTIONS

1. Read Instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Sources – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

FIGURE A
EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE



13. Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A.
16. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
17. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
18. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
20. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
21. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged,
    b) If liquid has been spilled, or objects have fallen into the product,
    c) If the product has been exposed to rain or water,
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
    e) If the product has been dropped or damaged in any way, and
    f) When the product exhibits a distinct change in performance – this indicates a need for service.
22. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
23. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
24. Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
25. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

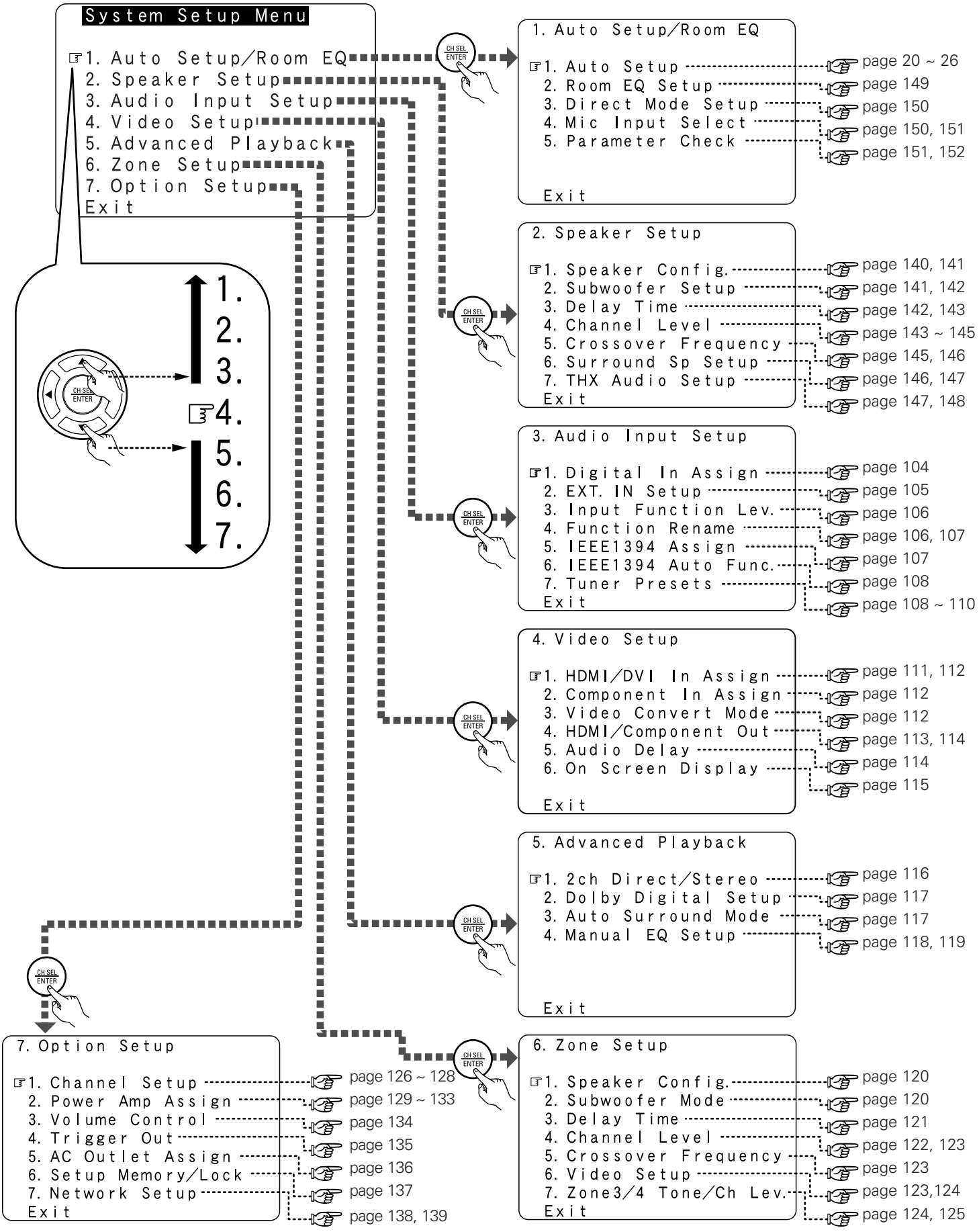
Getting Started

Thank you for choosing the DENON AVR-5805CI AV Surround Receiver. This remarkable component has been engineered to provide superb surround sound listening with home theater sources such as DVD, as well as providing outstanding high fidelity reproduction of your favorite music sources.
As this product is provided with an immense array of features, we recommend that before you begin hookup and operation that you review the contents of this manual before proceeding.

Contents

(to be continued on page 6.)

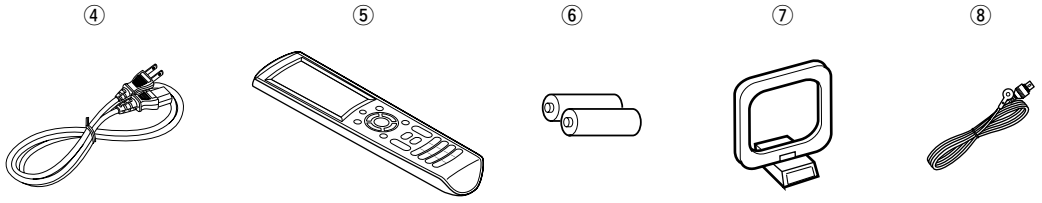
■ System Setup Menu



Accessories

• Check that the following parts are included in addition to the main unit:

① Operating instructions 1
② Warranty (for North America model only).....1
③ Service station list.....1
④ Power supply cord 1
⑤ Remote control unit (RC-1036) 1
⑥ LR6/AA alkaline batteries.....2
⑦ AM loop antenna 1
⑧ FM indoor antenna.....1



Before using

Pay attention to the following before using this unit:

• **Moving the set**
To prevent short circuits or damaged wires in the connection cables, always unplug the power supply cord and disconnect the connection cables between all other audio components when moving the set.

• **Before turning the Power operation button on**
Check once again that all connections are proper and that there are not problems with the connection cables. Always set the power operation button to the standby position before connecting and disconnecting connection cables.

• **Store these instructions in a safe place.**
After reading, store these instructions along with the warranty in a safe place.

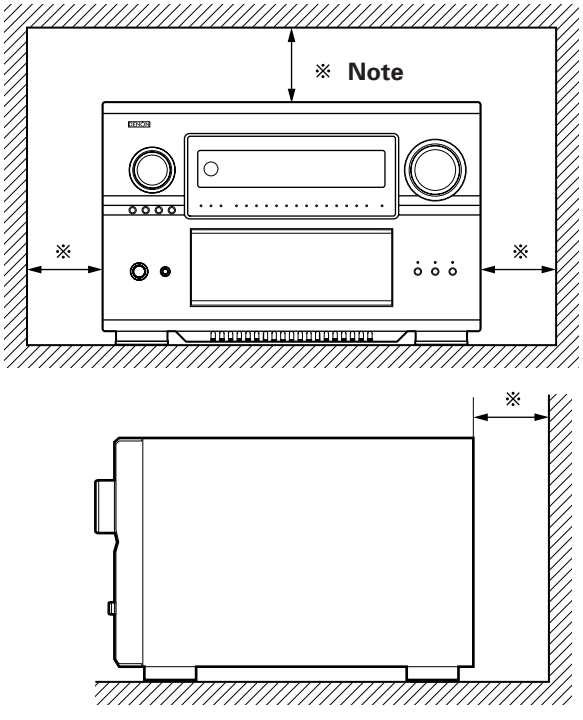
• **Note that the illustrations in these instructions may differ from the actual set for explanation purposes.**

Cautions on installation

Noise or disturbance of the picture may be generated if this unit or any other electronic equipment using microprocessors is used near a tuner or TV.
If this happens, take the following steps:
• Install this unit as far as possible from the tuner or TV.
• Set the antenna wires from the tuner or TV away from this unit's power supply cord and input/output connection cables.
• Noise or disturbance tends to occur particularly when using indoor antennas or 300 Ω/ohms feeder wires. **We recommend using outdoor antennas and 75 Ω/ohms coaxial cables.**

Note:

For heat dispersal, do not install this unit in a confined space such as a bookcase or similar enclosure.



Cautions on handling

- **Switching the input function when input terminals are not connected.**
  A clicking noise may be produced if the input function is switched when nothing is connected to the input terminals. If this happens, either turn down the MASTER VOLUME control knob or connect components to the input terminals.

- **Muting of PRE OUT terminals and SPEAKER terminals.**
  The PRE OUT terminals and SPEAKER terminals include a muting circuit. Because of this, the output signals are greatly reduced for several seconds after the power switch is turned on or input function, surround mode or any other-set-up is changed. If the volume is turned up during this time, the output will be very high after the muting circuit stops functioning. Always wait until the muting circuit turns off before adjusting the volume.

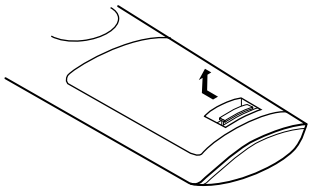
- **Whenever the power operation button is in the STANDBY state, the apparatus is still connected on AC line voltage.**
  Please be sure to turn off the power switch or unplug the cord when you leave home for, say, a vacation.

Preparing the remote control unit

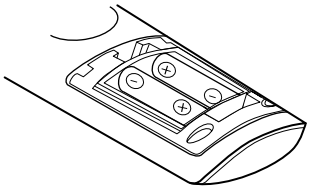
- The included remote control unit (RC-1036) can be used to operate not only the AVR-5805CI but other remote control compatible DENON components as well. In addition, the memory contains the control signals for other remote control units, so it can be used to operate non-DENON remote control compatible products.

Inserting the batteries

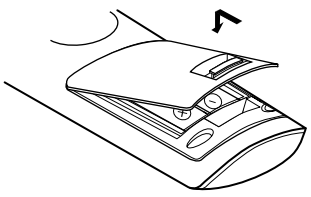
① Remove the remote control unit's rear cover.



② Set two LR6/AA batteries in the battery compartment in the indicated direction.

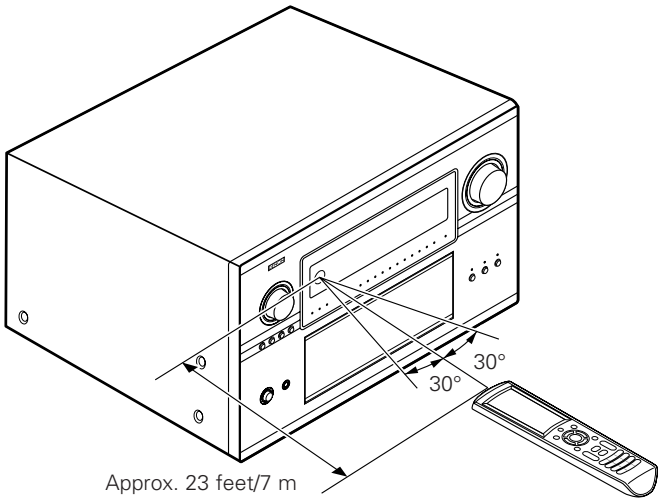


③ Put the rear cover back on.



Notes on batteries:
- Replace the batteries with new ones if the set does not operate even when the remote control unit is operated nearby the set. (The included battery is only for verifying operation.)
- When inserting the batteries, be sure to do so in the proper direction, following the "⊕" and "⊖" marks in the battery compartment.
- To prevent damage or leakage of battery fluid:
  - Do not use a new battery together with an old one.
  - Do not use two different types of batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Remove the batteries from the remote if it will not be in use for long periods.
- If the battery fluid should leak, carefully wipe the fluid off the inside of the battery compartment and insert new batteries.
- When replacing the batteries, have the new batteries ready and insert them as quickly as possible.

Operating range of the remote control unit



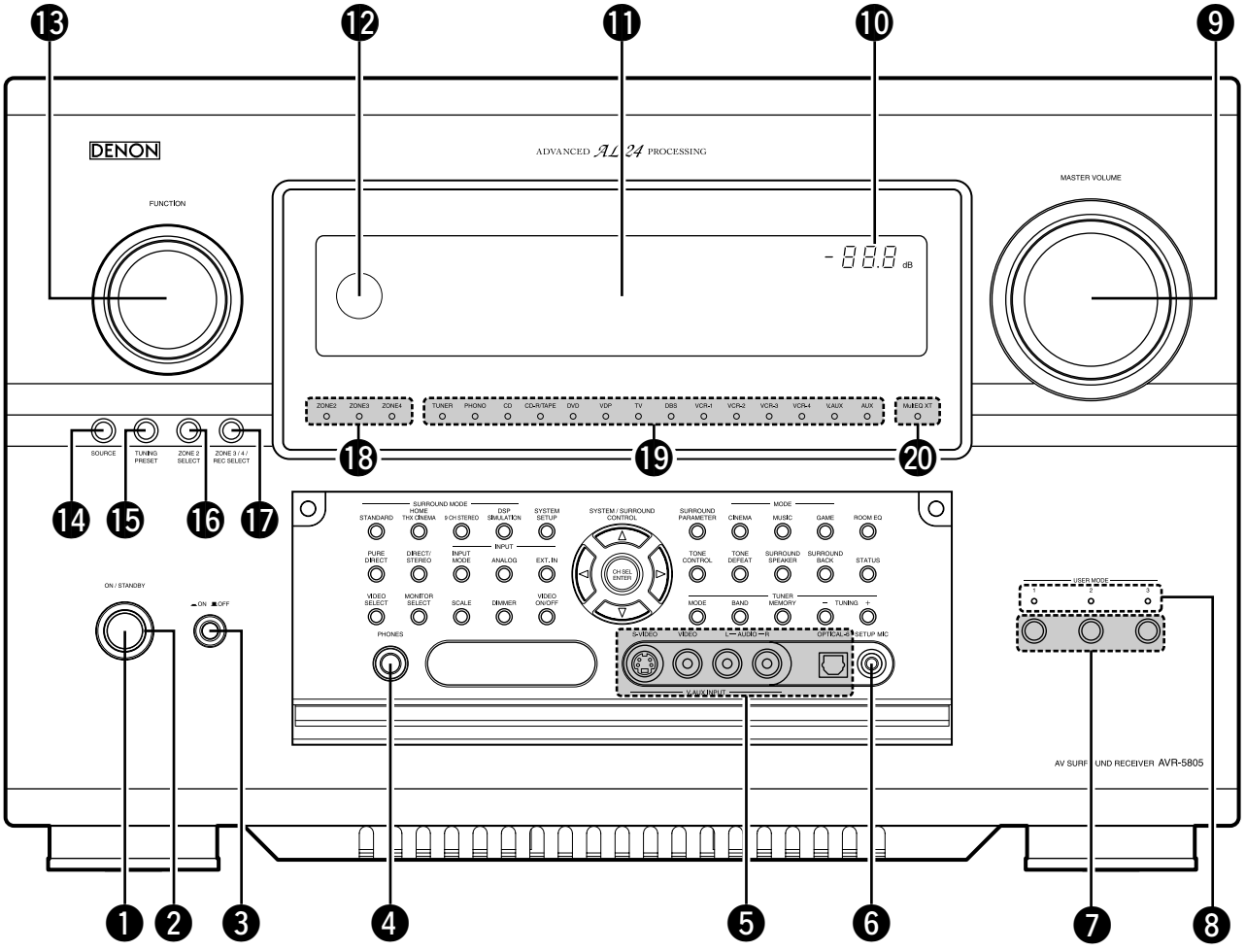
- Point the remote control unit at the remote sensor on the main unit as shown on the diagram.
- The remote control unit can be used from a straight distance of approximately 23 feet/7 meters from the main unit, but this distance will be shorter if there are obstacles in the way or if the remote control unit is not pointed directly at the remote sensor.
- The remote control unit can be operated at a horizontal angle of up to 30 degrees with respect to the remote sensor.

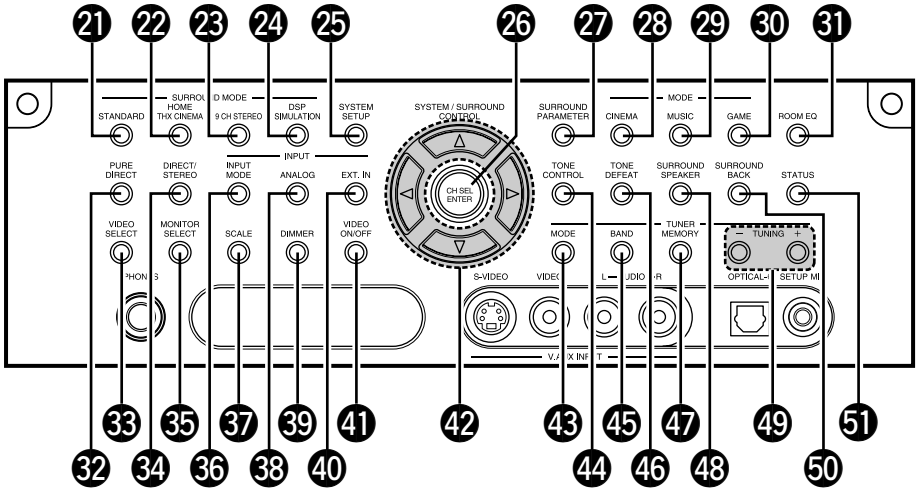
NOTE:
- It may be difficult to operate the remote control unit if the remote sensor is exposed to direct sunlight or strong artificial light.
- Do not press buttons on the main unit and remote control unit simultaneously. Doing so may result in malfunction.
- Neon signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible.

Part names and functions

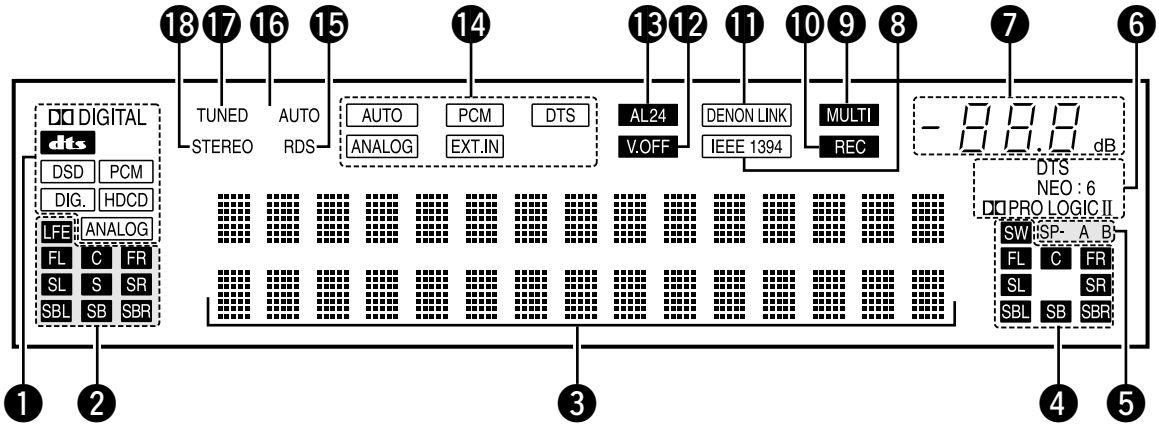
Front panel

- For details on the functions of these parts, refer to the pages given in parentheses ( ).





Display



❶ Input signal indicator
The respective indicator will light corresponding to the input signal.

❷ Input signal channel indicator
The channels included in the input source will light.
This lights when the digital signal is input.

❸ Information display
This displays the surround mode, function name or setting value, etc.

❹ Output signal channel indicator
The audio channels that can be output light.

❺ Speaker indicator
This lights corresponding to the settings of the surround speakers of the various surround modes.

❻ Decoder indicator
This lights when each decoder is operating.

❼ Master volume indicator
This displays the volume level.
The Setup item number is displayed in System Setup.

❽ IEEE1394 indicator
This lights during playback in a IEEE1394 connection.

❾ MULTI (zone) indicator
ZONE3 mode is selected in ZONE3/REC SELECT.

❿ Recording output source indicator
REC OUT mode is selected in ZONE3/REC SELECT.

⓫ DENON LINK indicator
This lights during playback in a DENON LINK connection.

⓬ V.OFF indicator
This lights when the operation of the video circuit has been turned off.

⓭ AL24 indicator
The AL24 indicator lights when the PURE DIRECT, DIRECT, STEREO, MULTI CH PURE DIRECT , MULTI CH DIRECT, MULTI CH IN mode is selected in the PCM input signal.

⓮ Input mode indicator
This lights corresponding to the setting of the INPUT mode.

⓯ RDS indicator
This lights when RDS broadcast has been received.

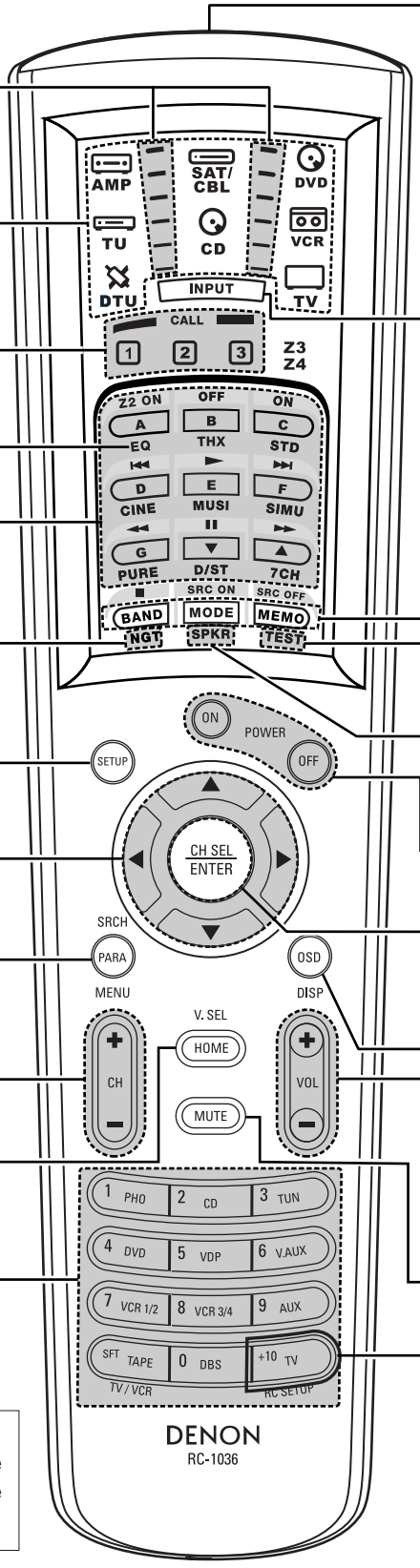
⓰ AUTO indicator
This lights when the broadcast station is selected in the AUTO tuning mode.

⓱ TUNED indicator
This lights when an FM/AM broadcast has been received.

⓲ STEREO indicator
This lights when an FM stereo broadcast has been received.

Remote control unit

- For details on the functions of these parts, refer to the pages given in parentheses ( ).



Remote control signal transmitter ……(9)

IR segment ……(82)

MODE SELECTOR buttons ……(81)

INPUT MODE selector button ……(47)

USER MODE/SYSTEM CALL buttons ……(60, 84)

ROOM EQ button ……(48)

Surround mode/System buttons ……(50, 83)

Tuner system buttons ……(65)

NIGHT button ……(55)

TEST TONE button ……(95, 145)

SPEAKER button ……(45)

SYSTEM SETUP button ……(22)

Power buttons ……(22)

CURSOR buttons ……(22)

CH SELECT/ENTER button ……(22, 64)

SURROUND PARAMETER/SEARCH button ……(51, 67, 73)

ON SCREEN button ……(46)

Tuner system buttons ……(65)

Master volume control buttons ……(44)

HOME/VIDEO SELECT button ……(46, 81)

MUTE button ……(45)

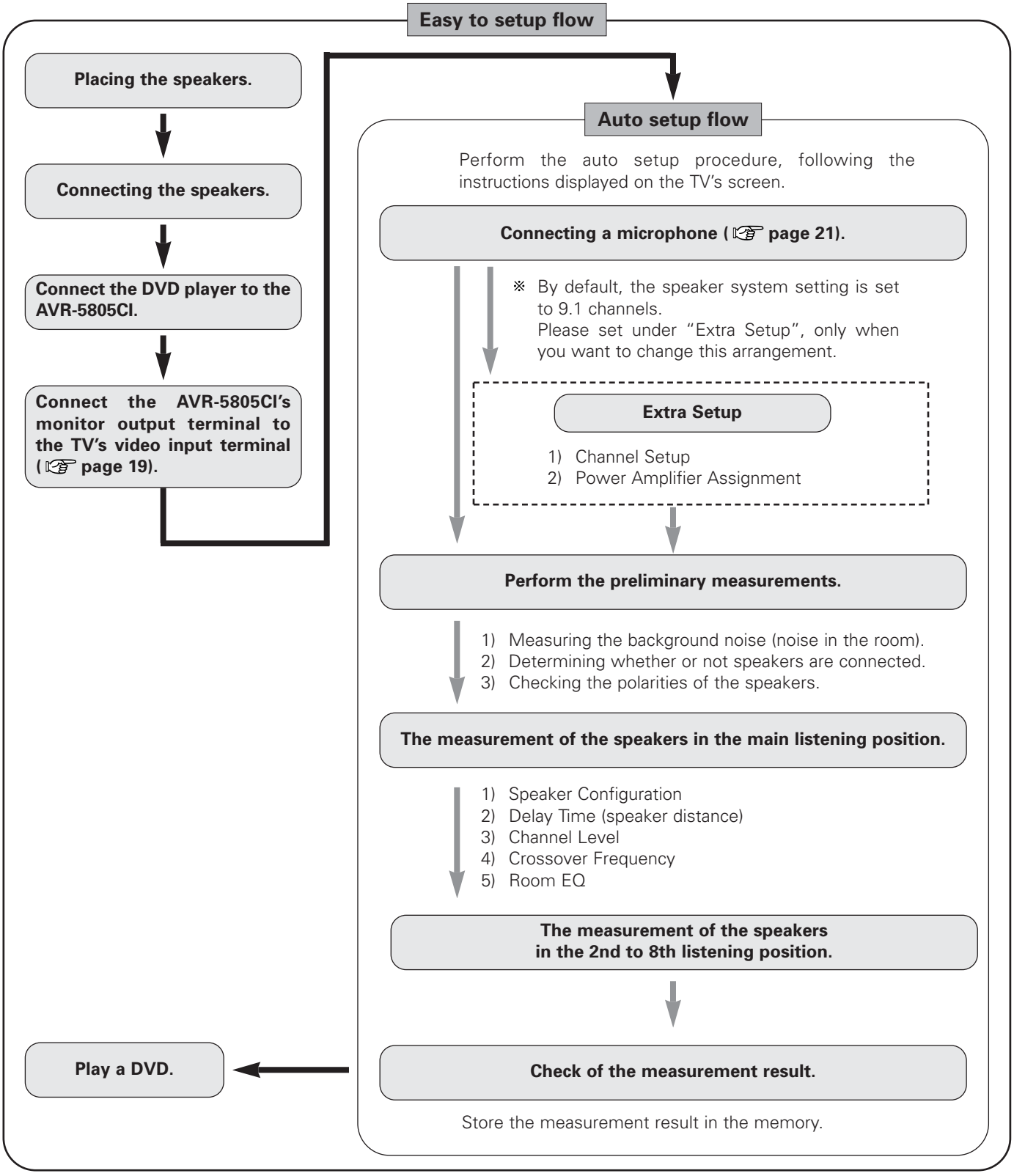
FUNCTION/NUMBER buttons ……(44, 82)

RC SETUP button ……(82)

NOTE:
- For instructions on setting the remote control unit back light's lighting time (☞ page 85).

Easy Setup and Operation

- This section contains the basic steps necessary to configure the AVR-5805CI according to your listening room environment and the source equipment and loudspeakers you are using.
- For optimum performance, we recommend using the Auto Setup function.
- If you wish, you can set the various settings manually without using Auto Setup (☞ page 140 ~ 148).

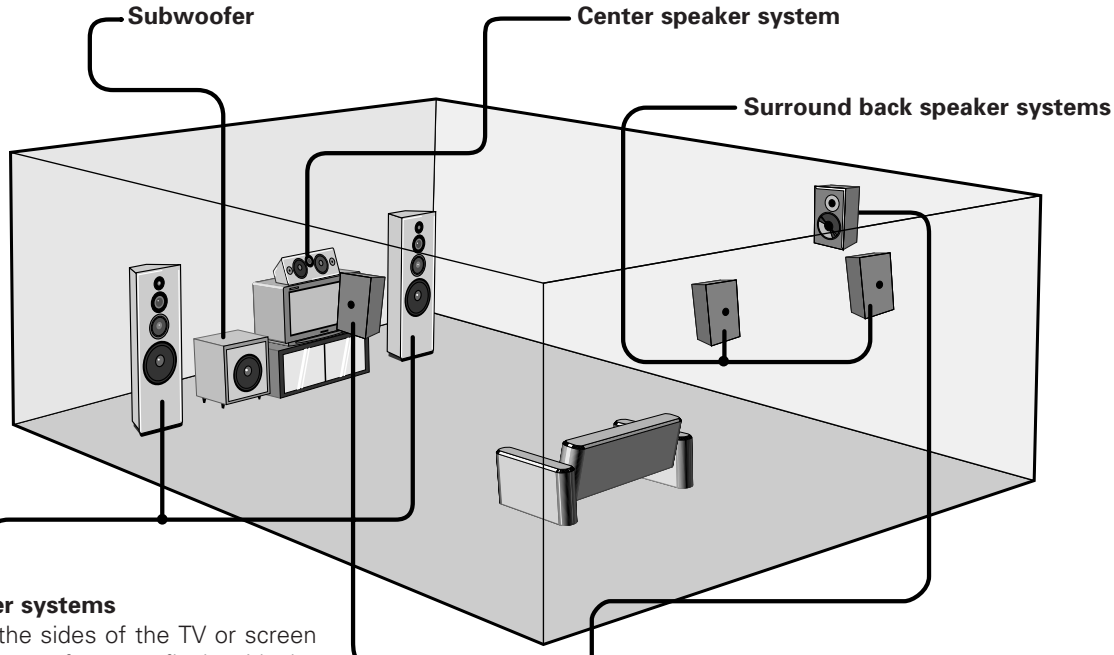


- Do not plug in the power supply cord until all connections have been completed.

Speaker system layout

■ Basic system layout (For a THX Ultra2 system)

• The following is an example of the basic layout for a system consisting of eight speaker systems and a television monitor:



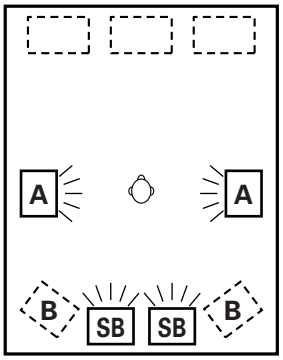
Front speaker systems
Set these at the sides of the TV or screen with their front surfaces as flush with the front of the screen as possible.

Two surround back speakers are required to use the THX Ultra2 Cinema,THX Music mode and THX Games mode.
Set the surround back speakers so that the distance to the listening position is the same for both the left and right speakers. It is also recommended that the deviations of the distance from the listening position to L and R channel speakers (front left (FL) and front right (FR), surround left (SL) and surround right (SR), surround back left (SBL) and surround back right (SBR)) is less than 2 ft (60 cm).

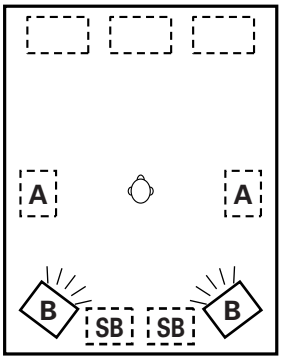
With the AVR-5805CI it is also possible to use the surround speaker selector function to choose the best layout for a variety of sources and surround modes.

■ Surround speaker selector function

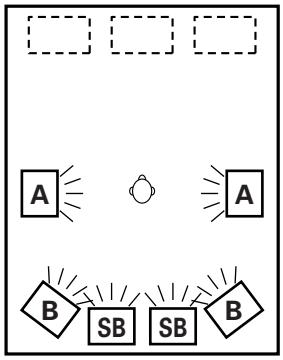
This function makes it possible to achieve the optimum sound fields for different sources by switching between two systems of surround speakers (A and B). The settings of the different speakers (A only, B only or A+B) are stored in the memory for the different surround modes, so they are set automatically when the surround mode is selected.



Using A only
(Multi surround speaker system)



Using B only
(Single surround speaker system)



Using A and B

(SB: Surround Back Speakers)

Speaker connections

- Connect the speaker terminals with the speakers making sure that like polarities are matched (⊕ with ⊕, ⊖ with ⊖). Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired.

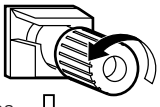
NOTE:
- **NEVER touch the speaker terminals when the power is on. Doing so could result in electric shocks.**
- **When making connections, take care that none of the individual conductors of the speaker cable come in contact with adjacent terminals, with other speaker cable conductors, or with the rear panel and screws.**

■ Speaker Impedance

- Speakers with an impedance of from 6 to 16 Ω/ohms can be connected.

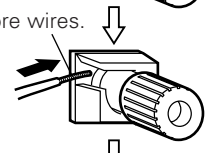
Connecting the speaker cables

1. Loosen by turning counterclockwise.

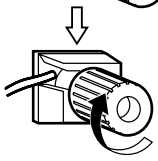


Either tightly twist or terminate the core wires.

2. Insert the cable.

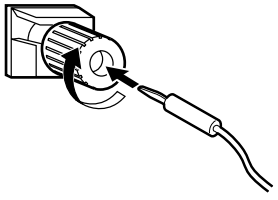


3. Tighten by turning clockwise.



Connecting banana plugs

Turn clockwise to tighten, then insert the banana plug.



Protector circuit

This unit is equipped with a high-speed protection circuit. The purpose of this circuit is to protect the speakers under circumstances such as when the output of the power amplifier is inadvertently short-circuited and a large current flows, when the temperature surrounding the unit becomes unusually high, or when the unit is used at high output over a long period which results in an extreme temperature rise.
When the protection circuit is activated, the speaker output is cut off and the power supply indicator flashes. Should this occur, please follow these steps: be sure to switch off the power of this unit, check whether there are any faults with the wiring of the speaker cables or input cables, and wait for the unit to cool down if it is very hot. Improve the ventilation condition around the unit and switch the power back on.
If the protection circuit is activated again even though there are no problems with the wiring or the ventilation around the unit, switch off the power and contact a DENON service center.

Note on speaker impedance

The protector circuit may be activated if the set is played for long periods of time at high volumes when speakers with an impedance lower than the specified impedance (for example speakers with an impedance of lower than 4 Ω/ohms) are connected. If the protector circuit is activated, the speaker output is cut off. Turn off the set's power, wait for the set to cool down, improve the ventilation around the set, then turn the power back on.

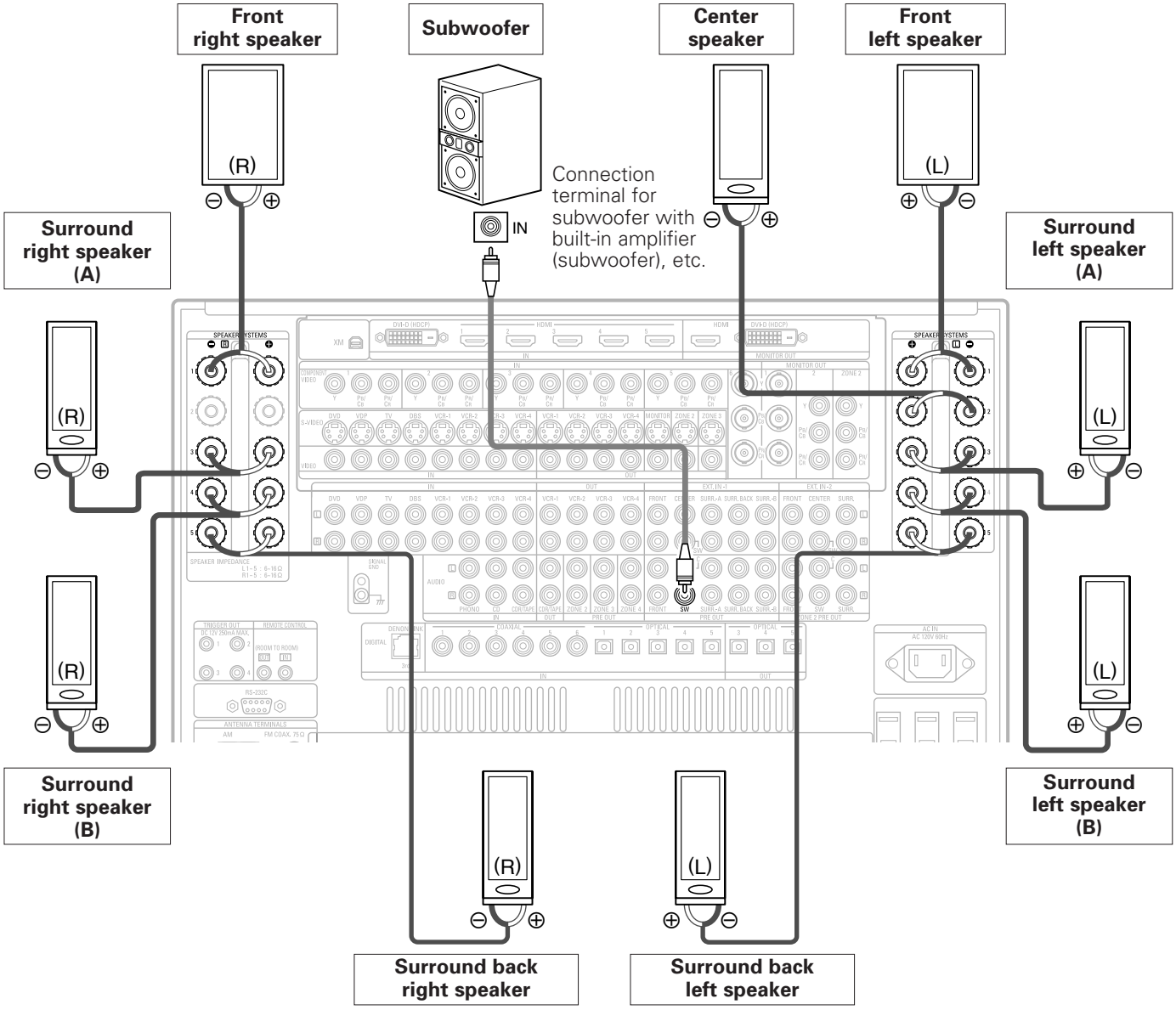
Cooling fan

The AVR-5805CI is equipped with a cooling fan to prevent the temperature inside the set from rising. The fan is activated under certain usage conditions. It is temperature sensitive, to minimize or prevent audible fan noise.

■ Connections

- By default, the speaker system setting is set to 9.1 channels.
- The AVR-5805CI can be configured for 10 speaker playback using two pairs of surround speakers (A+B) and one pair of surround back speakers as shown below.
- The output of each power amplifier can be assigned to any desired channel to best suit the application.
  For details, refer to "Setting the Channel Setup" and "Setting the Power Amplifier Assignment" (☞ page 129 ~ 133).
- When making connections, also refer to the operating instructions of the other components.

Example: 9.1 channel connections



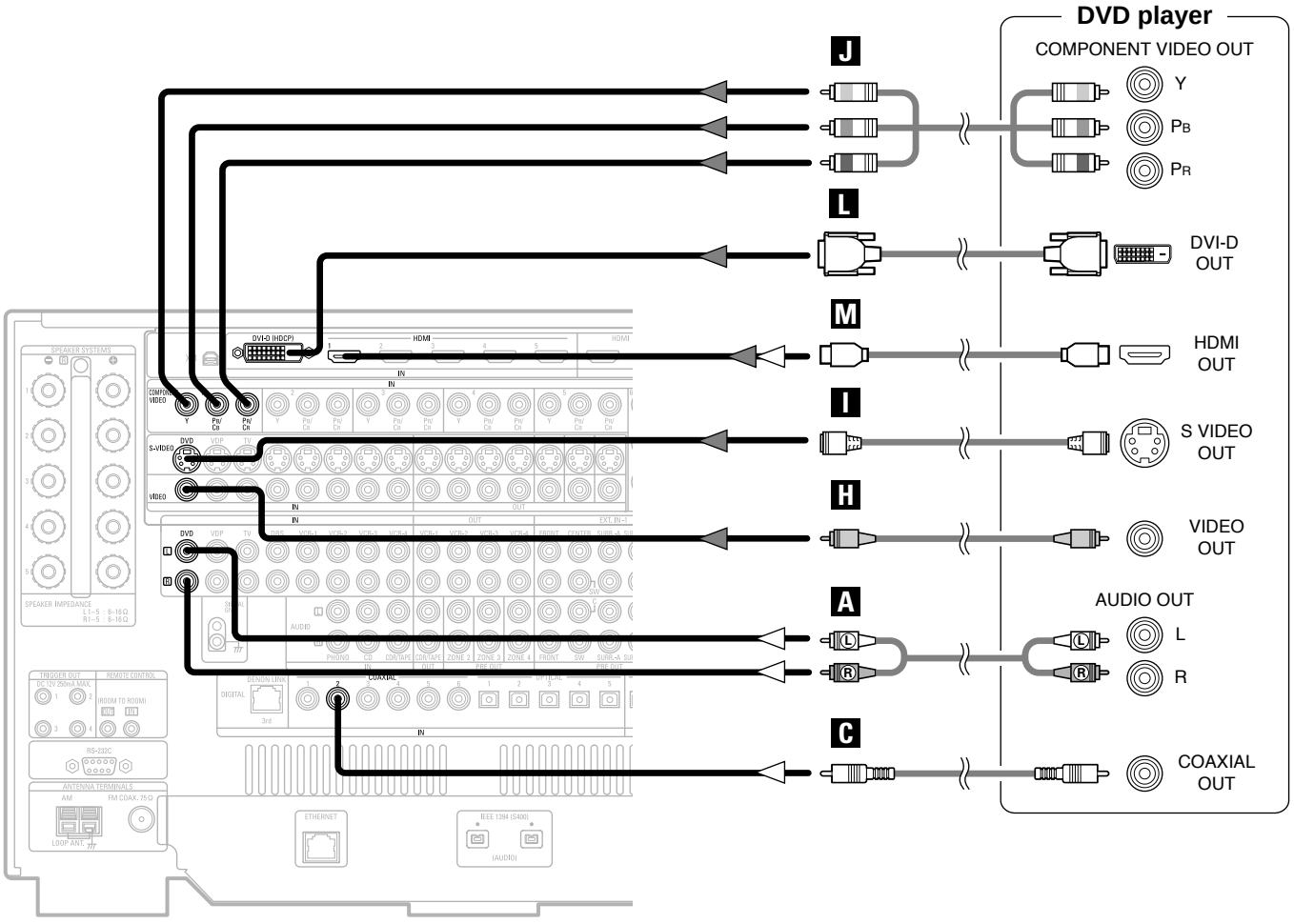
- **Precautions when connecting speakers**
  If a speaker is placed near a TV or video monitor, the colors on the screen may be disturbed by the speaker's magnetism. If this should happen, move the speaker away to a position where it does not have this effect.

NOTE:

- Route the connection cables, etc., in such a way that they do not obstruct the ventilation holes.
- When using only one surround back speaker, connect it to left channel (L5).

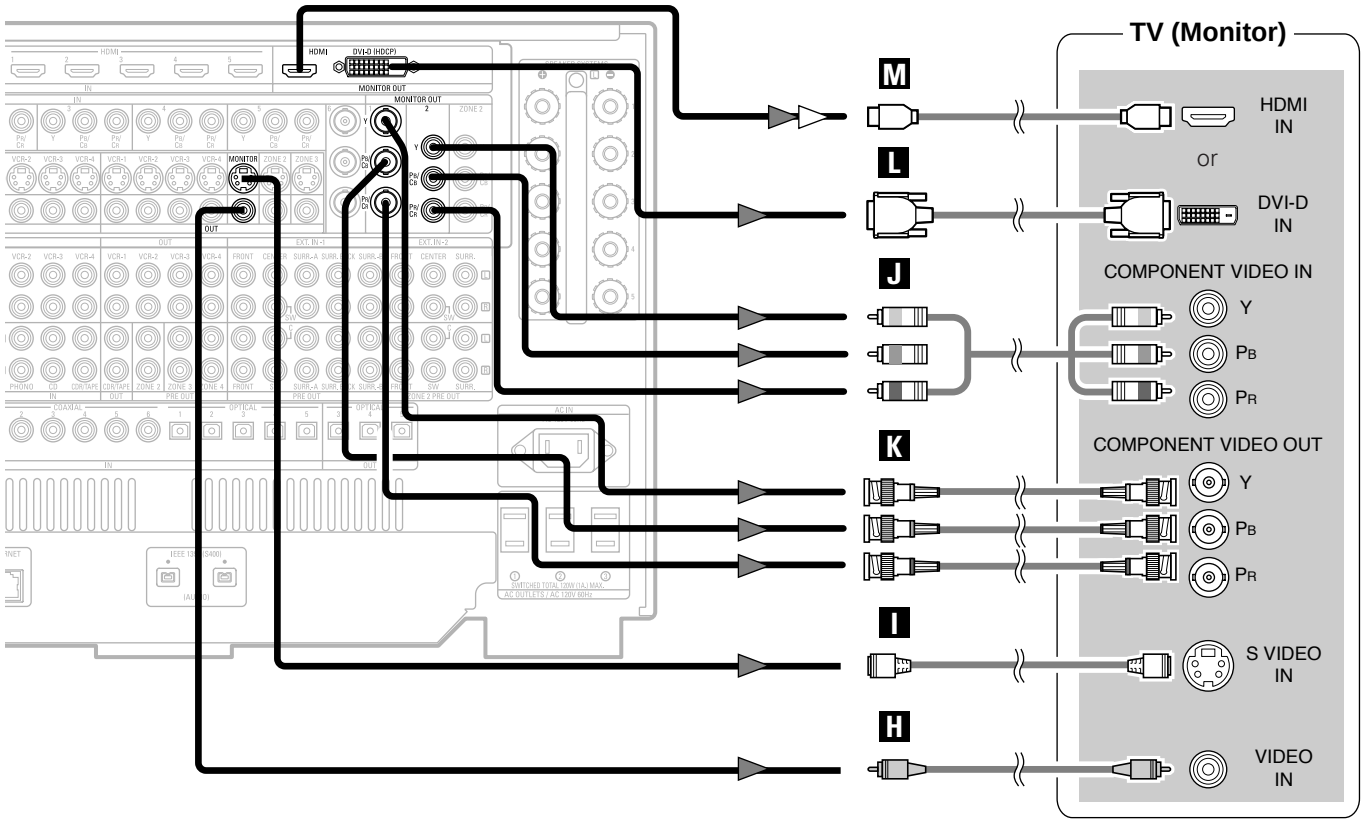
Connecting a DVD player and TV (Monitor)

- To connect the video output from the DVD player to the AVR-5805CI, you only need to choose one connection type. Component video connection offers the best quality (and is required for progressive DVD playback), followed by S-Video, while composite video offers the lowest picture quality of the three connection types. For more information about the video up conversion function (☞ page 28).
- The AVR-5805CI is equipped with HDMI terminals, so it can be connected to a DVD player or TV (monitor) using an HDMI cable. To connect it to a DVD player using a DVI-D cable (☞ page 37).
- The AVR-5805CI is equipped with a BNC terminal, so a DVD player or monitor can be connected using a BNC cable. If you choose to use the BNC connection, it needs to be assigned. For more information about Component Input Assignment (☞ page 112).
- To connect the digital audio output from the DVD player, you can choose from either the coaxial or optical connections. If you choose to use the optical connection, it needs to be assigned. For more information about Digital Input Assignment (☞ page 104).
- The AVR-5805CI is equipped with another set of input terminals for a non-DVD Video Disc Player (such as laser disc, VCD/SVCD, or future high definition disc player). The above connection guidelines for DVD also apply to the VDP input.



※ Audio signal flow is shown with white arrows, video signal flow is shown with gray arrows.

- For best picture quality (especially with progressive DVD and other high definition sources) choose the component video or HDMI connection to your monitor or TV. S-Video and composite video outputs are also provided if your TV does not have component video inputs.



NOTE:

- The component video input and/or output terminals may be labeled differently on some TVs, monitors or video components (Y, P_B, P_R; Y, C_B, C_R; Y, B-Y, R-Y). Check the operating instructions for other components for further information.
- The COMPONENT MONITOR OUT-1 and the COMPONENT MONITOR OUT-2 can be used simultaneously. Connect with a BNC cable when using the COMPONENT MONITOR OUT-1 terminal, a component video cable when using the COMPONENT MONITOR OUT-2 terminal.
- The HDMI and DVI-D monitor output terminals on the AVR-5805CI can only be used one at a time, not simultaneously.
- Audio signals are only output from the HDMI monitor out connector when audio signals are input to the HDMI input connector.
- When connecting the AVR-5805CI and DVD player using an HDMI cable, also connect the AVR-5805CI and monitor or TV using an HDMI cable (☞ page 36).

Auto Setup / Room EQ

The Auto Setup and Room EQ function of this unit performs an analysis of the speaker system and measures the acoustic characteristics of your room to permit an appropriate automatic setting.
The AVR-5805CI's Audyssey MultEQ XT function has the feature that it provides the optimum listening environment at all listening positions in the home theater, where there are often multiple listeners viewing programs together. To achieve this, it is first necessary to use a microphone to measure test tones generated from the different speakers at the various listening positions. All this measured data is analyzed with a unique method to comprehensively improve acoustic characteristics in the listening area. For optimum effectiveness, measurements should be performed **at six or more points**. Move the microphone successively within the listening area surrounded by the speakers as shown on the diagram below to measure the test tones. When listening to music or viewing movies with the whole family, move the microphone successively to the different positions in which the members of the family sit ("▬" on the diagram indicates the points of installation) and measure repeatedly (Example ①). Even if the number of people using the home theater is small, taking multiple measurements at or near the listening positions makes it possible to correct the sound more effectively (Example ②).
The AVR-5805CI's Room EQ function offers three correction curves: "Audyssey", "Front" and "Flat". These can be selected after performing the auto setup procedure. Details of the different correction curves are described below.

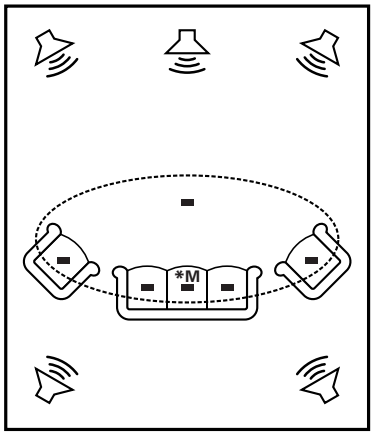
- **Audyssey:**
  This adjusts the frequency response of all speakers to correct the effects of room acoustics.
- **Front:**
  This adjusts the characteristics of each speaker to the characteristics of the front speakers.
- **Flat:**
  Makes the frequency response for all the speakers flat.
  This is suitable for multi-channel music reproduction, from discrete music sources such as Dolby Digital 5.1, DTS, DVD-Audio and Super Audio CD.

- To make the Speaker system settings without using the Auto Setup function (☞ page 140 ~ 148).

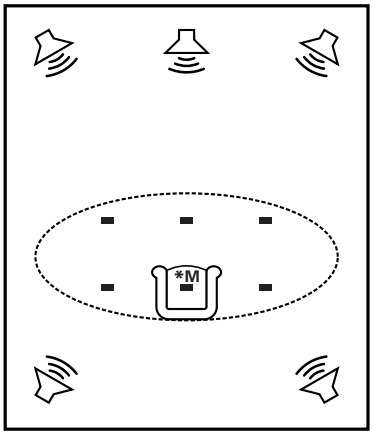
■ About the main listening position (*M)

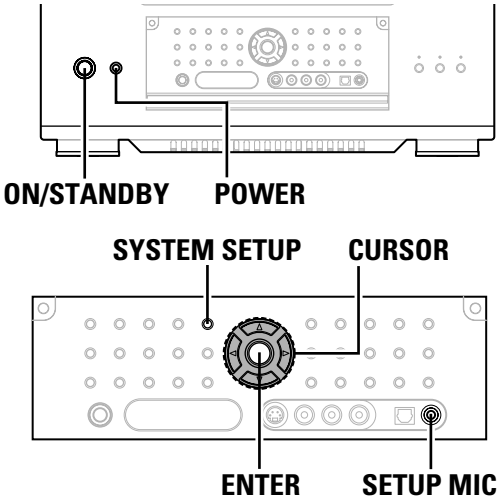
- The main listening position is the point where a listener sits most often or the listening position when only one person is listening. Measurements on the AVR-5805CI start from this point. Correction for the speaker distance ("Delay Time") is set based on this point.

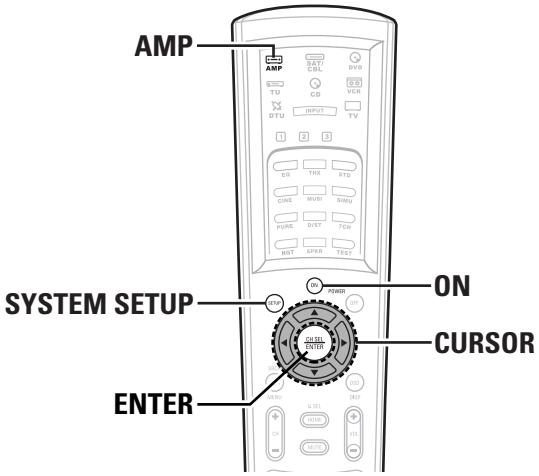
Example: ①



Example: ②

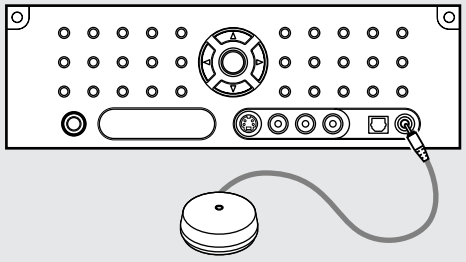






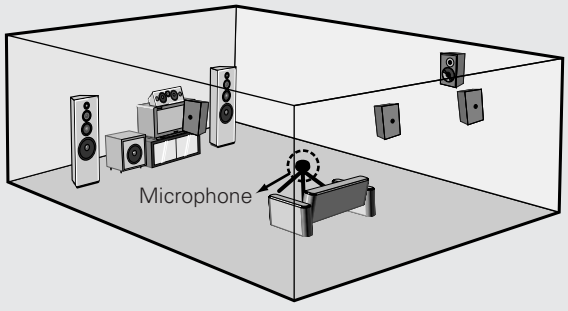
Connecting a microphone

1 **Connect the optional microphone for Auto Setup to the SETUP MIC jack on the front panel of the unit.**



※ The optional standard microphone is DENON DM-S305 sold separately.
※ When using other microphone (☞ page 150, 151).

2 **Mount the auto setup microphone onto a camera tripod, etc., and place it at ear height at the main listening position in the listening room with the sound receptor facing the ceiling.**



※ When placing the microphone, adjust the height so that the microphone's sound receptor is at the height of the ears of the listener.
※ Be sure that at the beginning, the measurement is started with the microphone set up at the main listening position.
※ It is not possible to measure properly if there are any obstacles between the speakers and microphone. Check that there are no obstacles.
※ Please do not stand between or near the speakers and the microphone during the measurements.

NOTE:
- Do not disconnect the microphone until the settings are completed.
- Do not change the connection of speakers or the subwoofer's volume after performing these measurements.

Turning on the power

1 **Turn on your subwoofer.**

※ Set the volume to halfway and set the crossover frequency to the maximum or Low pass filter off if your subwoofer can adjust the output volume and the crossover frequency.

※ Some subwoofers have a standby mode. Be sure to turn this function off before performing the Auto Setup procedure.

2 **Turn on your TV (monitor).**

3 **Press the POWER switch.**

ON:
The power turns on and the power indicator lights. Set the **POWER** switch to this position to turn the power on and off from the included remote control unit.

OFF:
The power turns off and indicator is off.
In this position, the power cannot be turned on and off from the remote control unit.

4 **Press the ON/STANDBY switch on the main unit or ON button on the remote control unit.**

- When pressed, the power turns on and the display lights.
- When pressed again, the power turns off, the standby mode is set and the display turns off.

※ The sound is muted for several seconds, after which the unit operates normally.

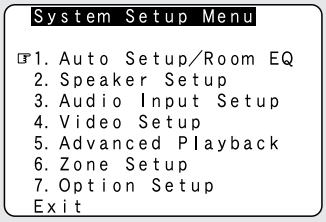
※ Whenever the **ON/STANDBY** button is in the standby state, the apparatus is still connected to the AC line voltage. Please be sure to turn off the **POWER** switch or unplug the cord when you leave home for, say, a vacation.

5 **Press the AMP button to select "AMP" (only when operating with the remote control unit).**

Starting Auto Setup

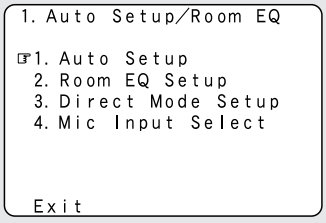
1 **Press the SYSTEM SETUP button.**

- The "System Setup Menu" appears.



2 **Press the CURSOR △ or ▽ button to select "Auto Setup / Room EQ", then press the ENTER button.**

- The "Auto Setup / Room EQ" menu appears.



3 **Press the CURSOR △ or ▽ button to select "Auto Setup", then press the ENTER button.**

- The "Auto Setup" screen appears.

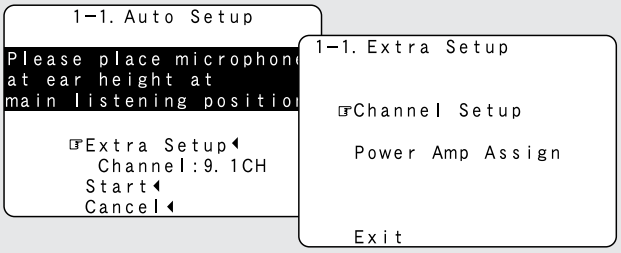
※ The message "Connect Microphone" is displayed if no microphone is connected. If so, connect the auto setup microphone.

- If no operation is performed for approximately 3 minutes during the auto setup procedure, the screensaver is launched. The screensaver is canceled if any one of the **CURSOR**, **ENTER** or **SYSTEM SETUP** button is pressed.

Extra Setup

- The AVR-5805CI has ten available amplifier channels, some of which can be assigned for powering speakers in ZONE2, ZONE3 and ZONE4 depending on the speaker system complement in the main room. If this functionality is not needed, skip this "Extra Setup" procedure and proceed to "Preliminary Measurements".
- By default, the speaker system setting is set to 9.1 channels.

1 **Press the CURSOR △ or ▽ button to select "Extra Setup", then press the CURSOR ◁ button.**
- Switch to the "Extra Setup" screen.



2 **Press the CURSOR △ or ▽ button to choose the setting you want to change, then press the ENTER button.**
- Switch to the setting screen.

※ For instructions on making the "Channel Setup" settings (☞ page 126 ~128).
※ For instructions on making the "Power Amp Assign" settings (☞ page 129 ~ 133).
※ The speakers measured with this Auto Setup procedure are based on the setting of these "Channel Setup" and "Power Amp Assign" functions.

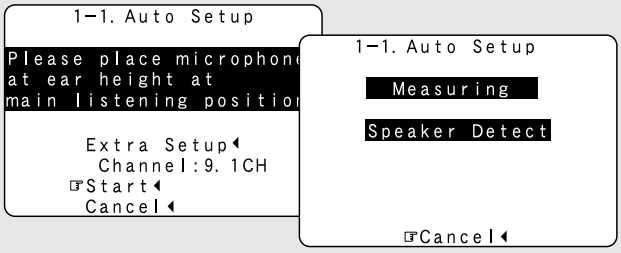
3 **Once the settings are completed, press the ENTER button at the each setting screen.**
- The "Extra Setup" screen reappears.

4 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- Return to the "Auto Setup" screen.

Preliminary measurements

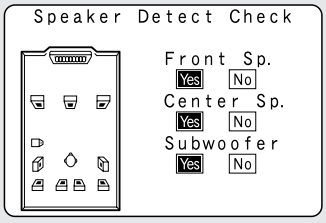
- This procedure is used to automatically determine the background noise, whether or not speakers are connected, and the polarities of the connected speakers.
- To avoid affecting the measurements, turn off the air-conditioner or any other device that makes noise and take the measurements with the room as quiet as possible.

1 **Press the CURSOR △ or ▽ button to select "Start", then press the CURSOR ◁ button.**
- Start the preliminary measurements.



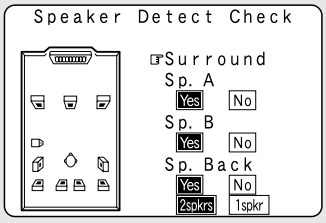
※ The screen shown at the below appears once the preliminary measurements are completed.

2 **Press the ENTER button.**
- Switch to the "Speaker Detect Check" screen.



[First screen]

3 **Check the results of the speaker detection, then press the ENTER button.**
- Switch to the second screen.



[Second screen]

4 **If the check ends, press the ENTER button again.**

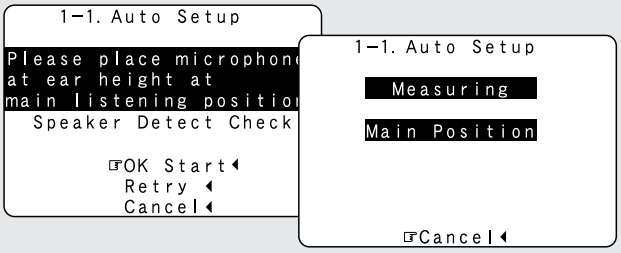
NOTE:
- If the results are not as expected or if an error message is displayed, select "Retry" and perform the measurements again. (For details on the error messages (☞ page 26).) If the results of remeasurement are still not as expected or if an error message is displayed, turn off the power switch and check the speaker connections. Then start the measurements again from the beginning.
- Measurement is cancelled when **MASTER VOLUME** is operated while the Auto Setup is performed.

Speaker system measurement

- With these measurements, the "Speaker Configuration", "Delay Time", "Channel Level", "Crossover Frequency" and "Room EQ" are analyzed automatically. The main listening position is measured first, so leave the microphone where it is.

1 Press the CURSOR △ or ▽ button to select "OK Start", then press the CURSOR ◁ button.

- Measurements for the first point start.



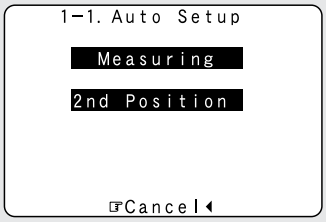
※ The screen shown at the below appears once the measurements for the main listening position are completed.

2 Next the measurements for the second point will be taken.

※ Place the microphone at the second listening position. For instructions on the position in which the microphone should be placed (☞ page 20).

3 Press the CURSOR ◁ button.

- Measurements for the second point start.

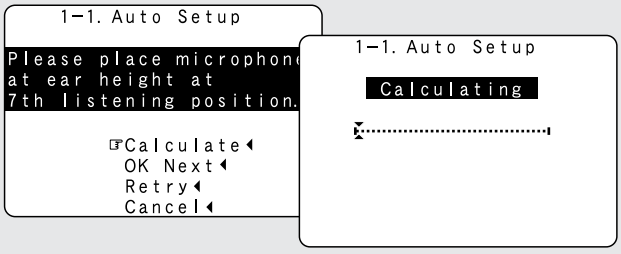


4 Perform step 2, 3 repeatedly.

※ The more measurement points, the better the resulting room correction effect. We recommend a minimum of 6 measurement points – 8 measurement points provides the best room correction effect.

5 After measuring at the number of points according to your listening environment, press the CURSOR △ or ▽ button to select "Calculate", then press the CURSOR ◁ button.

- The speaker system is analyzed.



※ The amount of time required for the analysis depends on the number of speakers and the number of measuring points. The greater the number of speakers and measuring points, the longer the time required. For example, for ten speaker systems and 6 measuring points, the calculations require approximately 6 minutes.

※ Measurements can be ended when there are 5 or less measurement locations; however, to obtain better results, measurements at **6 or more locations** is recommended.

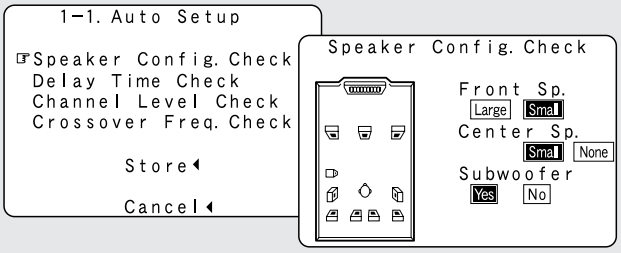
※ Once the calculations are completed, a screen for confirming the results of the measurements appears.

Check of the measurement result

- The results of the measured items can be checked.

1 **Press the CURSOR △ or ▽ button to select items, then press the ENTER button.**
- Switch to the verification screen.

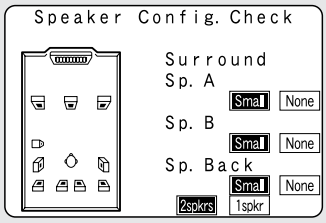
Example: Speaker Config. Check



[First screen]

2 **Press the ENTER button.**
- Switch to the second screen.

Example: Speaker Config. Check



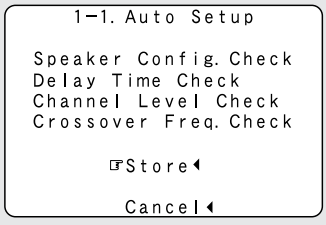
[Second screen]

3 **If the check ends, press the ENTER button again.**

4 **Press the CURSOR △ or ▽ button to select whether or not to save the data you have checked.**

Store:
Set with the checked measurement value.
All parameters are stored up.

Cancel:
Cancel the auto setup settings.



5 **Press the CURSOR ◁ button.**
- After the data is stored, the "Auto Setup / Room EQ" menu appears automatically.

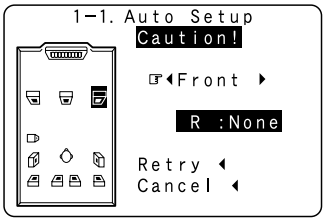
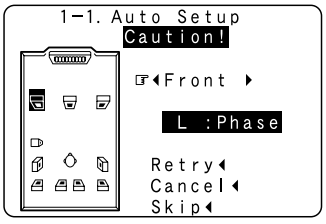
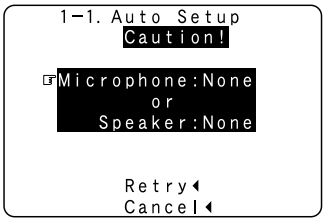
- Sometimes due to the electrical complexities of subwoofers and the interaction with the room, THX recommends setting the level and the distance of the subwoofer manually.
- Sometimes due to interaction with the room, you may notice irregular results when setting the level and/or distance of the main speakers. If this happens, THX recommends setting them manually.
- Please note that any THX main speakers should be set to Small (80 Hz). If you set up your speakers using Auto Setup, please make sure manually that any THX speakers are set to Small with 80 Hz crossover.

- When measurements have been made using the measurement microphone, speakers with a built-in filter such as subwoofers might be set with a value that differs from the physical distance because of the internal electrical delay.
- If the "Channel Setup" or "Power Amplifier Assignment" settings are changed after completing the auto setup, perform the auto setup procedure again. In the same way, if the speaker layout has been changed, we recommended performing the auto setup procedure over again.

NOTE:
- Do not turn off the power while the data is being stored. If the power is turned off while the data is being stored, the Room EQ parameters stored in the memory will be cleared, and it will not be possible to select "Audyssey", "Front" or "Flat" equalizer settings.

About the error message

- These error messages will be displayed when performing the measurements of Auto Setup and the automatic measurements can not be completed because of the speaker arrangement, measurement environment, or other factors. Please check the following matters, reset the pertinent items, and measure again. Be sure to turn off the AVR-5805CI's power before checking the speaker connections.

Screen example	Cause	Measures
	① The speakers required for producing suitable reproduction have not been detected. • The front L speaker was detected, but the front R speaker was not detected. • Only one channel of the surround (A) and surround (B) speakers was detected. • Sound was output from the R channel when only one surround back speaker was connected. • The surround back or the surround (B) speaker was detected, but the surround (A) speaker was not detected. ※ If multiple errors occur, press the **CURSOR** ◁ or ▷ button to check the contents.	• Check that the pertinent speakers are properly connected.
	② The speaker polarity is connected in reverse. ※ If multiple errors occur, press the **CURSOR** ◁ or ▷ button to check the contents.	• Check the polarity of the pertinent speakers. • For some speakers, the screen below may be displayed even though the speakers are properly connected. If so, select "Skip◀".
	③ There is too much ambient noise in the room and the measurements cannot be made accurately. ④ The sound level that is output from the speakers and/or subwoofer is too low.	• Either turn off the power of the device that generated the noise during the measurements or move the device away. • Try again at a time when it is quieter. • Check the placement and orientation of the loudspeakers. • Adjust the subwoofer's output level.
	⑤ The measurement microphone is not connected, or all of speakers have not been detected. ⑥ The front L speaker was not detected.	• Connect the measurement microphone to the **SETUP MIC** jack. • Check the speaker connection.

Connecting Other Sources

Cable indications

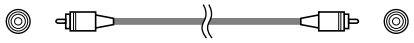
• The hookup diagrams on the subsequent pages assume the use of the following optional connection cables (not supplied).

Audio cable

A Analog connections (Stereo)

Pin-plug cable

B Analog connections (Monaural, for subwoofer)

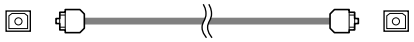


Pin-plug cable

C Digital connections (Coaxial)

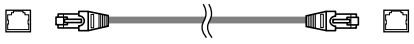
Coaxial cable (75 Ω/ohms pin-plug cable)

D Digital connections (Optical)



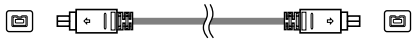
Optical cable (Optical fiber cable)

E DENON LINK connections



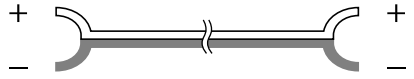
DENON LINK cable

F IEEE1394 connections



4-pin, S400 IEEE1394 cable

G Speaker connections



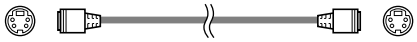
Speaker cable

Video cable

H Video connections

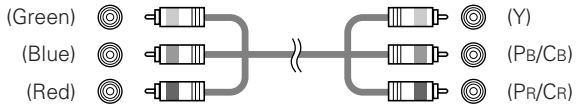
Video cable (75 Ω/ohms video pin-plug cable)

I S-Video connections



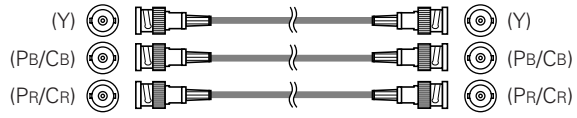
S-Video cable

J Component video connections



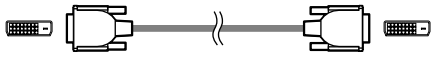
Component video cable

K Component video connections



BNC (75 Ω/ohms) cable

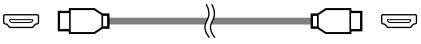
L DVI-D connections



24-pin DVI-D cable

Audio and Video cable

M HDMI connections



19-pin HDMI cable

Signal direction

Audio signal IN ← OUT OUT → IN

Video signal IN ← OUT OUT → IN

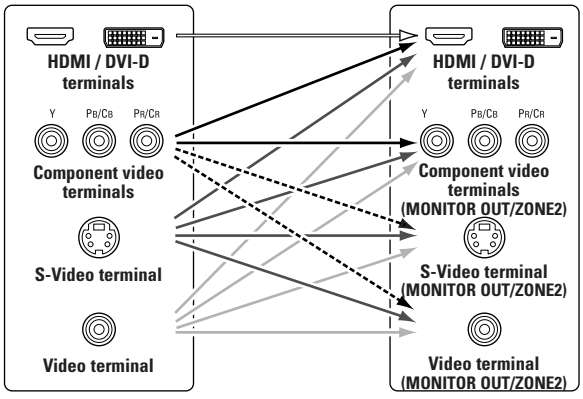
NOTE:
- Do not plug in the power supply cord until all connections have been completed.
- When making connections, also refer to the operating instructions of the other components.
- Be sure to connect the left and right channels properly (left with left, right with right).
- Note that binding pin-plug cables together with power supply cords or placing them near a power transformer will result in generating hum or other noise.

NOTE:
- **Connecting a LD (laser disc) player with a Dolby Digital RF Output**
  The AVR-5805CI does not have a DD RF demodulator function. Therefore, you need to use a commercially available outboard DD RF demodulator and connect its digital output to one of the AVR-5805CI available digital inputs. Refer to the demodulator's operating instruction for further information.

The video conversion function

- The AVR-5805CI is equipped with a function for up and down converting video signals.
  Because of this, the AVR-5805CI's MONITOR OUT terminal can be connected to the monitor (TV) with a set of cables offering a higher quality connection, regardless of how the player and the AVR-5805CI's video input terminals are connected.
  Generally speaking, analog video connections using the component video terminals offer the highest quality playback, followed by connections using the S-Video terminals, then connections using the regular video terminals (yellow).

The flow of the video signals.



AVR-5805CI's input terminals AVR-5805CI's output terminals

– – – – : only MAIN ZONE 480i/576i

Cautions on the ZONE2 video conversion function:

- There is no TBC (Time Base Collector) for ZONE2.
  When the component video terminals are used to connect the AVR-5805CI with a TV (or monitor, projector, etc.) and the video (yellow) or S-Video terminals are used to connect the AVR-5805CI with a VCR, depending on the combination of the TV and VCR the picture may flicker in the horizontal direction, be distorted, be out of sync or not display at all when playing video tapes.
  If this happens, connect a commercially available video stabilizer, etc., with a TBC (time base corrector) function between the AVR-5805CI and the VCR, or if your VCR has a TBC function, turn it on.

NOTE:

- It is not possible to down-convert from HDMI and DVI-D input signals to the component, S-Video or composite video monitor output terminals.
- Video down conversion to the MAIN ZONE's monitor output is only possible when the component video input resolution is 480i (interlaced standard definition video – NTSC format, for North America) or 576i (interlaced standard definition video – PAL format, for Europe and other countries).
- It is not possible to down-convert from the ZONE2's component video signal to a S-Video or composite signal, so when not using the ZONE2's component monitor output terminal, use an S-Video connection cable or composite connection cable to connect the AVR-5805CI with the player.
- To set the video conversion function for the MAIN ZONE to "OFF" (☞ page 112).
- Set the resolution of the video output to one that is compatible with the resolution of your monitor.
- When "Component" is set at "Scaler" under "HDMI/Component Out", the signals are output to the HDMI/DVI-D monitor output terminal with their original resolution. Use a monitor compatible with a resolution of 480i/576i.

■ The analog video to HDMI conversion function:

The AVR-5805CI's video up-conversion function lets you output analog video input signals (component – 480i/576i, 480p/576p, 1080i or 720p; S-Video and composite video - 480i/576i) to the HDMI monitor output terminal.

- With the AVR-5805CI, the resolution of the signal output to the HDMI MONITOR OUT terminal can be selected (☞ page 113, 114). The resolutions with which the monitor is compatible can be checked using the **STATUS** button on the main unit or the **ON SCREEN** button on the remote control unit.
- The resolution of the signal output to the component monitor output terminal can be set on the AVR-5805CI.

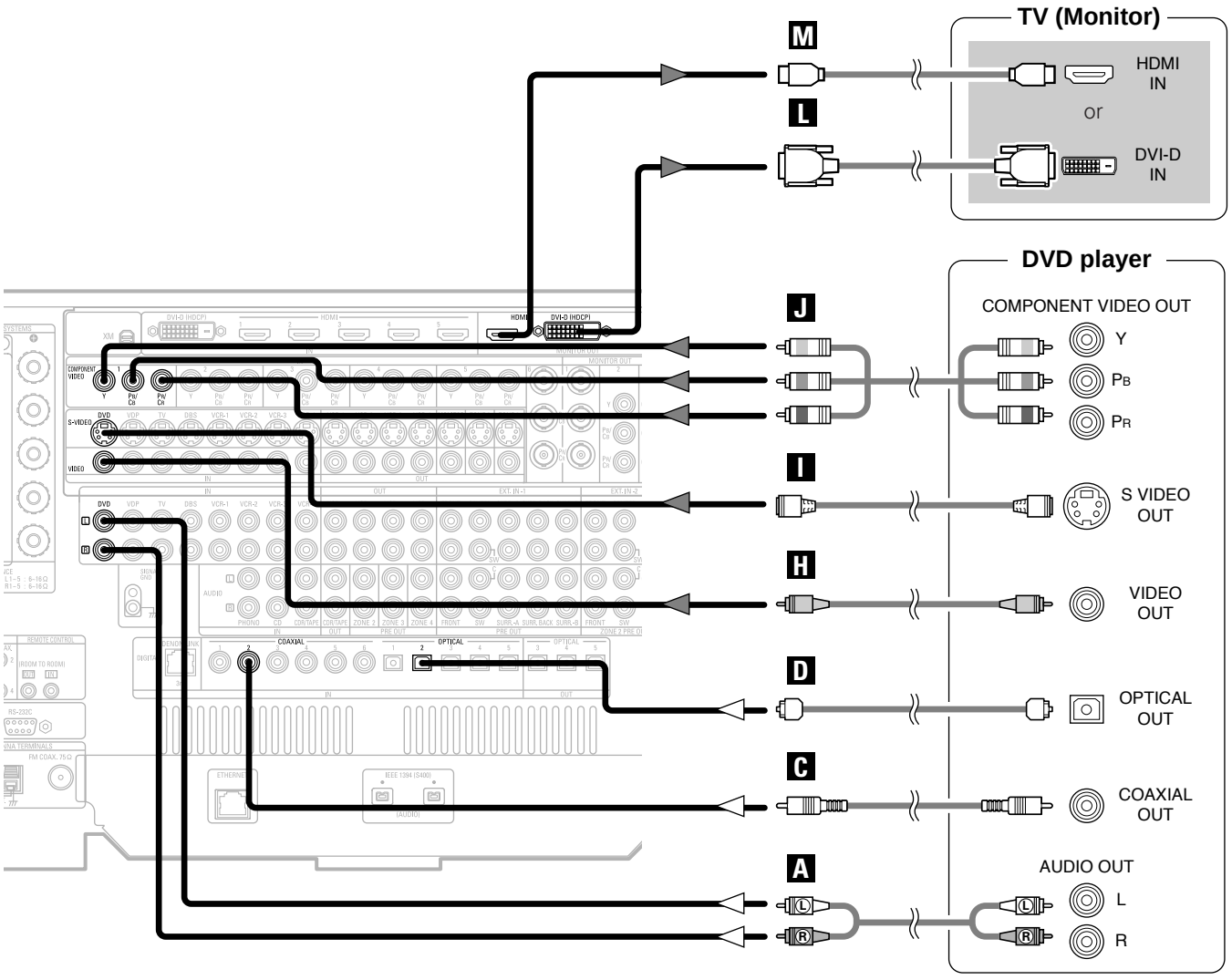
- If you do not want to use the function for converting analog video signals to HDMI signals, select "OFF" for "Analog to HDMI Convert" at "Setting the HDMI/Component Out Setup"(☞ page 113, 114).
  In this case, the function for video up conversion to the component video terminal operates.

On screen display for component video outputs and HDMI output

- When viewing component video signals or HDMI signals via the AVR-5805CI, the on screen display is displayed on the monitor when the "System Setup" operations are performed and when the remote control unit's **ON SCREEN** button is operated.
- To view the on screen display using an HDMI monitor, set "Analog to HDMI Convert" at "HDMI/Component Out" to "ON" (default).
- When only component video signals are input to the AVR-5805CI, the characters of the on screen display are not displayed over the picture.

Connecting equipment with HDMI terminals [To convert analog video signals to HDMI signals]

- The AVR-5805CI is equipped with a function for converting analog video signals into HDMI signals. You can do this by either a component or a video or a S-Video connection.
- Audio signals are not output from the HDMI monitor output terminal, so also make analog or digital audio connections. To play sound using digital audio connections, assign the digital terminal (coaxial or optical) at "Setting the Digital In Assignment" (☞ page 104).

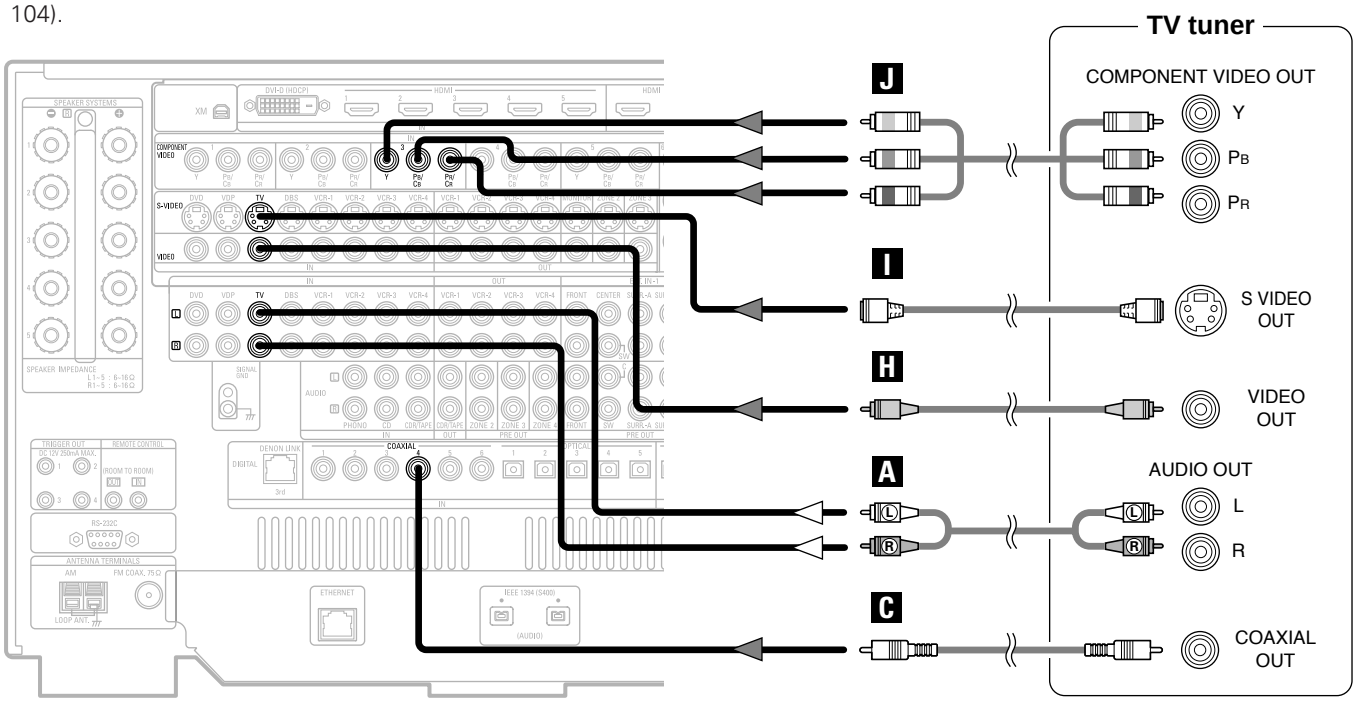


NOTE:

- When "Through" is set at "Resolution" under "Setting the HDMI/Component Out Setup", use a monitor compatible with input resolutions of 480i/576i.
- If your monitor is not equipped with an HDMI terminal, connect the AVR-5805CI to the monitor using the component video, S-Video, or composite video terminals.

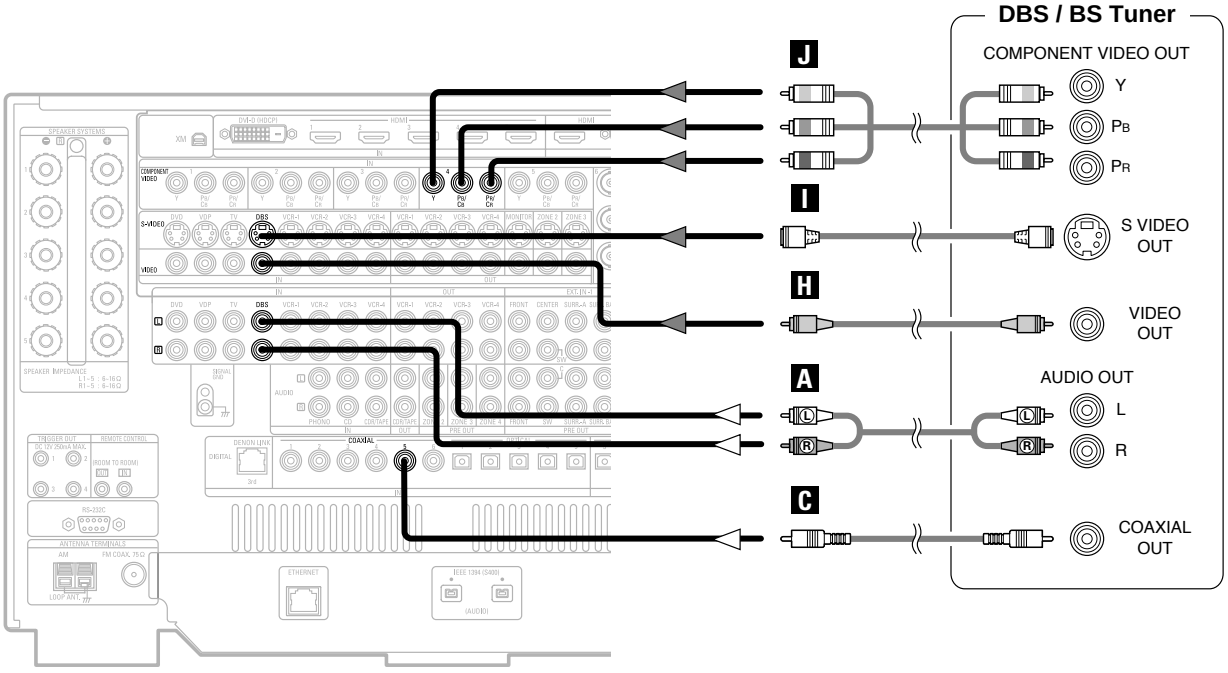
Connecting a TV tuner

- For best picture quality choose the component video connection to your TV tuner. S-Video and composite video outputs are also provided if your TV tuner does not have component video inputs.
- To connect the digital audio output from the TV tuner, you can choose from either the coaxial or optical connections. If you choose to use the optical connection, it needs to be assigned. For more information about Digital Input Assignment (☞ page 104).



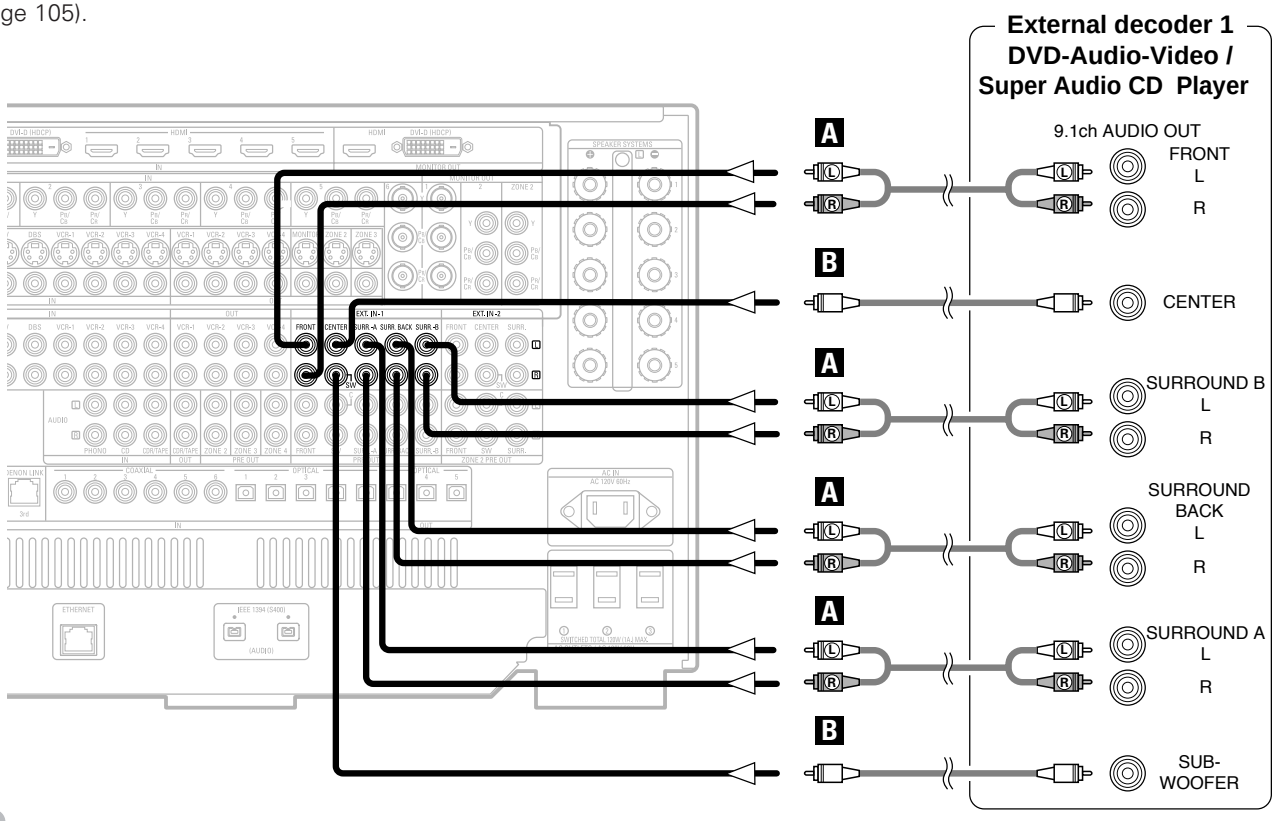
Connecting a DBS tuner

- For best picture quality choose the component video connection to your DBS tuner. S-Video and composite video outputs are also provided if your DBS tuner does not have component video inputs.
- To connect the digital audio output from the DBS tuner, you can choose from either the coaxial or optical connections. If you choose to use the optical connection, it needs to be assigned. For more information about Digital Input Assignment (☞ page 104).



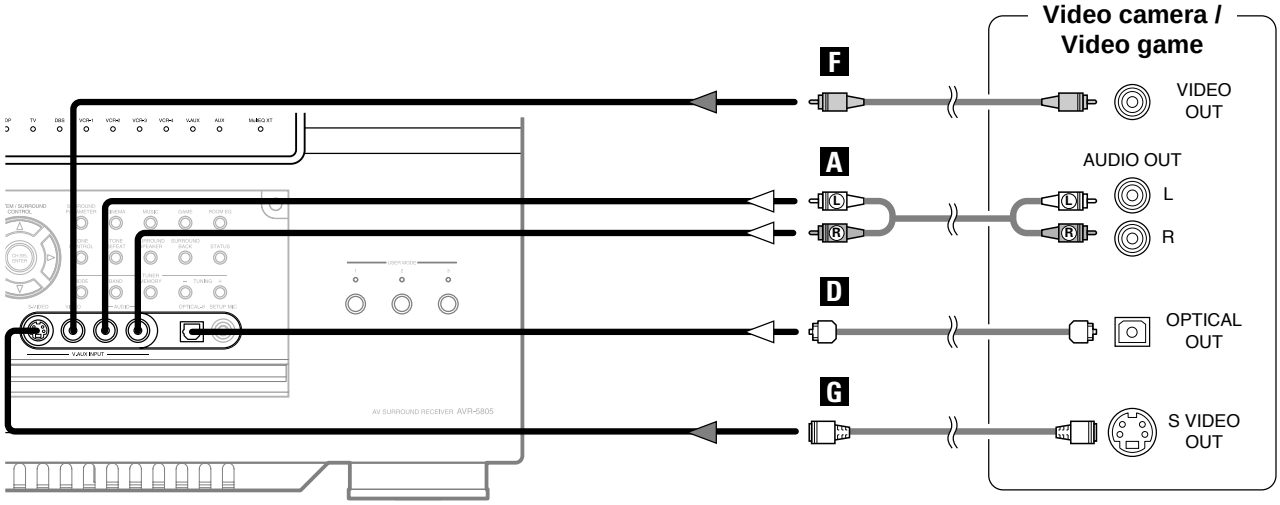
Connecting the external inputs (EXT. IN) terminals

- AVR-5805CI is equipped with two analog external input terminals for 9.1 channels and 5.1 channels.
- These terminals are for inputting multi-channel audio signals from an outboard decoder, or a component with a different type of multi-channel decoder, such as a DVD-Audio player, or a multi-channel Super Audio CD player, or other future multi-channel sound format decoder.
- The method of video signal connection is the same as that for DVD player (☞ page 18).
- For instructions on playback using the external input (EXT. IN) terminals (☞ page 47) and "Setting the EXT. IN Setup" (☞ page 105).



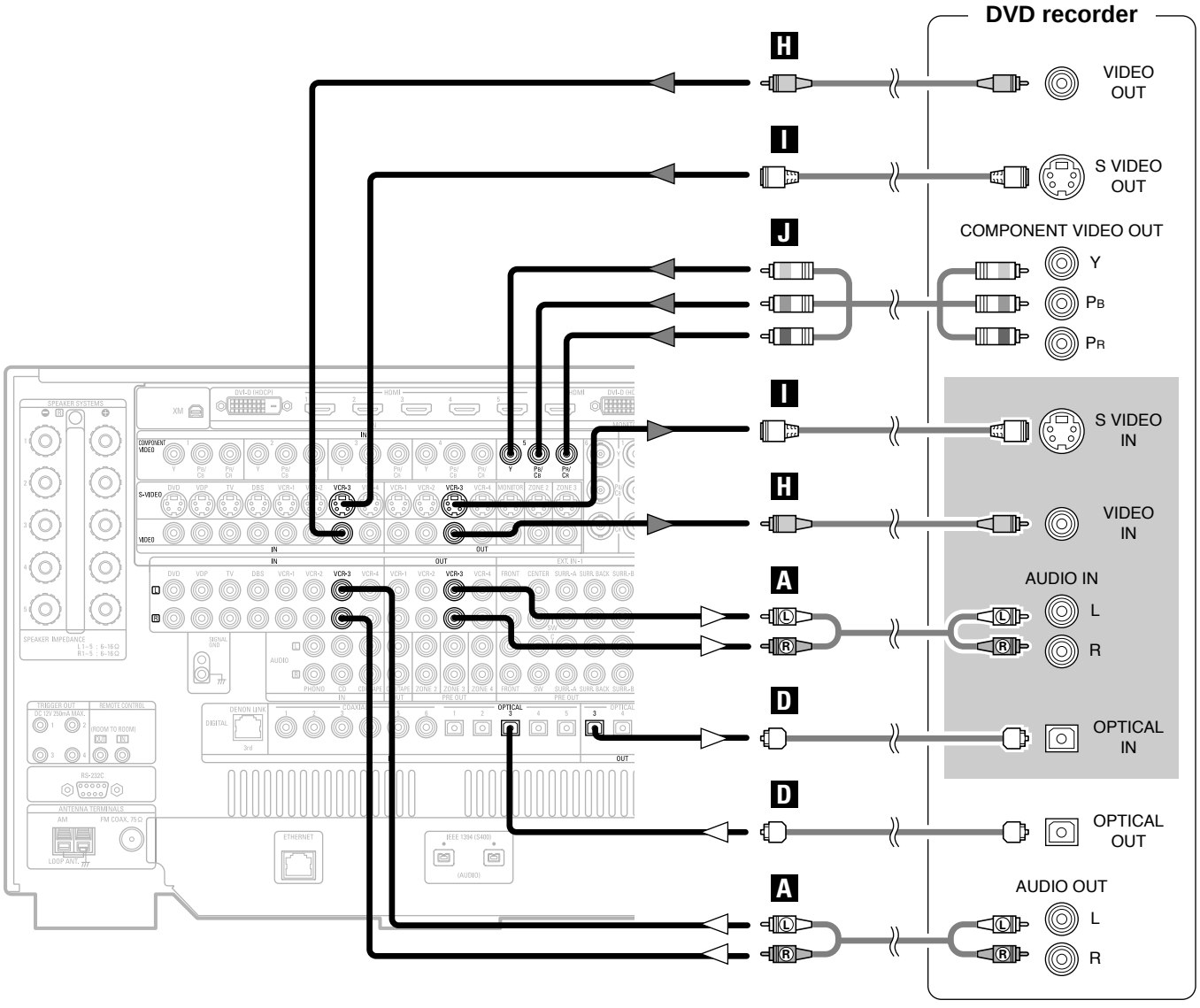
- The EXT. IN-2 terminal can be connected for 5.1-channels (FL, FR, C, SL, SR and SW) in the same way as the EXT. IN-1 terminal.
- With discs on which special copyright protection measures have been taken, however, the digital signals may not be output from the DVD player. In this case, connect the DVD player's analog multi-channel output to the AVR-5805CI's EXT. IN terminals for playback. Also refer to your DVD player's operating instructions.

Connecting a video camera or video game



Connecting a DVD recorder

- For best picture quality choose the component video connection to your DVD recorder. S-Video and composite video outputs are also provided. If you choose to use the component video or BNC connection, it needs to be assign. For more information about Component Input Assignment (☞ page 112).
- If you wish to perform analog dubbing from a digital sources, such as a DVD recorder to an analog recorder such as a cassette deck, you will needs connect analog inputs and outputs as shown below, in addition to the digital audio connections.
- To connect the digital audio output from the DVD recorder, you can choose from either the coaxial or the optical connections. If you choose to use the coaxial connection, it needs to be assigned. For more information about Digital Input Assignment (☞ page 104).

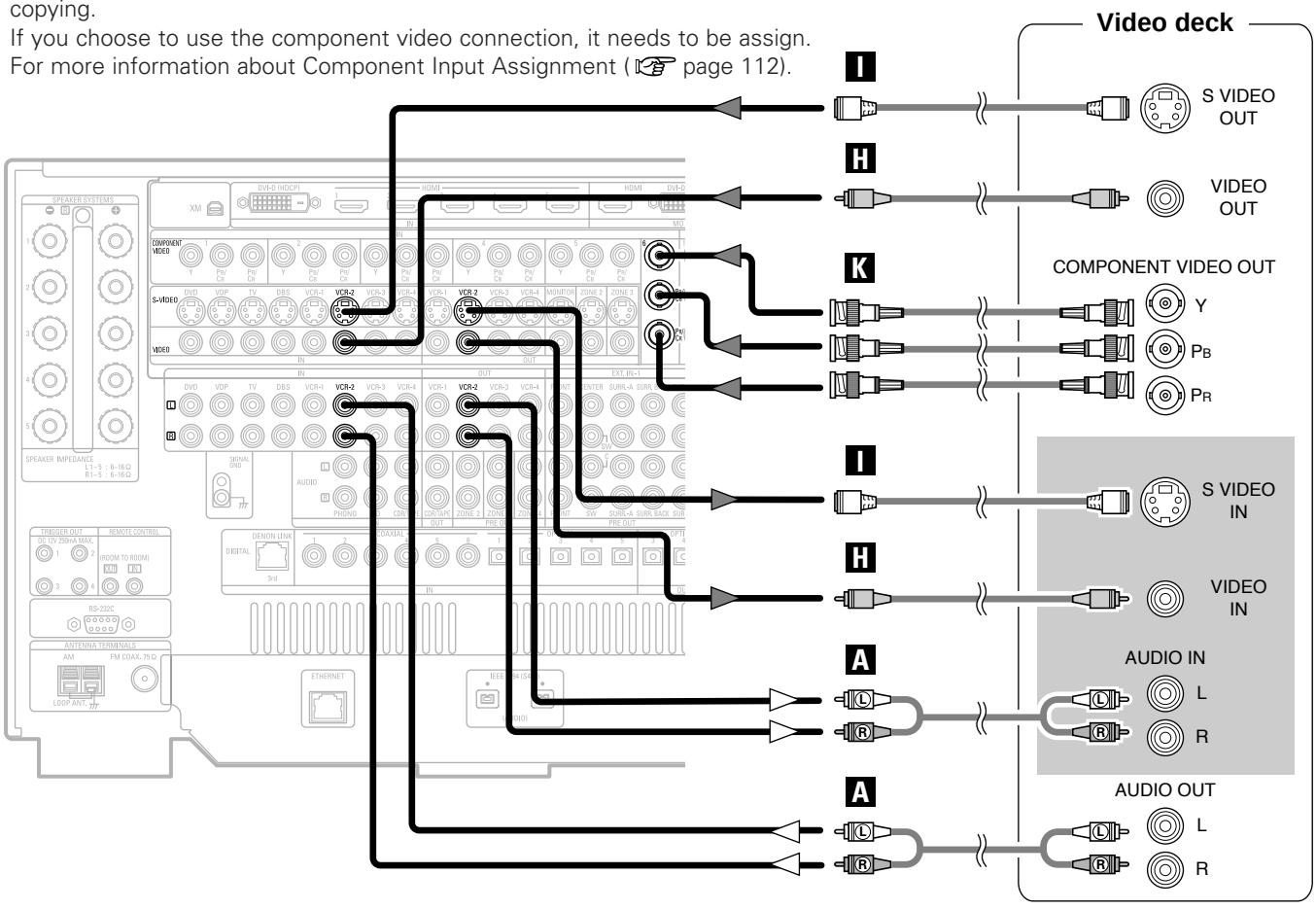


NOTE:

- When recording to DVD recorder, it is necessary that the type of cable used with the playback source equipment be the same type that is connected to the AVR-5805CI VCR-1 (to 4) OUT terminal.
  Example: TV IN → S-Video cable : VCR-1 to 4 OUT→ S-Video cable
  TV IN → Video cable : VCR-1 to 4 OUT→ Video cable
- Do not connect the output of the component connected to the OPTICAL 3 (to 5) OUT terminal on the AVR-5805CI's rear panel to any terminal other than the OPTICAL 3 (to 5) IN terminal.

Connecting a VCR

- There are three sets of video deck (VCR) terminals, so three video decks can be connected for simultaneous recording or video copying.
- If you choose to use the component video connection, it needs to be assign. For more information about Component Input Assignment (☞ page 112).

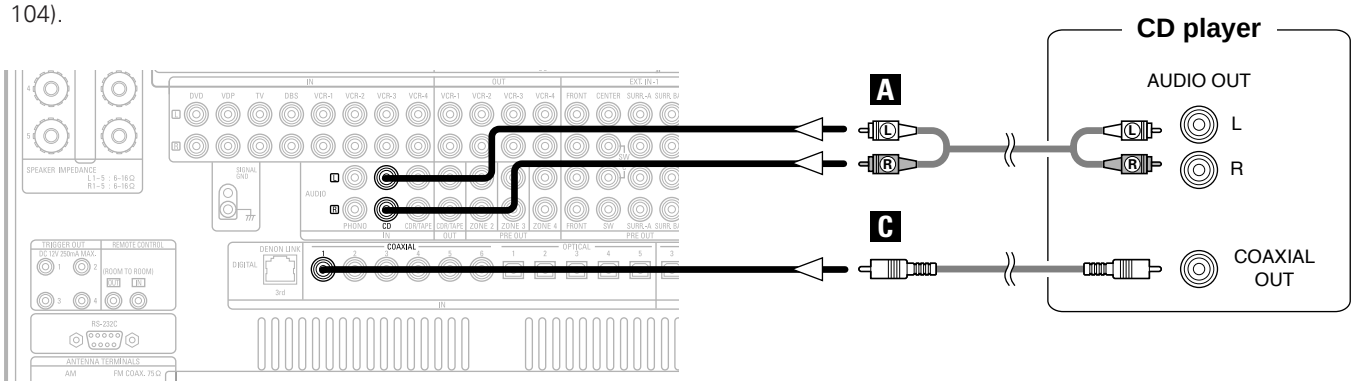


NOTE:

- When recording to VCR, it is necessary that the type of cable used with the playback source equipment be the same type that is connected to the AVR-5805CI VCR-1 (to 4) OUT terminal.
  Example: VCR-1 IN → S-Video cable : VCR-2 OUT→ S-Video cable
  VCR-2 IN → Video cable : VCR-1 OUT→ Video cable

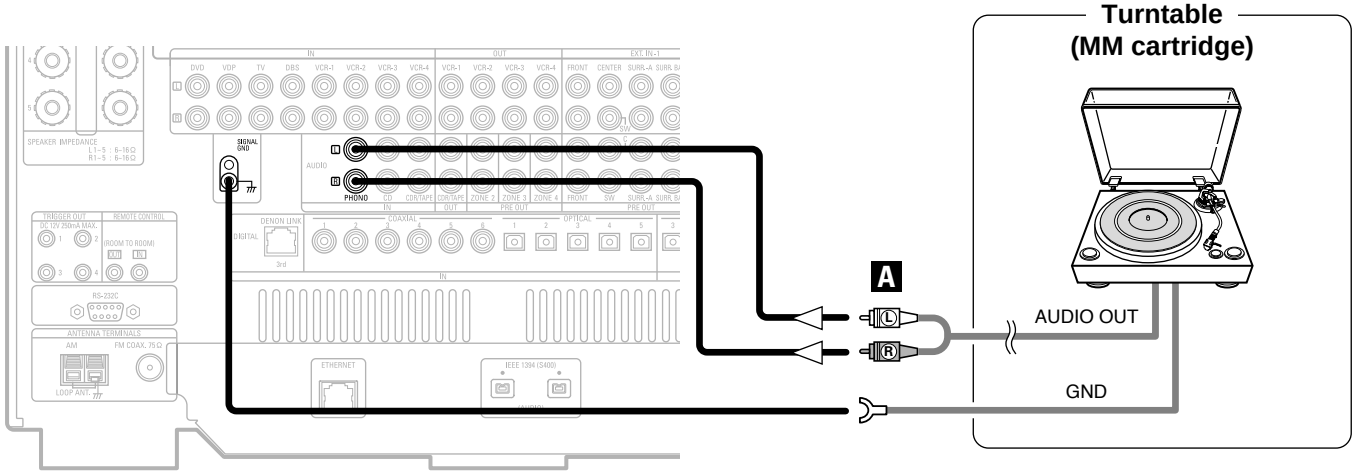
Connecting a CD player

- To connect the digital audio output from the CD player, you can choose from either the coaxial or optical connections. If you choose to use the optical connection, it needs to be assigned. For more information about Digital Input Assignment (☞ page 104).



Connecting a turntable

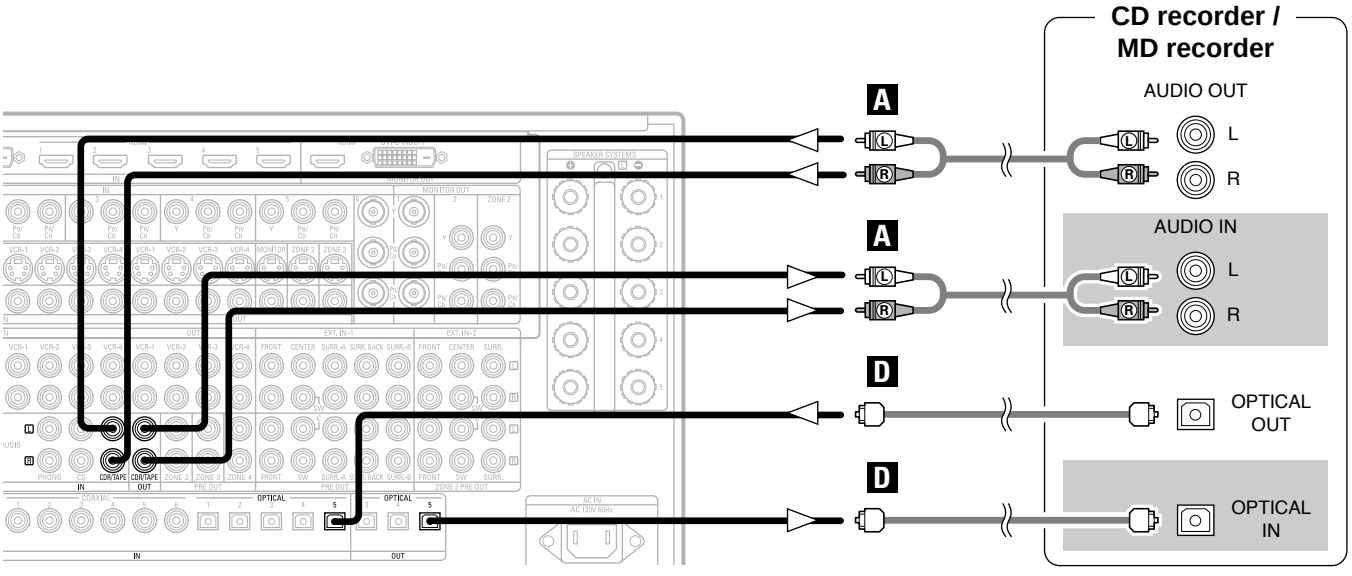
- You can connect the turntable (MM cartridge) to the PHONO terminals.



NOTE:
- The phono input can accept signals from moving magnet (MM) and high output moving coil (MC) phono cartridges. If your turntable is equipped with a low output MC cartridge, you will need to use a separate MC head amplifier or step-up MC transformer.
- If humming or other noise is generated when the ground wire is connected to the SIGNAL GND terminal, disconnect the ground wire.

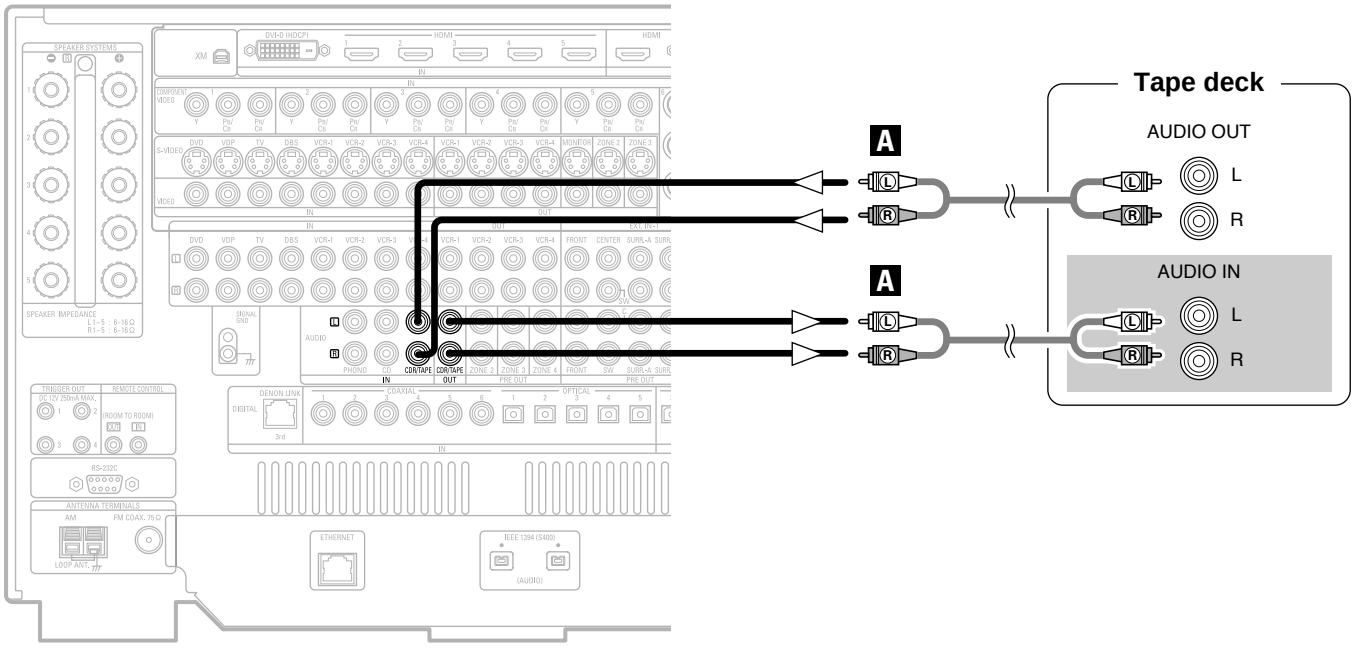
Connecting a CD recorder or MD recorder

- If you wish to perform analog dubbing from a digital source, such as a CD or MD recorder to an analog recorder such as a cassette deck, you will need to connect analog inputs and outputs as shown below, in addition to the digital audio connections.



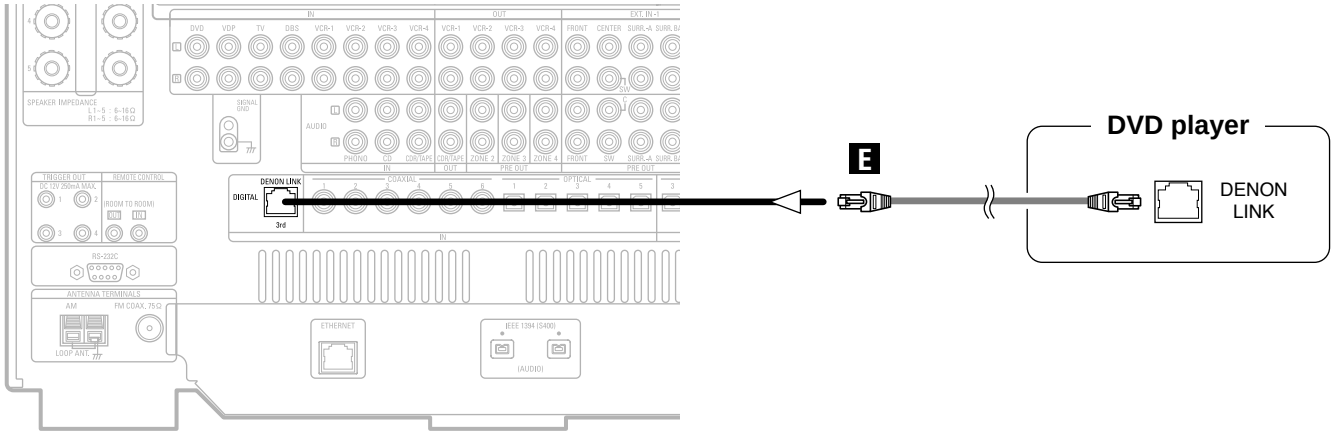
NOTE:
- Do not connect the output of the component connected to the OPTICAL 5 OUT terminal on the AVR-5805CI's rear panel to any terminal other than the OPTICAL 5 IN terminal.

Connecting a tape deck



DENON LINK connection

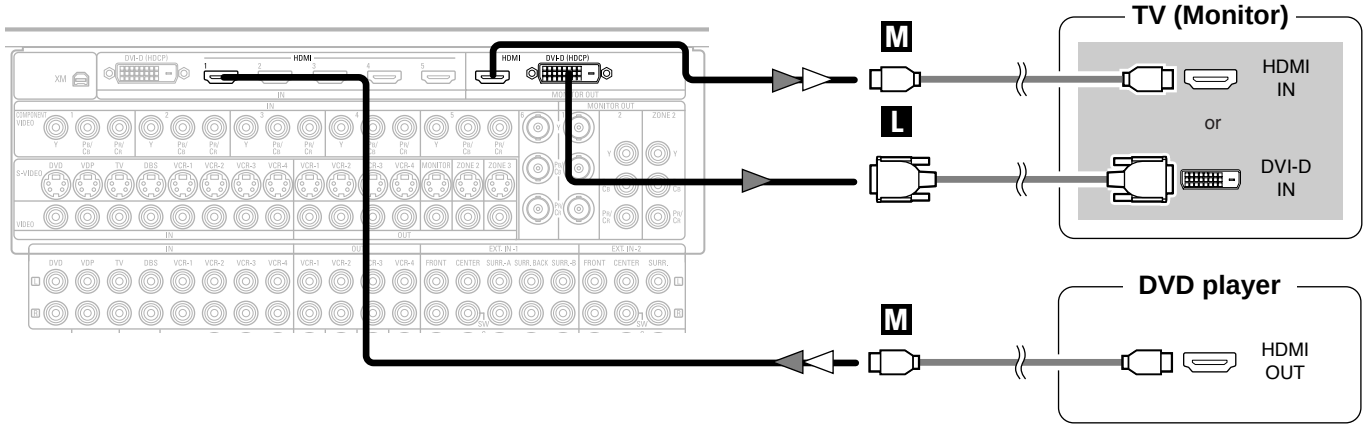
- High quality digital sound with reduced digital signal transfer loss can be enjoyed by connecting a separately sold DENON LINK compatible DVD player.
- Digital transfer and multi-channel playback of DVD-Audio discs and other multi-channel sources is possible by connecting the AVR-5805CI to a DENON DVD player equipped with a DENON LINK connector using the connection cable included with the DVD player.
- When a DENON DVD player and the DENON LINK have been connected, be sure to make a setting to "DENON LINK" with the System Setup Digital In Assignment (☞ page 104).



- With discs on which special copyright protection measures have been taken, however, the digital signals may not be output from the DVD player. In this case, connect the DVD player's analog multi-channel output to the AVR-5805CI's EXT. IN terminals for playback.
  Also refer to your DVD player's operating instructions.

Connecting equipment with HDMI terminals

- A simple 1-cable connection (using a commercially available cable) with a device having an HDMI (High-Definition Multimedia Interface) terminal allows digital transfer of the digital images of DVD-Video and other sources, and the multi-channel sound of DVD-Audio and DVD-Video.
- The HDMI and DVI-D monitor output terminals on the AVR-5805CI can only be used one at a time, not simultaneously.
- To provide audio output from AVR-5805CI's audio output terminal, select "AMP" at the System Setup.
  To provide audio output from the TV, select "TV" at the System Setup. For details, see "Setting the HDMI/DVI In Assignment" (☞ page 111, 112).



Input signals		
DVD-Video	LINEAR PCM	○
	Dolby Digital	○
	DTS	○
DVD-Audio	LINEAR PCM PACKED PCM (with CPPM / without CPPM)	○
CD	LINEAR PCM	○
Super Audio CD	Multi area	×
	Stereo area	×
	CD area	○

※ The AVR-5805CI is HDMI Ver. 1.1 compatible.

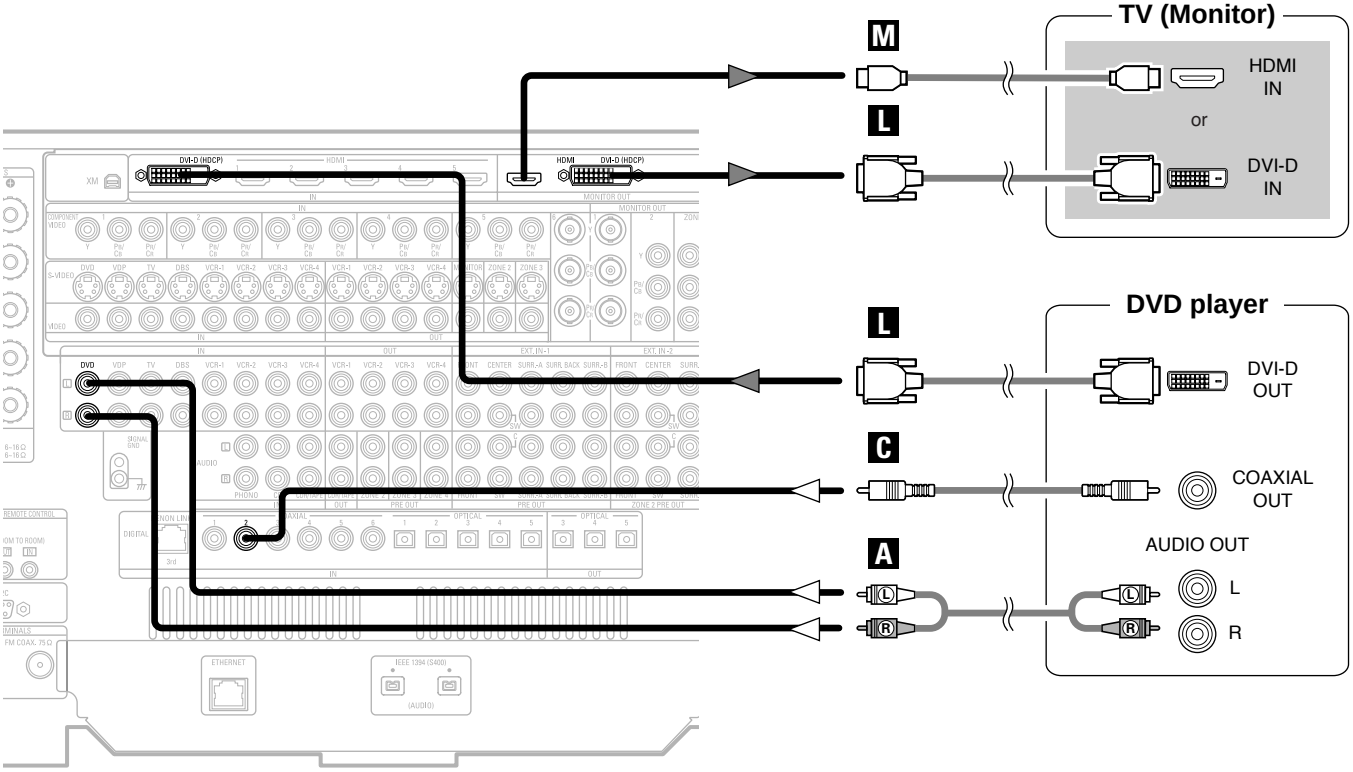
■ Copyright Protection System

To play back the digital video and audio of DVD-Video and DVD-Audio through an HDMI/DVI-D connection, both the connected player and monitor are required to support a copyright protection system called HDCP (High-bandwidth Digital Content Protection System). HDCP is copy protection technology that comprises data encryption and authentication of the partner equipment.
The AVR-5805CI supports HDCP. Please see the operating instruction of your video display for more information about this.

NOTE:
- The audio signals on the multi/stereo area of Super Audio CDs are not output. If the Super Audio CD is a hybrid CD, only the audio signals in the CD area are output.
- Use a compatible player to play DVD-Audio discs that are copyright protected by CPPM.
- Among the devices that support HDMI, some devices can control other devices via the HDMI cable; however, the AVR-5805CI cannot be controlled by another device via the HDMI cable.
- The audio signals from the HDMI terminal (including the sampling frequency and bit length) may be limited by the equipment that is connected.
- The video signals are not output properly if a device not compatible with HDCP is used.
- When "Through" is set at "Resolution" under "Setting the HDMI/Component Out Setup", use a monitor compatible with input resolutions of 480i/576i.
- The video signals input from the HDMI or DVI-D input terminals are output to the HDMI monitor with their original resolution, so the image will not be displayed if the resolutions of the input signal and the monitor being used are not matched. In this case, change the setting of the resolution on the source device (player) to one which the monitor can handle.
- The sound may be interrupted if the monitor's power is turned off when the HDMI audio signal's playback method is set to "AMP" at "Setting the HDMI/DVI In Assignment" (☞ page 111, 112).
- Use a cable including the HDMI logo (HDMI certified product) for connection of the HDMI terminal. Normal playback may not be possible if a cable that does not include the HDMI logo (non-HDMI-certified product) is used.

Connecting equipment with DVI-D terminals

- Connection with equipment that has a DVI-D (Digital Visual Interface)-D terminal permits the transfer of digital images. Make an analog or digital audio connection also.
- The HDMI and DVI-D monitor output connectors on the AVR-5805CI can only be used one at a time, not simultaneously.



- When connecting via a DVI-D cable, no digital audio will be output from the HDMI monitor out terminal.

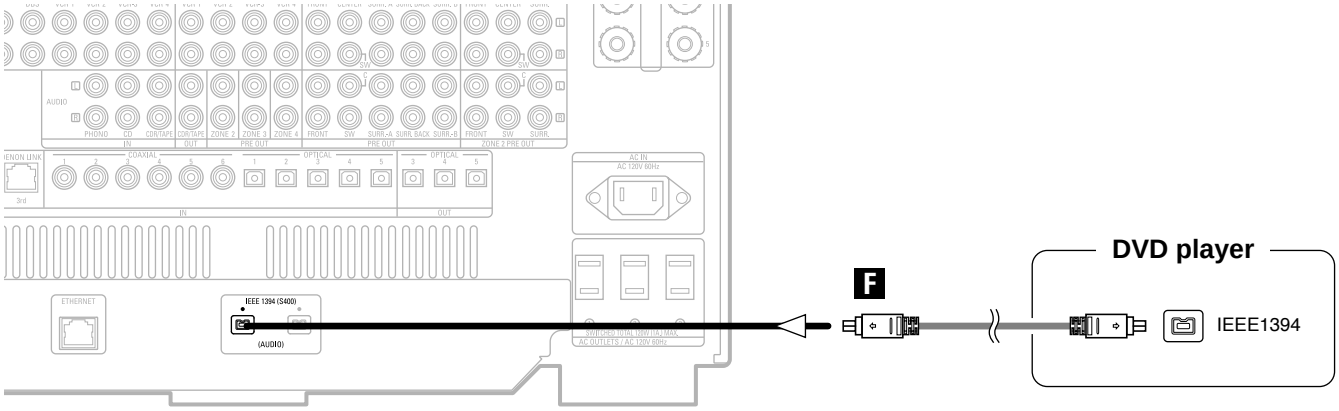
NOTE:
- Commercially-available DVI-D cables are available in 24-pin and 29-pin types. The AVR-5805CI supports the 24-pin DVI-D cable.
- The AVR-5805CI supports HDCP. Use an HDCP-compatible HDMI monitor.

※ Note on connecting a HDMI/DVI-D
The table below indicates the compatibility of connections between the HDMI/DVI-D output terminal of the AVR-5805CI and monitors that support HDMI/DVI-D.

	Monitor with HDMI	Monitor with DVI-D (HDCP compatible)	Monitor with DVI-D (HDCP incompatible)
HDMI output terminal	○ (Video / Audio)	○ (Only Video)	×
DVI-D output terminal	○ (Only Video)	○ (Only Video)	×

Connecting IEEE1394 devices

- For the digital transfer of signals from Super Audio CDs and DVD-Audio discs, connect using an IEEE1394 cable. For instructions on playing Super Audio CDs (☞ page 99).
- Assign the IEEE1394 input the input source. For details, see "Setting the IEEE1394 Assignment" (☞ page 107).



■ IEEE1394 network

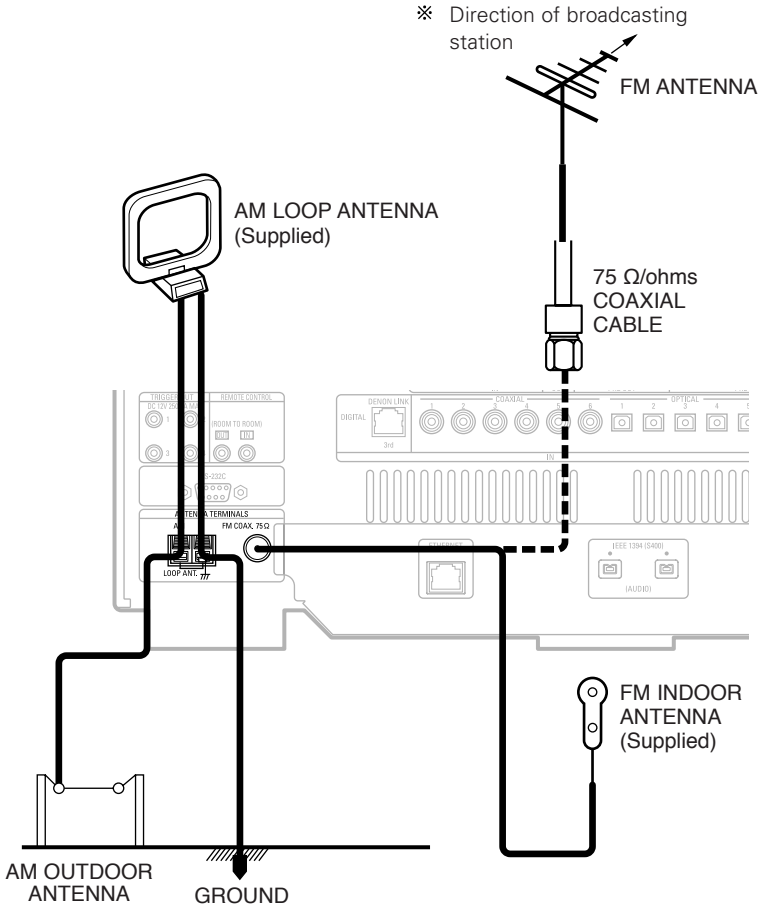
① Up to 17 devices can be connected using daisy chain type connections.
② Up to 63 devices can be connected using tree type connections.
Do not loop the connections.
③ "LINK CHECK" is displayed when an input source to which an IEEE1394 is assigned is selected and connection to the IEEE1394 device is being checked.
④ If the connection is looped, "LOOP CONNECT" is displayed. Check the connections and undo the loop.

NOTE:

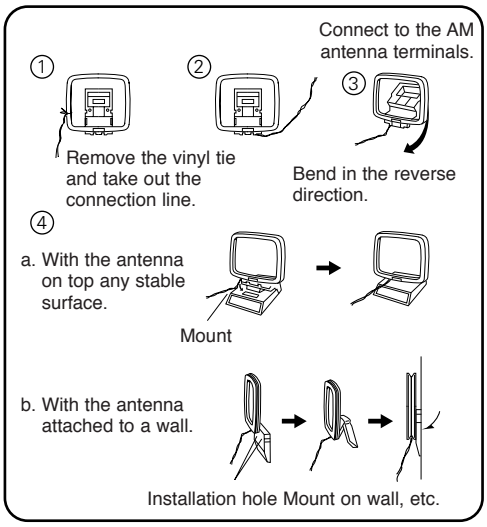
- Do not use an IEEE1394 cable to connect the AVR-5805CI with a computer.
- The AVR-5805CI will not operate when connected to equipment other than that conforming to "IEEE1394 AUDIO (A&M protocol)" standards or when connected to computer peripherals.
  Also please note that operation is not guaranteed even when connected to IEEE1394-compatible equipment. Whether or not data and control signals can be sent and received between interconnected IEEE1394-compatible equipment depends on the functions of the different equipment. Please read the operating instructions of the equipment to be connected.
- Use an S400-compatible 4-pin IEEE1394 cable to connect.
- Video signals are not transferred with the AVR-5805CI's IEEE1394 interface, so when connecting a video device connect the video signals as well.

Connecting the antenna terminals

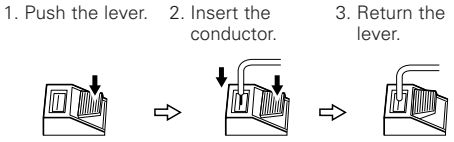
• An F-type FM antenna cable plug can be connected directly.



■ AM loop antenna assembly



Connection of AM antennas



Note to CATV system installer

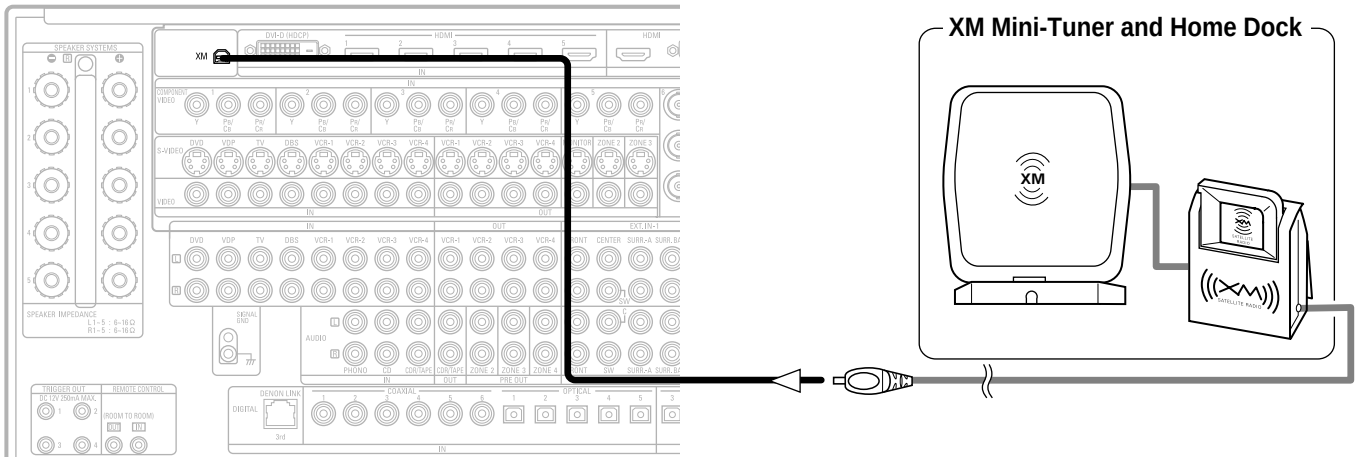
• This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

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 AM loop antenna lead terminals do not touch metal parts of the panel.

Connecting the XM terminal

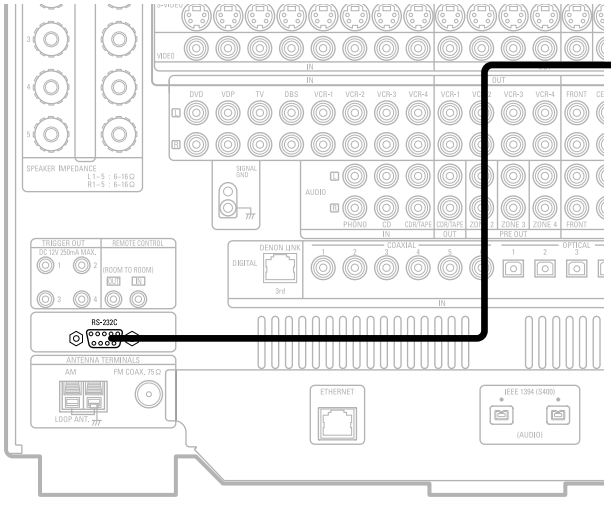
- AVR-5805CI is the XM Ready® receiver. You can receive XM® Satellite Radio by connecting to the XM Mini-Tuner and Home Dock (includes home antenna, sold separately) and subscribing to the XM service.
- Plug the XM Mini-Tuner Home Dock into XM terminal on the rear panel.
- Position the Home Dock antenna near a south-facing window to receive the best signal.
  For details, see "XM Satellite Radio" (☞ page 71).
  When making connections, also refer to the operating instructions of the XM Mini-Tuner and Home Dock.



NOTE:
- Keep the power supply cord unplugged until the XM Mini-Tuner and Home Dock connection has been completed.

- The XM name and related logo are registered trademarks of XM Satellite Radio Inc. All rights reserved.
- XM Ready is a registered trademark of XM Satellite Radio Inc. All rights reserved.

Connecting the CONTROL terminal



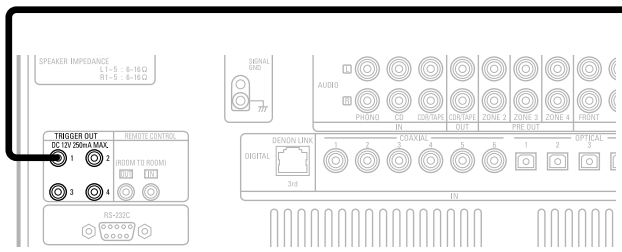
This terminal is used for an external controller.

Perform the following operation before using an external controller connected to the RS-232C terminal:

1. Press the **ON/STANDBY** button on the main unit and set the unit to the operating mode.
2. Perform the operation to turn off the power from the external control.
3. Check that the product has been set to the standby mode.

After checking the above, check the connections of the external controller. Operation is possible.

Connecting the TRIGGER OUT terminals



Turn the DC 12 V voltage on and off for the individual functions and surround modes.
For details, see "Setting the Trigger Out" (☞ page 135).

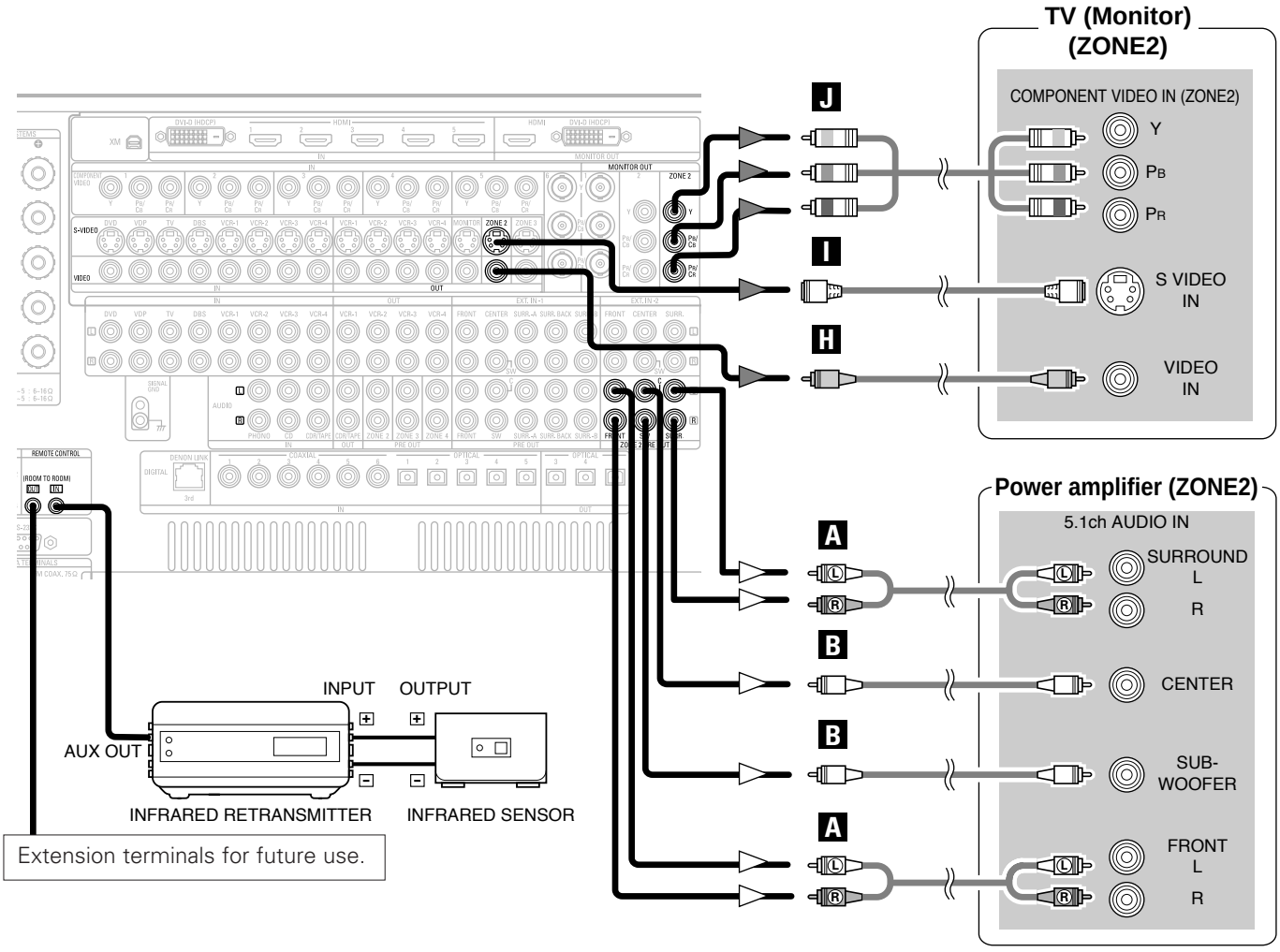
Connecting the MULTI ZONE terminals

※ For instructions on operations using the MULTI ZONE functions (☞ page 87 ~ 98).

ZONE2 connections

- It is possible to connect a separate amplifier to the AVR-5805CI and simultaneously listen to a different program source than that in the MAIN ZONE in a different room (ZONE2/3/4) (☞ page 88 ~ 92).
- The ZONE2 video out is only for the ZONE2.

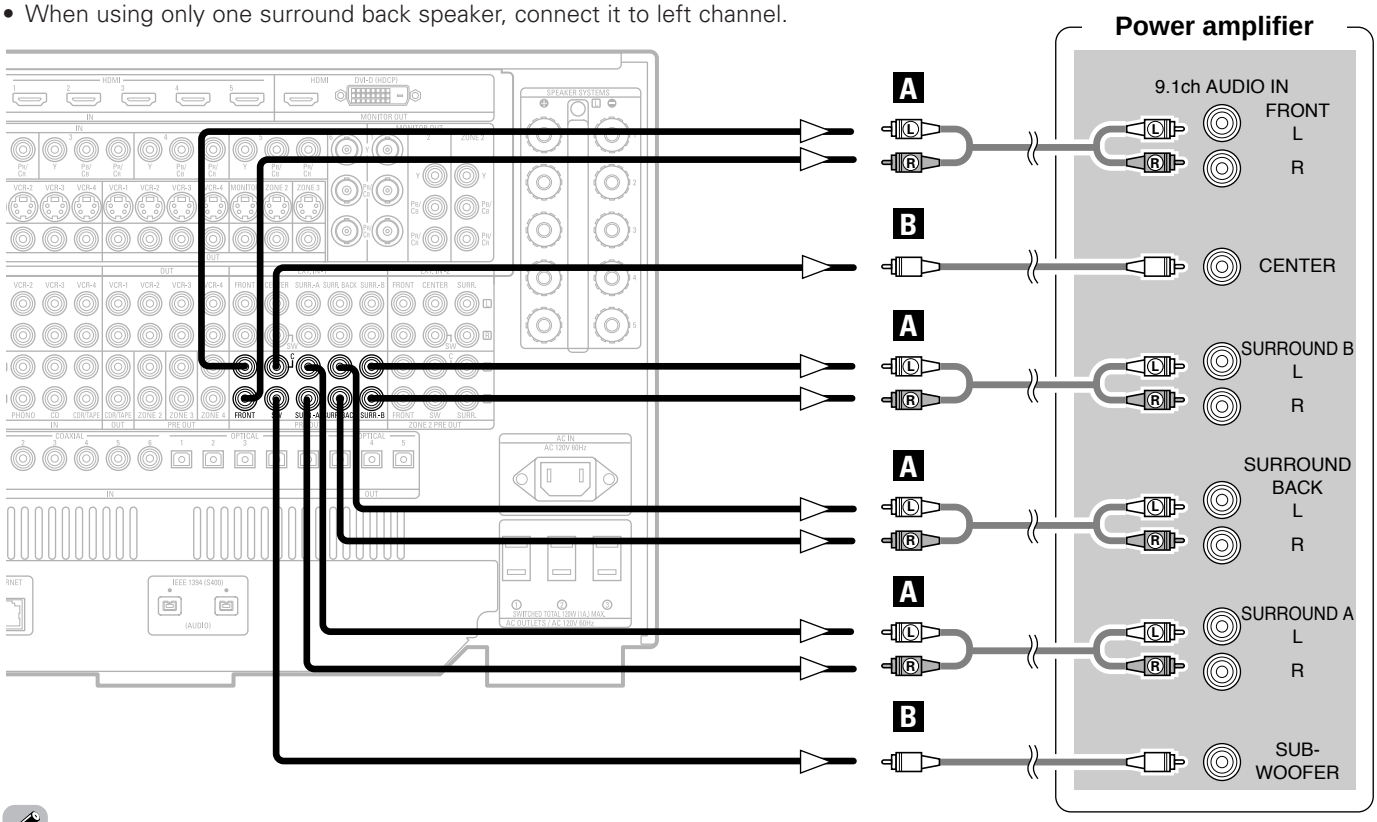
※ **The diagram below shows an example of connections for performing surround playback in ZONE2. For 2 channel connections in ZONE2 and for ZONE3 and ZONE4 connection examples, see pages 87 ~ 92.**



NOTE:
- For the AUDIO output, use high quality pin-plug cables and wire in such a way that there is no humming or noise.
- For instructions on installation and operation of separately sold devices, refer to the devices' operating instructions.

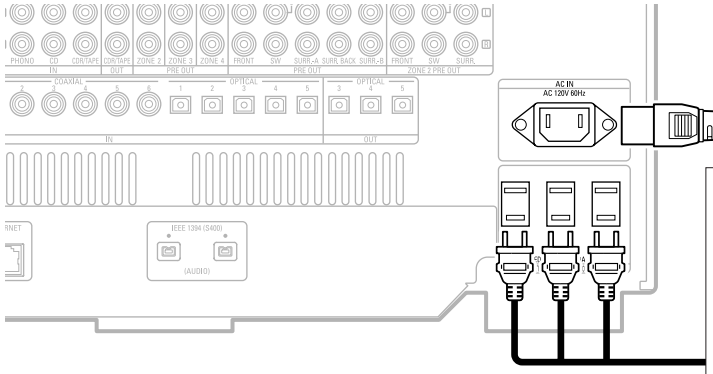
Connecting the pre-out terminals

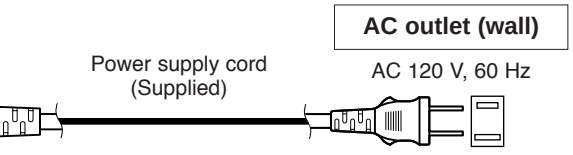
- Use these terminals if you wish to connect external power amplifier(s) to increase the power of the front, center, surround and surround back sound channels, or for connection to powered loudspeakers.
- When using only one surround back speaker, connect it to left channel.



- By changing the MAIN ZONE channel settings, up to three subwoofers can be connected to the AVR-5805CI.
  For more information about "Setting the Channel Setup" (☞ page 126 ~ 128).

Connecting the power supply cord





AC OUTLETS

- SWITCHED (total capacity – 120 W (1 A.))
  The power to these outlets is turned on and off in conjunction with the **POWER** switch on the main unit, and when the power is switched between on and standby from the remote control unit.
  No power is supplied from these outlets when this unit's power is at standby. Never connect equipment whose total capacity is above 120 W (1 A.)

- The AC outlets can be set to turn on and off for the different functions.
  For details, see "Setting the AC Outlet Assignment" (☞ page 136).

NOTE:

- Only use the AC OUTLETS for audio equipment. Never use them for hair driers, TVs or other electrical appliances.
- Insert the plugs securely. Incomplete connections will result in the generation of noise.

Basic Operation

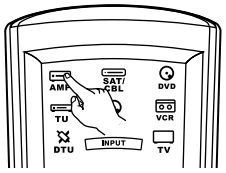
Playback

Operating the remote control unit

- The RC-1036 remote control has a backlit EL display whose contents change according to the mode or function selected, with the appropriate remote commands for that mode or function.

■ **Operate the this unit**

The AMP button is the main mode for controlling the AVR-5805CI in the main room (MAIN ZONE).

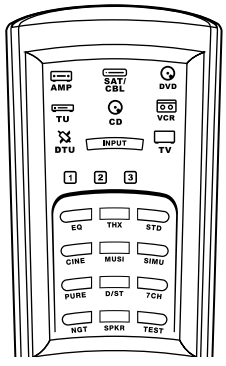


※ The function switches as shown below each time one of the **AMP** button is pressed.

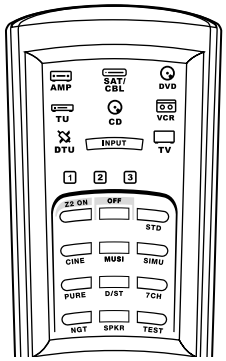
AMP → ZONE2 → ZONE3 → SYSTEM CALL → ZONE4 → AMP

※ The EL display switches as shown below with respect to the selected mode.

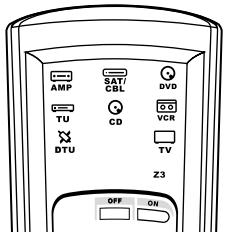
■ **AMP mode**
To operate the MAIN ZONE function.



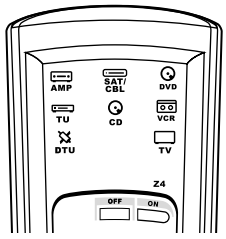
■ **ZONE2 mode**
To operate the ZONE2 function.



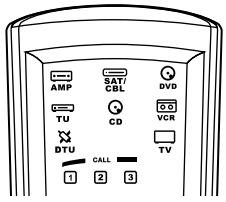
■ **ZONE3 mode**
To operate the ZONE3 function.



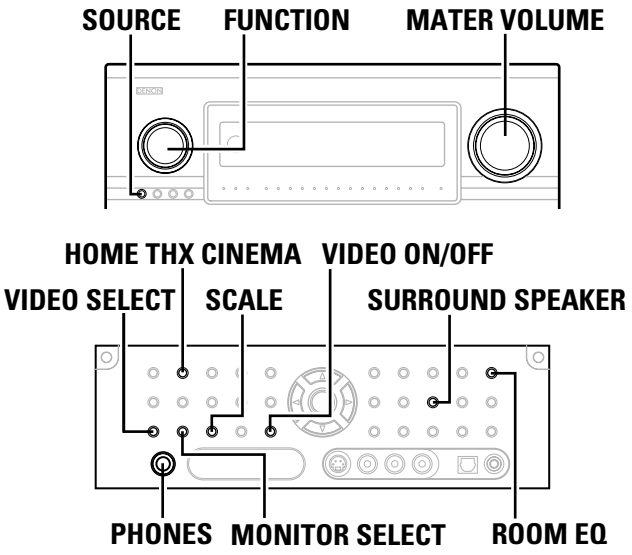
■ **ZONE4 mode**
To operate the ZONE4 function.

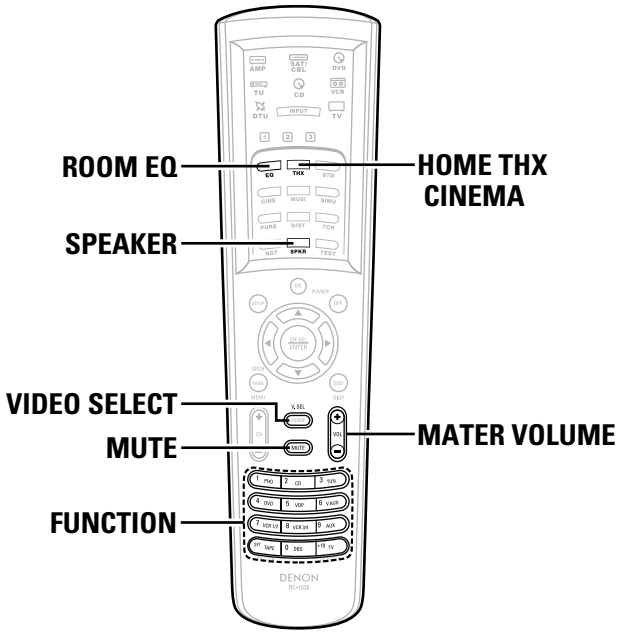


■ **SYSTEM CALL mode**
To operate the "System call" function.



- This function provides the ability to program a series of individual remote control codes into a macro stored under one of the number pad's numeric choices (☞ page 84, 85).



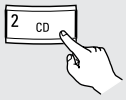


Playing the input source

1 **Select the input source to be played.**
- The input source indicator lights.

Example: CD

(Main unit)



(Remote control unit)

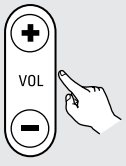
※ To select the input source when ZONE2 SELECT, ZONE3/4/REC SELECT or TUNING PRESET is selected, press the **SOURCE** button on the main unit then operate the **FUNCTION** konb.

2 **Start playback on the selected component.**

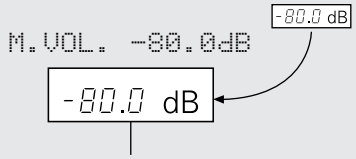
※ For operating instructions, refer to the component's manual.

3 **Adjust the volume.**

(Main unit)



(Remote control unit)



The volume level is displayed on the master volume indicator.

※ The volume can be adjusted within the range of –80.0 to +18.0 dB, in steps of 0.5 dB. However, when the channel level is set (☞ page 64, 65 or 134), if the volume for any channel is set at +0.5 dB or greater, the volume cannot be adjusted up to 18.0 dB. (In this case the maximum volume adjustment range is "18.0 dB — (Maximum value of channel level)".)

※ Also, you may not be able to adjust the volume to the maximum of 18.0 dB when internal volume compensation control is activated due to the combination of the surround mode and parameters, downmixing from multi-channel audio signals into two channels, etc.

■ To choose the surround sound mode

Example: HOME THX CINEMA

Press the HOME THX CINEMA button.

※ For more information about the surround modes (☞ page 51 ~ 53).

■ To select the Room EQ function

Press the ROOM EQ button.

※ For more information about the Room EQ function (☞ page 48).

Turning the sound off temporarily (MUTING)

• Use this to mute the audio output temporarily.

Press the MUTE button.

※ You can adjust the muting level (☞ page 134).

• Cancelling MUTING mode:
Press the **MUTE** button again, or press the **MASTER VOLUME** button on the remote control, or adjust the volume up or down via the front panel **MASTER VOLUME** knob.

Listening over headphones

Connect the headphone to the PHONES jack.

• The pre-out output (including the speaker output) is automatically turned off when headphones are connected.

NOTE:
• To prevent hearing loss, be careful not to raise the volume level excessively when using headphones.

Switching the surround speakers

Press the SPEAKER button.

※ The surround speakers switch as shown below each time the **SPEAKER** button is pressed.

SURROUND A → SURROUND B → SURROUND A+B → SURROUND A

※ This operation is possible when the setting for using both surround speakers A and B is made at "Speaker Configuration" (☞ page 140, 141).

Switching between HDMI and DVI-D monitor output

The monitor out terminal switch as shown below each time the MONITOR SELECT button is pressed.

HDMI ⟷ DVI

Selection of resolution setting (SCALE)

Press the SCALE button.

※ The resolution switches as follws each time the **SCALE** button is pressed.

• When "HDMI" is selected for the "Scaler" setting:

480p/576p → 1080i → 720p → 1080p → Through → 480p/576p

• When "Component" is selected for the "Scaler" setting:

480p/576p → 1080i → 720p → Through → 480p/576p

※ When the **SCALE** button is pressed, the current setting is shown on the display. If the **SCALE** button is pressed while the current setting is displayed, the "Resolution" setting can be changed.
※ For description of the each resolution settings, see page 113 to 114.

Combining the currently playing sound with the desired image (VIDEO SELECT)

Press the VIDEO SELECT button until the desired image appears.

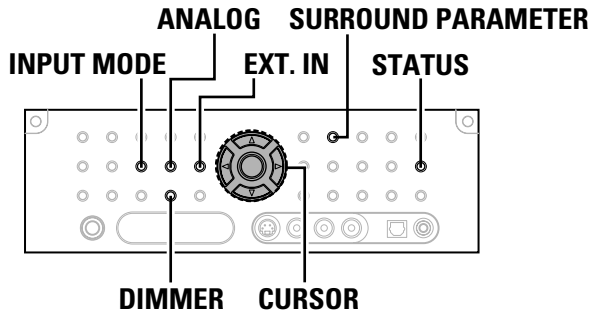
※ The video source selected with the video select function is stored in the memory for the different input sources.

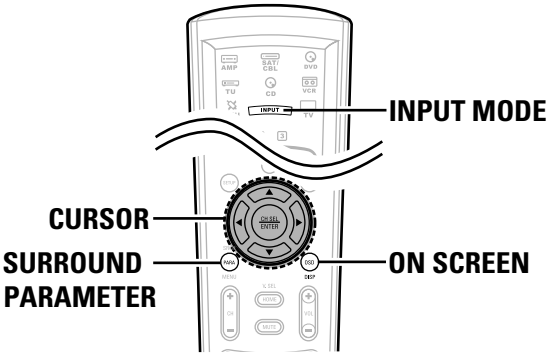
• Cancelling simulcast playback:
Select the "SOURCE" pressing the **VIDEO SELECT** button.
• It is not possible to select HDMI and DVI input signals.
• When playing HDMI/DVI video input signals, the analog video signal of another function cannot be selected for the HDMI video output.
• If the VIDEO SELECT mode is used during playback in the XM or Network Audio, the picture switches to the picture selected from the control panel display.
Cancel the VIDEO SELECT mode if you want to display the control panel.

Video on/off

• When no video signals of a DVD, etc., are connected to the AVR-5805CI and the DVD, etc., are connected directly to a TV, etc., the unneeded video circuitry can be turned off by selecting the "VIDEO OFF" setting.

Press the VIDEO ON/OFF button.





Checking the currently playing program source, etc.

■ On screen display

Press the ON SCREEN button.

※ Each time an operation is performed, a description of that operation appears on the display connected to AVR-5805CI's VIDEO MONITOR OUT terminal. Also, the unit's operating status can be checked during playback.
※ Such information as the position of the input selector and the surround settings is output in sequence.

■ Front panel display

Press the STATUS button.

※ Descriptions of the unit's operations are also displayed on the front panel display. In addition, the display can be switched to check the unit's operating status while playing a source.

■ Using the dimmer function

• Use this to change the brightness of the display.

Press the DIMMER button.

※ The display brightness changes in four steps (bright, medium, dim and off).

Input mode

• The AVR-5805CI has an AUTO signal detection mode that automatically identifies the type of incoming audio signals, but is also equipped with a manual mode that can be switched according to the type of input audio signals.

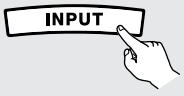
■ Selecting the AUTO, PCM and DTS modes

Press the INPUT MODE button.

※ The mode switches as shown below each time the **INPUT MODE** button on the main unit is pressed:

AUTO → PCM → DTS

When operating the remote control unit:



(Remote control unit)

※ The mode switches as shown below each time the **INPUT MODE** button on the remote control unit is pressed:

AUTO → PCM → DTS → ANALOG → EXT.IN -1 → EXT.IN -2 → AUTO

AUTO (All auto mode)**:**
In this mode, the types of signals being input to the digital and analog input terminals for the selected input source are detected and the program in the AVR-5805CI's surround decoder is selected automatically upon playback. This mode can be selected for all input sources other than PHONO and TUNER.
The presence or absence of digital signals is detected, the signals input to the digital input terminals are identified and decoding and playback are performed automatically in DTS, Dolby Digital or PCM (2 channel stereo) format. If no digital signal is being input, the analog input terminals are selected.
Use this mode to play Dolby Digital signals.

PCM (exclusive PCM signal playback mode)**:**
Decoding and playback are only performed when PCM signals are being input.
Note that noise may be generated when using this mode to play signals other than PCM signals.

DTS (exclusive DTS signal playback mode)**:**
Decoding and playback are only performed when DTS signals are being input.

■ Selecting the EXT. IN mode

1 **Press the EXT. IN button on the main unit or INPUT MODE button on the remote control unit to switch the external input.**

When operating the main unit:

EXT.IN -1 ⟷ EXT.IN -2

EXT. IN-1:
Once this is selected, the input signals connected to the FRONT L, FRONT R, CENTER, SURR. L A/B (surround left A/B), SURR. R A/B (surround right A/B) SBL (surround back left) and SBR (surround back right) channels of the EXT. IN terminals are output directly to the front (left and right), center, surround A/B (left and right A/B) and surround back (left and right) speaker systems as well as the pre-out terminals.
In addition, the signal input to the SW (subwoofer) terminal is output to the PRE OUT SW (subwoofer) terminal.

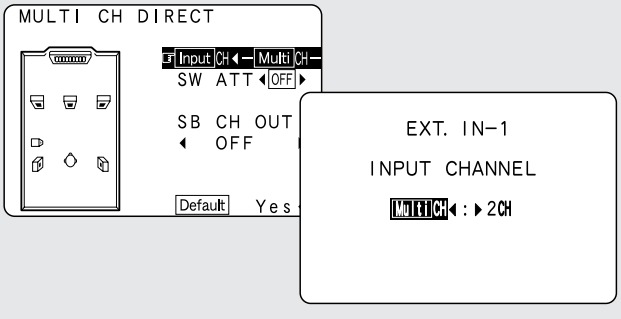
EXT. IN-2:
Once this is selected, the input signals connected to the FRONT L, FRONT R, CENTER, SURR. L (surround left) and SURR. R (surround right) channels of the EXT. IN terminals are output directly to the front (left and right), center and surround (left and right) speaker systems as well as the pre-out terminals.
In addition, the signal input to the SW (subwoofer) terminal is output to the PRE OUT SW (subwoofer) terminal.

2 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.

3 **Press the CURSOR △ or ▽ button to select the parameter.**

2 CH:
Select when the input source being played is a 2 channel source.

MULTI CH:
Select when the input source being played is a multi-channel source.



※ Press the **CURSOR** ◁ button to set the "Input channel".
Press the **ENTER** button to return to the previous screen.

4 **Press the CURSOR ◁ or ▷ button to select the setting.**

5 **Press the SURROUND PARAMETER button to complete the setting.**

- Cancelling the external input mode:
  Press the **INPUT MODE** or **ANALOG** button to switch to the desired input mode.
- The external input mode can be set for any input source. To watch video while listening to sound, select the input source to which the video signal is connected, then set this mode.
- If the subwoofer output level seems too high, set the "SW ATT" surround parameter to "ON".

Playback using the external input treminals (EXT.IN-1 and EXT.IN-2)
- When the "ANALOG" mode is selected at "EXT.IN Setup" at the System Setup:
  The surround mode buttons are not operated.
- When the "DSP" mode is selected at "EXT.IN Setup" at the System Setup:
  The surround mode buttons are operated.

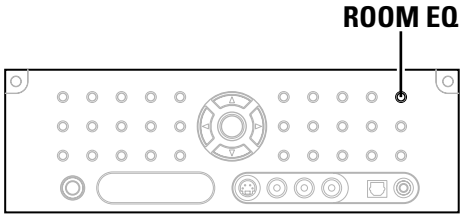
NOTE:
- When the input mode is set to EXT. IN (1 or 2), playback in the DIRECT, STEREO, STANDARD (DOLBY/DTS SURROUND), HOME THX CINEMA, 9CH STEREO and DSP SIMULATION modes are only possible when "DSP" mode is selected for the "Setting the EXT.IN Setup" (☞ page 105).
- In play modes other than the external input mode, the signals connected to these terminals cannot be played. In addition, signals cannot be output from channels not connected to the input terminals.

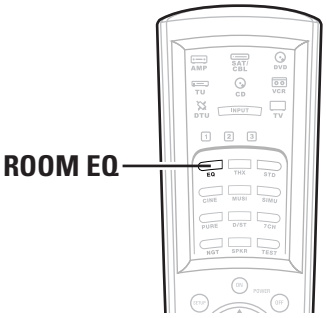
■ Selecting the analog mode

Press the ANALOG button on the main unit or INPUT MODE button on the remote control unit to switch to the analog input.

ANALOG (exclusive analog audio signal playback mode)**:**
The signals input to the analog input terminals are decoded and played.

NOTE:
- Input mode when playing DTS sources:
  Noise will be output if DTS-compatible CDs or LDs are played in the "ANALOG" or "PCM" mode.
  When playing DTS-compatible sources, be sure to connect the source component to the digital input terminals (OPTICAL/COAXIAL) and set the input mode to "DTS".





■ Input mode indicator

Depending on the input signal.

- In the AUTO mode

AUTO PCM DTS AL24 DENON LINK
ANALOG EXT.IN V.OFF IEEE 1394

- In the DIGITAL PCM mode

AUTO PCM DTS AL24 DENON LINK
ANALOG EXT.IN V.OFF IEEE 1394

- In the DIGITAL DTS mode

AUTO PCM DTS AL24 DENON LINK
ANALOG EXT.IN V.OFF IEEE 1394

- In the ANALOG mode

AUTO PCM DTS
ANALOG EXT.IN

- In the EXT. IN mode

AUTO PCM DTS
ANALOG EXT.IN

■ Input signal indicator

- DOLBY DIGITAL

DIGITAL
dts
DSD PCM
DIG. HDCD

- DTS

DIGITAL
dts
DSD PCM
DIG. HDCD

- PCM

DIGITAL
dts
DSD PCM
DIG. HDCD

Depending on the input signal.
- The "DSD" indicator lights when the DENON LINK or IEEE1394 have been connected and the DSD signals have been input (☞ page 35, 38).

Depending on the input signal.
- The "HDCD" indicator lights when digital signals are being input with a player that supports HDCD playback.

※ The "DIG." indicator lights when digital signals are being input properly. If the "DIG." indicator does not light, check whether the "Digital In Assign" (☞ page 104) and connections are correct and whether the component's power is turned on.

※ AL24 processing is activated when PCM signals are played while the surround mode is set to PURE DIRECT, DIRECT, STEREO, MULTI CH PURE DIRECT, MULTI CH DIRECT or MULTI CH IN.

※ Advanced AL24 processing is activated when PCM (2 channel) signals are played while the surround mode is set to PURE DIRECT or DIRECT.

NOTE:
- The "DIG." indicator will light when playing CD-ROMs containing data other than audio signals, but no sound will be heard.

Room EQ function

- The AVR-5805CI's Auto Setup / Room EQ function offers three correction curves: "Audyssey", "Front", "Flat". The timbre of the speakers can also be adjusted manually using a graphic equalizer.
  Details of the different correction curves are described below.

Press the ROOM EQ button.

- The Room EQ switches as follows each time the **ROOM EQ** button is pressed.

OFF → Audyssey → Front → Flat → Manual

※ The "Audyssey" is selected, the MultEQ XT indicator lights green.

※ The "Front" or "Flat" is selected, the MultEQ XT indicator lights red.

※ The MultEQ XT indicator also lights red if the "Speaker Configuration", "Delay Time", "Channel Level" or "Crossover Frequency" is set manually after conducting the Auto Setup procedure.

Audyssey:
This adjusts the frequency response of all speakers to correct the effects of room acoustics.

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

Flat:
This the frequency response of all speakers flat.
This is suitable for multi-channel music reproduction, from discrete music sources such as Dolby Digital 5.1, DTS, DVD-Audio and Super Audio CD.

Manual:
Selects the setting value that was set in the Manual EQ Setup.
For details of the "Manual EQ Setup" (☞ page 118, 119).

- The "Audyssey", "Front" and "Flat" Room EQ curves can be selected after performing the Auto Setup procedure.

Surround

Playing modes for different sources

- The AVR-5805CI is equipped with many surround modes. We recommend using the surround modes as described below in order to achieve the maximum effect for the specific signal source.

※ ▭ is a 6.1 channel/7.1 channel surround mode.

Sources recorded in Dolby Digital Surround EX

THX SURROUND EX (☞ page 52, 53)
- Maximum performance for playing movies on the AVR-5805CI.

DOLBY DIGITAL EX / +PLⅡx[*2] (☞ page 54, 55)
- This mode is optimized for playing sources recorded in Dolby Digital Surround EX.

Sources recorded in DTS-ES

DTS-ES DSCRT 6.1 / MTRX 6.1 / +PLⅡx[*2] (☞ page 54, 55)
- This is the optimum mode for playing sources recorded in DTS-ES.

ES DSCRT 6.1+THX / ES MTRX 6.1+THX (☞ page 52, 53)
- When playing movies, setting this mode sometimes results in a more natural sound. Select the mode as desired.

Dolby Digital or DTS Surround (5.1 ch sources) 2 ch sources recorded in Dolby Surround

THX Ultra2 CINEMA[*1] **/ THX MUSIC MODE**[*1] **/ THX Games Mode**[*1] **/ PLⅡx C+THX** (☞ page 52, 53)
- These modes are suited for playing 5.1 channel sources in 7.1 channels. Select the desired surround mode for the movie and music sources.

WIDE SCREEN (☞ page 61, 62)
- Effective for 2 channel sources recorded in Dolby Surround or for 7.1 channel playback with 5.1 channel sources.

HOME THX CINEMA (THX 5.1) (☞ page 51)
- This mode is optimized for playing 5.1 channel movies.
- For sources recorded in Dolby Surround as well, this mode provides the same power as with 5.1 channel sources.

DOLBY DIGITAL / DOLBY DIGITAL+PLⅡx[*2] **/ DTS SURROUND / DTS 96/24 / DTS+PLⅡx**[*2] **/ DTS+NEO:6** (☞ page 54, 55)
- This mode is optimized for playing 5.1 channel or 7.1 channel music.
- For Dolby Surround recording sources, Dolby Pro Logic Ⅱ playback is conducted.

Sources recorded in stereo Sources recorded in monaural

PURE DIRECT (☞ page 50)
- By suspending all circuits and processes not required, analog input music playback can be played with optimum quality.

DIRECT / STEREO (☞ page 50)
- Effective for achieving pure playback.
- If there is no need for tone control or distribution of the low frequencies in function of the speaker configuration, select the DIRECT mode to achieve the best sound quality.

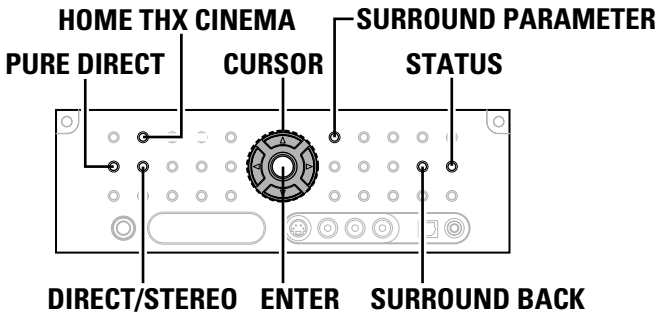
DENON Original Surround Modes (☞ page 61, 62)
- Select these for 7.1 channel playback with sources recorded in stereo or monaural.
- The effects are different for each of the surround modes. Select the one most suited for the source being used.

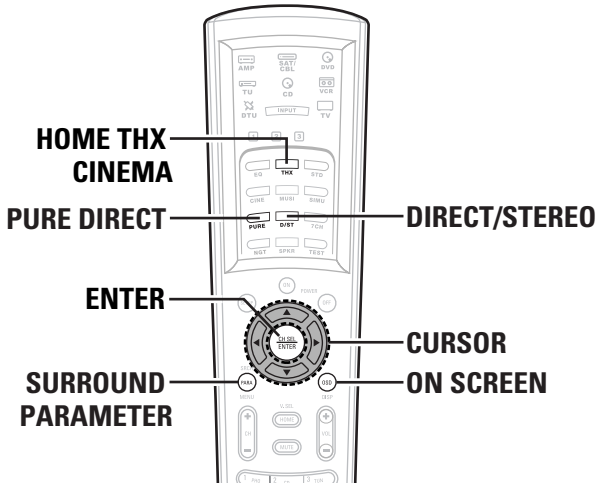
DTS NEO:6 (☞ page 58)
- This is a surround mode for playing 6.1 or 7.1 channel stereo sources developed by Digital Theater Systems.
- One of two playing modes, MUSIC (for music sources) or CINEMA (for movie sources), can be selected according to your preferences.

DOLBY PRO LOGIC Ⅱx[*2] (☞ page 56, 57)
- Developed by Dolby Laboratories, this surround mode provides 7.1 channel surround sound with conventional stereo (2 channel) sources.
- Select CINEMA mode for movie surround soundtracks, MUSIC for music sources, and GAME for 2 channel game box audio sources.

- Though we recommend selecting the surround mode as described above, other surround modes can also be selected.

NOTE:
- Surround modes indicated with an asterisk (*1) require the use of two surround back speakers.
- Surround modes marked with an asterisk (*2) cannot be used when the surround back speaker is set to "NONE".
- The "+PLⅡx Cinema" mode cannot be selected when only one surround back speaker is being used.





Playing audio sources (CDs and DVDs) 2 channel playback modes

- The AVR-5805CI is equipped with three 2 channel playback modes exclusively for music.
- Select the mode to suit your tastes.

■ PURE DIRECT mode

This mode reproduces the sound with extremely high quality. The audio signals do not pass through the tone circuits, etc., and the display and surrounding circuits that could affect the audio signals are turned "OFF".

Press the PURE DIRECT button to select the PURE DIRECT mode.

■ DIRECT mode

Use this mode to achieve good quality 2 channel sound. In this mode, the audio signals bypass such circuits as the tone circuit and are transmitted directly, resulting in good quality sound.

Press the DIRECT/STEREO button to select the DIRECT mode.

※ The mode switches as shown below each time the **DIRECT/STEREO** button on the main unit is pressed.

DIRECT ⟷ STEREO

※ When press **SURROUND PARAMETER**:
The subwoofer output can be controlled directly.

■ STEREO mode

Use this mode to adjust the tone and achieve the desired sound.

Press the DIRECT/STEREO button to select the STEREO mode.

- The system setup function cannot be used when the PURE DIRECT mode is set. To use the system setup function, cancel the PURE DIRECT mode.
- If the HDMI input terminal is selected, video outputs are output in the PURE DIRECT mode.
- The channel level and surround parameters in the PURE DIRECT mode are the same as in the DIRECT mode.

THX Surround EX / Home THX Cinema mode

- When the **HOME THX CINEMA** button is pressed, the surround mode is set as follows according to the signal that is played:
  ① THX Surround EX (THX Ultra2 Cinema)
  ② Home THX CINEMA (PLⅡx C + THX)
  ③ THX 5.1
  ④ ES DSCRT 6.1 +THX, ES MTRX 6.1 + THX

※ When the HOME THX CINEMA mode is set when a DVD is played, check the DVD player's digital output setting and change the setting to one for which Dolby Digital and DTS bit stream signals can be output ("bit stream", for example).

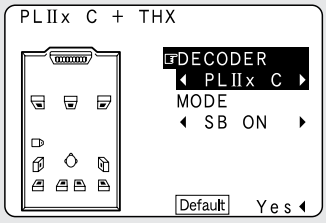
■ Playing sources recorded in Dolby Surround in the Home THX Cinema Surround mode

1 **Press the HOME THX CINEMA button to select "Home THX Cinema" mode.**

2 **Play a program source with the DOLBY SURROUND mark.**

※ For operating instructions, refer to the manuals of the respective components.

3 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.



4 **Press the CURSOR △ or ▽ button to select the parameter.**

5 **Press the CURSOR ◁ or ▷ button to select the setting.**

6 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

■ To play in the THX Surround EX / Home THX Cinema Surround mode for sources recorded in Dolby Digital or DTS

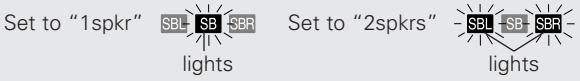
1 **Press the HOME THX CINEMA button to select "Home THX Cinema" mode.**

2 **Play a program source with the DOLBY DIGITAL, dts mark.**
- The Dolby Digital indicator lights when playing Dolby Digital sources.
- The DTS indicator lights when playing DTS sources.

※ For operating instructions, refer to the manuals of the respective components.

※ The channel status information during playback of Dolby Digital and DTS sources can be checked pressing the **STATUS** button on the main unit.

※ Press the **SURROUND BACK** button.
Lights when the Surround Back channel is on.



■ Surround parameters ①

DECODER:

Select the decoder to be used when playing 2 channel sources in the Home THX Cinema mode.

- **PLⅡx C:**
  The signals are decoded in the Dolby Pro Logic Ⅱx Cinema mode before undergoing THX processing.
- **PLⅡ C:**
  The signals are decoded in the Dolby Pro Logic Ⅱ Cinema mode before undergoing THX processing.
- **PL:**
  The signals are decoded in the Dolby Pro Logic mode before undergoing THX processing.
- **NEO:6 C:**
  The signals are decoded in the NEO:6 Cinema mode before undergoing THX processing.

MODE/SB CH OUT:

Select the surround back channel playback method or mode.

- **ON:**
  This is the recommended play mode for using the surround back channel when DTS NEO:6 is selected.
- **OFF:**
  This is the recommended play mode when Dolby Pro Logic Ⅱ is selected. The surround back channel is not played.

■ Checking the input signal

- The input signal can be checked by pressing the remote control unit's **ON SCREEN** button.

SIGNAL:

Displays the type of signal (DTS, DOLBY DIGITAL, PCM, etc.).

fs:

Displays the input signal's sampling frequency.

FORMAT:

Displays the input signal's number of channels.
"Number of front channels/Number of surround channels/LFE on/off"
"SURROUND" is displayed for 2 channel signal sources recorded in Dolby Surround.

OFFSET:

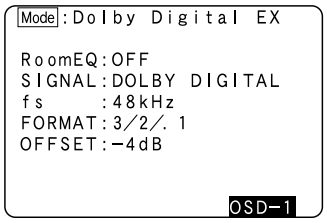
Displays the dialog normalization offset value (☞ page 55).

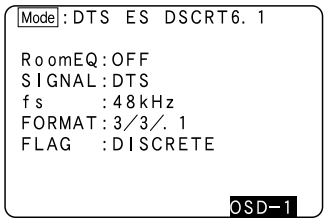
FLAG:

Displays the special identification signal recorded in the input signal.
"MATRIX" is displayed if the input signal has undergone matrix processing, "DISCRETE" is displayed if the input signal has undergone discrete processing.
Not displayed when no identification signal is recorded.

- In addition, screen information is displayed in the following order when the **ON SCREEN** button is pressed repeatedly:

OSD-1	Audio input signal
OSD-2	Monitor information
OSD-3	Input/output
OSD-4	Auto surround mode
OSD-5	USER MODE 1
OSD-6	USER MODE 2
OSD-7	USER MODE 3
OSD-8~14	Tuner preset stations





NOTE:

- OSD-2:
  The monitor's resolution is displayed when an HDMI monitor is connected to the AVR-5805CI.
- OSD-4:
  This is displayed when the auto surround mode is set to "ON" (☞ page 117) and the input mode is set to "AUTO".
  It is not displayed when the input mode is set to "ANALOG" or "EXT. IN".

■ Surround parameters ②

MODE/SB CH OUT:

Select the surround back channel playback method or mode.

(1) (Multi channel source)

THX Surround EX:

Dolby Digital signals are played in the "THX Surround EX" mode.

Ultra2 Cinema:

The signals are played in the THX Ultra2 Cinema mode.

Music Mode:

The signals are played in the THX Music mode.

Games Mode:

The signals are played in the THX Games mode.

NON MTRX:

The same signals as those of the surround channels are output from the surround back channels.

MTRX ON:

The surround channel signals undergo digital matrix processing and are output from the surround back channels.

SB OFF (OFF):

No signal is played from the surround back channels.

ES MTRX:

When playing DTS signals, the surround back signals undergo digital matrix processing for playback.

ES DSCRT:

When a signal identifying the source as a discrete 6.1 channel source is included in the DTS signals, the surround back signals included in the source are played.

PLⅡx Cinema:

Processing is performed with the Cinema mode of the PLⅡx decoder and the surround back channel is reproduced.

PLⅡx Music:

Processing is performed with the Music mode of the PLⅡx decoder and the surround back channel is reproduced.

(2) (2ch source)

OFF:

Playback is conducted without using the surround back speaker.

ON:

Playback is conducted using the surround back speaker.

※ This operation can be performed directly pressing the **SURROUND BACK** button.

AFDM (Auto Flag Detect Mode):

- **ON:**

  This function only works with software on which a special identification signal is recorded. This software is scheduled to go on sale in the future.

  This is a function for automatically playing in the 6.1 channel mode using the surround back speaker(s) if the software is recorded in Dolby Digital EX or DTS-ES or in the normal 5.1 channel mode without using the surround back speaker(s) when the software is not recorded in Dolby Digital EX or DTS-ES.

  When AFDM is set to "ON" and the EX/ES flag is detected automatically, the surround mode is fixed according to the playing program source.

  In this case, the "MODE/SB CH OUT" parameter can not be selected on the surround parameter screen.

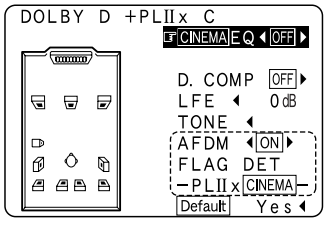
- **OFF:**

  When the identification signal is detected automatically and you would like to select the surround mode freely, set AFDM to "OFF".

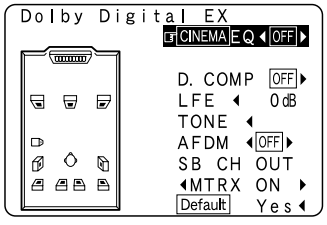
  In this case, the "MODE/SB CH OUT" parameter can be selected on the surround parameter screen regardless of the playing program source.

Example: When playing software that has a Dolby Digital EX flag

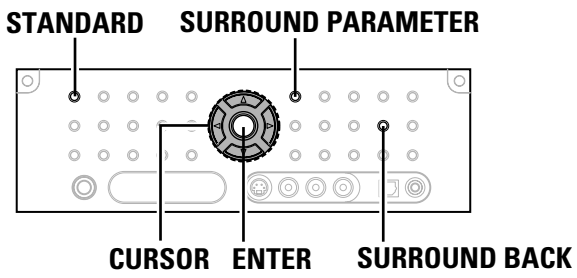
① When AFDM is set to "ON", the surround mode is automatically set to the "DOLBY DIGITAL + PLⅡx CINEMA" mode. The surround parameter screen shown at the below is displayed.

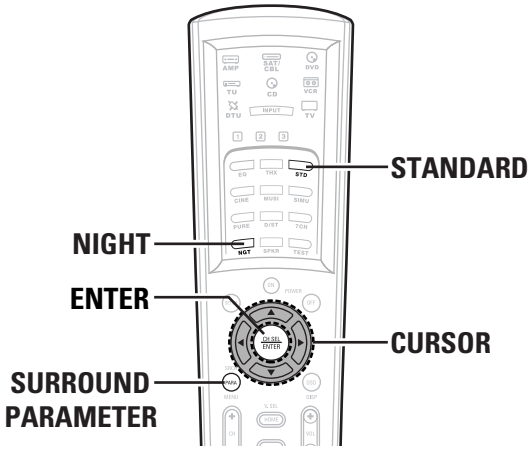


② When you would like to play back with the "Dolby Digital EX" mode, set AFDM to "OFF" and select "MTRX ON" with "SB CH OUT".



※ Some discs recorded in Dolby Digital EX do not include EX flag. If the playing mode does not switch automatically when the AFDM turns "ON" during playback, manually set "SB CH OUT" to "PLⅡx Cinema" or "MTRX ON".





Dolby Digital mode and DTS Surround (only with digital input)

1 **Press the STANDARD button to select "STANDARD (Dolby/DTS Surround)" mode.**

2 **Play a program source with the DOLBY DIGITAL, dts mark.**

- The Dolby Digital indicator lights when playing Dolby Digital sources.
- The DTS indicator lights when playing DTS sources.

lights

lights

※ Press the **SURROUND BACK** button.
Lights when the Surround Back channel is on.

Set to "1spkr" 

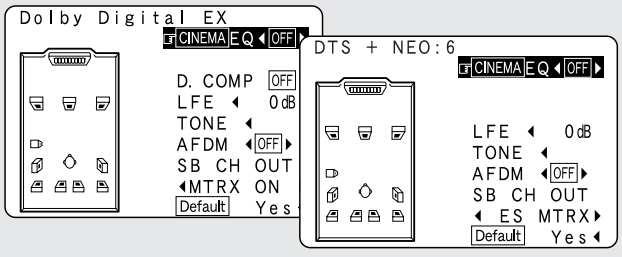
lights

Set to "2spkrs" 

lights

3 **Press the SURROUND PARAMETER button.**

- The surround parameter menu appears.



4 **Press the CURSOR △ or ▽ button to select the parameter.**

5 **Press the CURSOR ◁ or ▷ button to select the setting.**

6 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

- Select "Default Yes" and press the **CURSOR** ◁ button to reset all the settings.

■ Surround parameters ③

CINEMA EQ. (Cinema Equalizer)**:**
The Cinema EQ function gently decreases the level of the extreme high frequencies, compensating for overly-bright sounding motion picture soundtracks. Select this function if the sound from the front speakers is too bright.
This function only works in the Dolby Pro Logic IIx, Dolby Pro Logic, Dolby Digital, DTS Surround, DTS NEO:6 and WIDE SCREEN modes.

D.COMP. (Dynamic Range Compression)**:**
Motion picture soundtracks have tremendous dynamic range (the contrast between very soft and very loud sounds). For listening late at night, or whenever the maximum sound level is lower than usual, the Dynamic Range Compression allows you to hear all of the sounds in the soundtrack (but with reduced dynamic range). (This only works when playing program sources recorded in Dolby Digital or DTS.) Select one of the four parameters ("OFF", "LOW", "MID" (middle) or "HI" (high)). Set to OFF for normal listening.
This parameter is displayed only when playing compatible sources in DTS mode.

LFE (Low Frequency Effect)**:**
This sets the level of the LFE (Low Frequency Effect) sounds included in the source when playing program sources recorded in Dolby Digital, DTS, DVD-Audio or Super Audio CD.
Program source and adjustment range:
1. Dolby Digital: –10 dB to 0 dB
2. DTS Surround: –10 dB to 0 dB

※ **When DTS encoded <u>movie</u> software is played, it is recommended that the LFE LEVEL be set to 0 dB for correct DTS playback.**

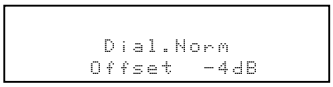
※ **When DTS encoded <u>music</u> software is played, it is recommended that the LFE LEVEL be set to –10 dB for correct DTS playback.**

TONE:
This adjusts the tone control (☞ page 63, 64).
This can be set individually for the separate surround mode other than PURE DIRECT, DIRECT and Home THX Cinema mode.

■ Dialogue Normalization

Dialogue Normalization (Dial Norm) is a feature of Dolby Digital, which is used to keep the programs at the same average listening level so the user does not have to change the volume control between Dolby Digital programs. When playing back software which has been encoded in Dolby Digital, sometimes you may see a brief message in the front panel display which will read "Dial Norm X dB" (X being a numeric value). The display is showing how the program level relates with THX calibration level. If you want to play the program at calibrated theatrical levels, you may wish to adjust the volume. For example, if you see the following message: "Dial Norm + 4 dB" in the front panel display, to keep the overall output level at THX calibrated loudness, just turn down the volume control by 4 dB. However, unlike a movie theater where the playback loudness is preset, you can choose your preferred volume setting for best enjoyment.

Display

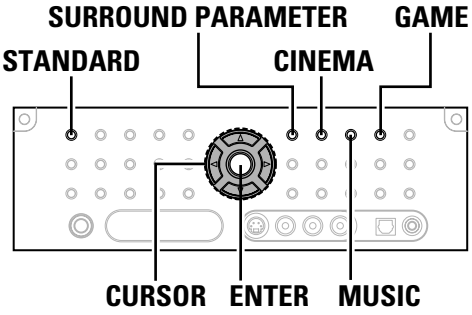


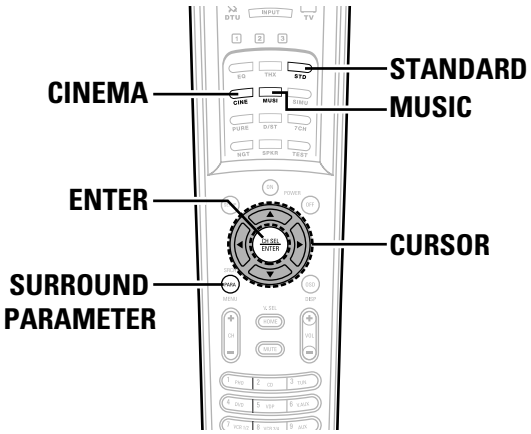
Night mode

When listening at night or at lower volumes, the night mode improves listenability.

Press the NIGHT button on the remote control unit to enter the night mode.

- Canceling night mode:
  Press the **NIGHT** button again.
- The night mode only works when playing program sources recorded in Dolby Digital.
- When the night mode is set to "ON", the "D.COMP" surround parameter can not be selected.





Dolby Pro Logic IIx (Pro Logic II) mode

- To play in the PLIIx mode, set "Sp.Back" at the Speaker Configuration setting to "1spkr" or "2spkrs".
- To play in the PLIIx mode, set "Surround Back" at the Power Amp Assign setting.
- This mode is optimal for playing program sources recorded in Dolby Surround.

1 Press the STANDARD button to select "Dolby Pro Logic IIx" mode.

- The Dolby Pro Logic indicator lights.

※ The mode switches as shown below each time the **STANDARD** button is pressed.

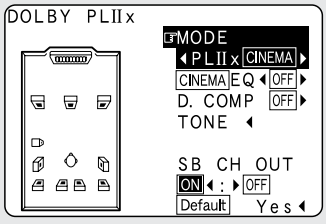
DOLBY PLIIx ⟷ DTS NEO:6

2 Play a program source.

※ For operating instructions, refer to the manuals of the respective components.

3 Press the SURROUND PARAMETER button.

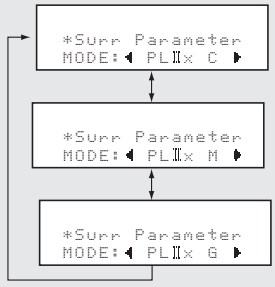
- The surround parameter menu appears.



4 Press the CURSOR ◁ or ▷ button to select the play mode.

※ When the "SB CH OUT" parameter is set to "ON". (Set "SP.Back" at the System Setup to "1spkr" or "2spkrs").

Display



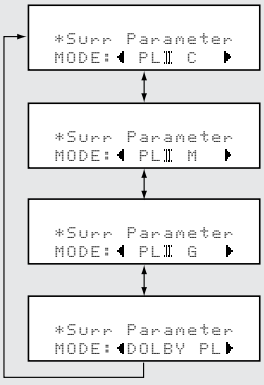
(Pro Logic IIx Cinema mode)

(Pro Logic IIx Music mode)

(Pro Logic IIx Game mode)

※ When the "SB CH OUT" parameter is set to "OFF". (Set "SP.Back" at the System Setup to "None").

Display



(Pro Logic II Cinema mode)

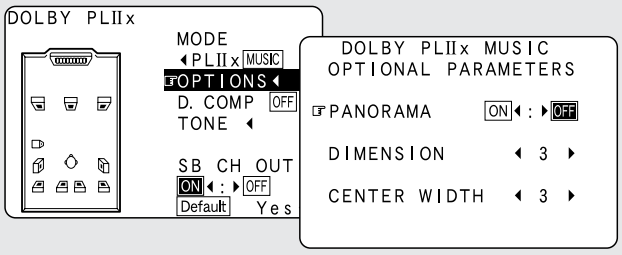
(Pro Logic II Music mode)

(Pro Logic II Game mode)

(Dolby Pro Logic mode)

5 Press the CURSOR △ or ▽ button to select the various surround parameters.

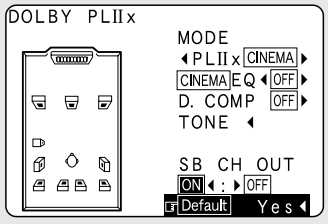
Example: DOLBY PLⅡx Music mode screen



※ When set with the on screen display while in the MUSIC mode, set the "☞" mark to "OPTIONS ◀" pressing the **CURSOR** △ or ▽ button, then press the **CURSOR** ◁ button.
Press the **ENTER** button to return to the previous screen.

6 Press the CURSOR ◁ or ▷ button to adjust the parameters setting.

※ **Default setting:**
Press the CURSOR ◁ button to select "Default Yes ◀", then parameters set to default setting.



7 Press the ENTER or SURROUND PARAMETER button to complete the setting.

- The Dolby Pro Logic Ⅱx (Pro Logic Ⅱ) Cinema, Music or Game mode can be chosen directly by pressing the **CINEMA**, **MUSIC** or **GAME** button during playback in the Dolby Pro Logic Ⅱx (Pro Logic Ⅱ) mode.

■ Surround parameters ④

Pro Logic Ⅱx and Pro Logic Ⅱ Mode:

Select one of the modes ("Cinema", "Music", "Pro Logic" or "Game").
The Cinema mode is for use with stereo television shows and all programs encoded in Dolby Surround.
The Music mode is recommended for stereo music and surround-encoded stereo music sources.
The Pro Logic mode emulates Dolby Laboratories' original Dolby Pro Logic surround decoding, and may provide better results with older, legacy surround-encoded program material.
The Game mode is optimized for computer and/or dedicated game box consoles, that feature stereo analog or digital outputs. It can only be used with 2 channel stereo sources.

PANORAMA:

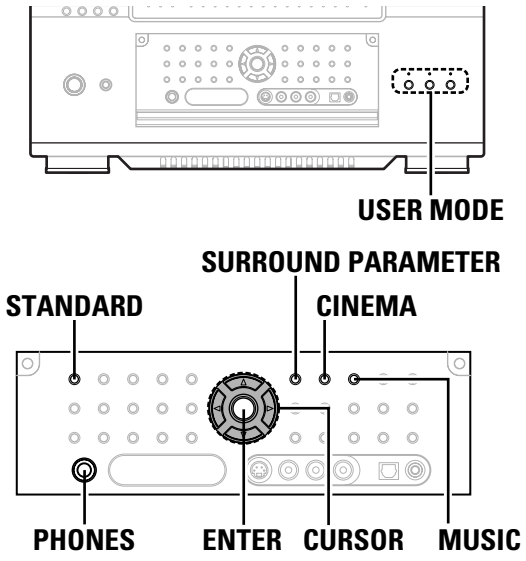
This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.
Select "OFF" or "ON".

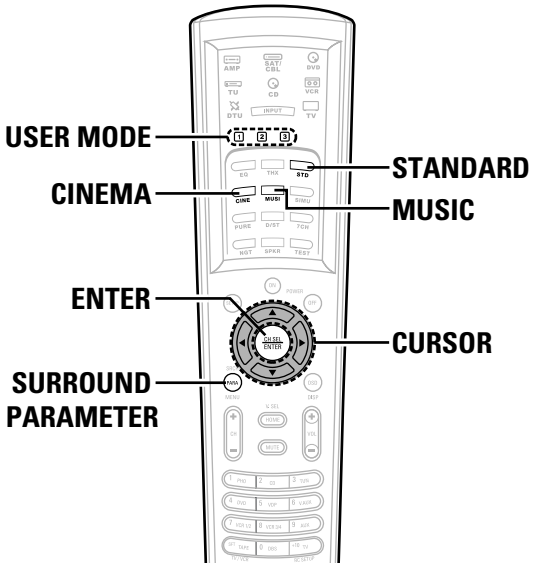
DIMENSION:

This control gradually adjust the soundfield either towards the front or towards the rear.
The control can be set in 7 steps from 0 to 6.

CENTER WIDTH:

This control adjust the center image so it may be heard only from the center speaker; only from the left/right speakers as a phantom image; or from all three front speakers to varying degrees.
The control can be set in 8 steps from 0 to 7.





DTS NEO:6 mode

- Surround playback can be performed for the analog input and digital input 2 channel signals.

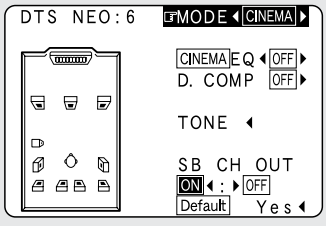
1 **Press the STANDARD button to select "DTS NEO:6" mode.**
- The DTS NEO:6 indicator lights.

※ The mode switches as shown below each time the **STANDARD** button is pressed.

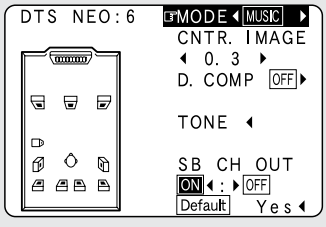
DOLBY PLIIx ⟷ DTS NEO:6

2 **Play a program source.**

3 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.



4 **Press the CURSOR ◁ or ▷ button to select the play mode.**



5 **Press the CURSOR △ or ▽ button to select the various surround parameters.**

6 **Press the CURSOR ◁ or ▷ button to adjust the parameters setting.**

7 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

- Select "Default Yes" and press **CURSOR** ◁ button to reset all the settings.
- When playing PCM digital signals or analog signals in the DOLBY PRO LOGIC Ⅱ, DOLBY PRO LOGIC Ⅱx, DTS NEO:6 modes and the input signal switches to a digital signal encoded in Dolby Digital, the Dolby Surround mode switches automatically. When the input signal switches to a DTS signal, the mode automatically switches to DTS Surround.
- The DTS NEO:6 Cinema or Music mode can be chosen directly by pressing the CINEMA or MUSIC button on the Remote control unit during playback in the DTS NEO:6 mode.

■ Surround parameters ⑤

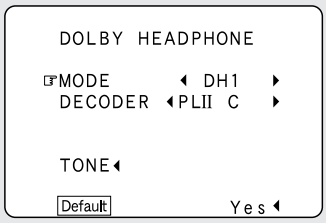
DTS NEO:6 Mode:
- **Cinema:**
  This mode is optimum for playing movies. Decoding is performed with emphasis on separation performance to achieve the same atmosphere with 2 channel sources as with 6.1 channel sources.
  This mode is effective for playing sources recorded in conventional surround formats as well, because the in-phase component is assigned mainly to the center channel (C) and the reversed phase component to the surround (SL, SR and SB channels).
- **Music:**
  This mode is suited mainly for playing music. The front channel (FL and FR) signals bypass the decoder and are played directly so there is no loss of sound quality, and the effect of the surround signals output from the center (C) and surround (SL, SR and SB) channels add a natural sense of expansion to the sound field.

CENTER IMAGE (0.0 to 1.0: default 0.3):
The center image parameter for adjusting the expansion of the center channel in the DTS NEO:6 MUSIC mode has been added.

The Dolby Headphone

- The Dolby Headphone mode is set when headphones are connected to the **PHONES** jack while in the STANDARD (DOLBY/DTS SURROUND) mode.

1 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.



2 **Press the CURSOR △ or ▽ button to select the parameter.**

3 **Press the CURSOR ◁ or ▷ button to select the setting.**

4 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

- When RECOUT mode is set to "SOURCE", with this amplifier signals encoded in the Dolby Headphone mode can be output from the recording output terminals and recorded on another recorder (☞ page 101).

■ Parameters

MODE:
- **DH1:**
  Reference room (small room with weak reverberations).
- **DH2:**
  Live room (room with a bit stronger reverberations than DH1).
- **DH3:**
  Large room (larger room than DH1, offers a sense of distance and sound diffusion effects).
- **BYPASS:**
  Stereo sound.

DECODER:

Select this when playing analog, PCM or other 2 channel sources.

The signals are converted into multichannel signals using the decoders shown below and played in the Dolby Headphone mode.
- **PLII C:**
  Dolby Pro Logic II Cinema mode.
- **PLII M**
  Dolby Pro Logic II Music mode.
- **NEO:6 C:**
  DTS NEO:6 Cinema mode.
- **NEO:6 M:**
  DTS NEO:6 Music mode.
- **OFF:**
  The signals are played in the Dolby Headphone mode as such (2 channels).

USER MODE function

- The AVR-5805CI is equipped with a function for storing the selected input source, the auto surround mode and input mode in the memory and selecting these settings when you want to use them.
- Three patterns of settings can be stored in the memory pressing the **USER MODE** buttons.

■ Storing the settings in the memory

1 **The following are stored in the memory:**
① Currently set input source
② Currently set auto surround mode
③ Currently set input mode

2 **Press and hold the USER MODE button until the " USER MODE" indicator lights.**

■ Calling the settings out

Press the USER MODE button at which the settings you want to call out are stored.
- The user mode indicator lights.

※ The indicator turns off if you perform any operations that change the settings stored at the **USER MODE** buttons.

DENON original surround modes

- The AVR-5805CI is equipped with a high performance DSP (Digital Signal Processor) which uses digital signal processing to synthetically recreate the sound field. One of ten preset surround modes can be selected according to the program source and the parameters can be adjusted according to the conditions in the listening room to achieve a more realistic, powerful sound.

Surround modes and their features

1	**WIDE SCREEN**	Select this to achieve an atmosphere like that of a movie theater with a large screen. In this mode, all signal sources are played in the 7.1 channel mode, including Dolby Surround and Dolby Digital 5.1 channel sources. Effects simulating the multi surround speakers of movie theaters are added to the surround channels.
2	**SUPER STADIUM**	Select this when watching baseball or soccer programs to achieve a sound as if you were actually at the stadium. This mode provides the longest reverberation signals.
3	**ROCK ARENA**	Use this mode to achieve the feeling of a live concert in an arena with reflected sounds coming from all directions.
4	**JAZZ CLUB**	This mode creates the sound field of a live house with a low ceiling and hard walls. This mode gives jazz a very vivid realism.
5	**CLASSIC CONCERT**	Select this for the sound of a concert hall rich in reverberations.
6	**MONO MOVIE (NOTE)**	Select this when watching monaural movies for a greater sense of expansion.
7	**VIDEO GAME**	Use this to enjoy video game sources.
8	**MATRIX**	Select this to emphasize the sense of expansion for music sources recorded in stereo. Signals consisting of the difference component of the input signals (the component that provides the sense of expansion) processed for delay are output from the surround channel.
9	**VIRTUAL**	Select this mode to enjoy a virtual sound field, produced from the front 2 channel speakers. ※ This mode can be selected when surround playback is being performed in ZONE2.
10	**9CH STEREO**	The front left channel signals are output to the surround and surround back signal left channels, the front right channel signals are output to the surround and surround back signal right channels, and the in-phase component of the left and right channels is output to the center channel. Use this mode to enjoy stereo sound.

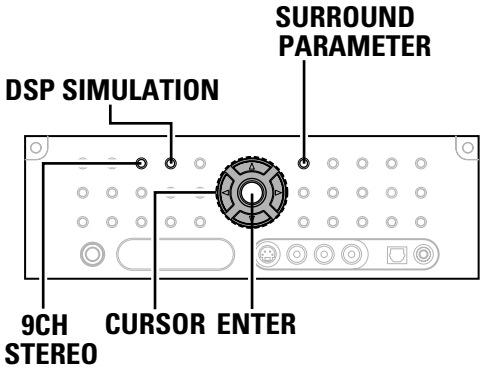
※ Depending on the program source being played, the effect may not be very noticeable.
In this case, try other surround modes, without worrying about their names, to create a sound field suited to your tastes.

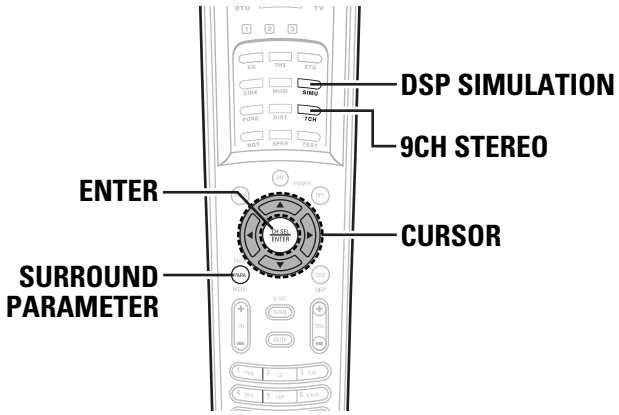
NOTE: When playing sources recorded in monaural, the sound will be one-sided if signals are only input to one channel (left or right), so input signals to both channels. If you have a source component with only one audio output (monophonic camcorder, etc.) obtain a "Y" adaptor cable to split the mono output to two outputs, and connect to the L and R inputs.

■ Personal Memory Plus

This set is equipped with a personal memorize function that automatically memorizes the surround modes and input modes selected for the input different sources. When the input source is switched, the modes set for that source last time it was used are automatically recalled.

※ The surround parameters, tone control settings and playback level balance for the different output channels are memorized for each surround mode.

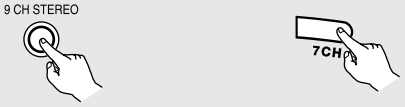




DSP surround simulation

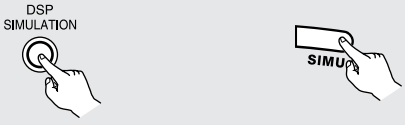
1 **Select the surround mode for each input channel.**

Example: 9CH STEREO mode



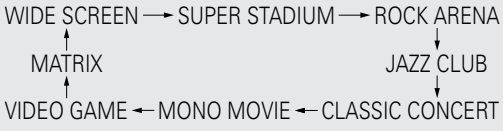
(Main unit) (Remote control unit)

Example: DSP surround simulation mode



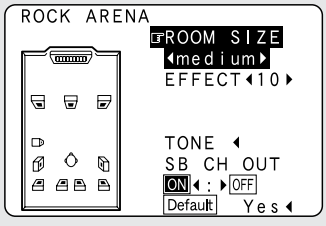
(Main unit) (Remote control unit)

※ The surround mode switches in the following order each time the **DSP SIMULATION** button is pressed:



2 **Press the SURROUND PARAMETER button.**

• The surround parameter menu appears.



※ The screen for the selected surround mode appears.

3 **Press the CURSOR △ or ▽ button to select the various surround parameters.**

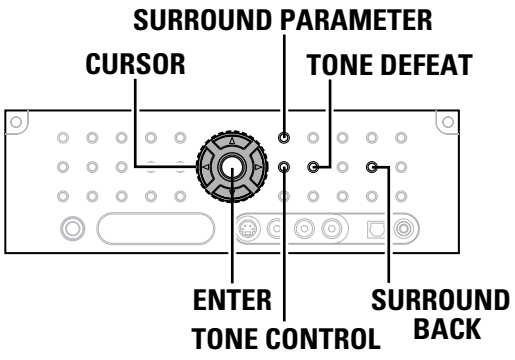
4 **Press the CURSOR ◁ or ▷ button to adjust the parameters setting.**

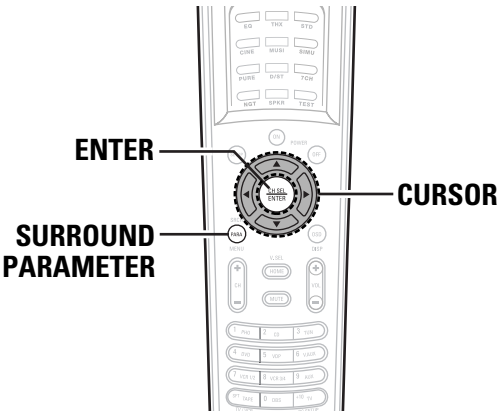
5 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

• The "9CH STEREO" display changes as shown below according to the surround back speaker setting.

SURROUND BACK SPEAKER	SURROUND SPEAKER SETTING	DISPLAY
ON	A + B	9CH STEREO
	A or B	7CH STEREO
OFF	A + B	7CH STEREO
	A or B	5CH STEREO

• Select "Default Yes" and press the **CURSOR** ◁ button to reset all the settings.





■ Surround parameters ⑥

EFFECT:

This parameter turns the effect signals with multi surround mode speaker effects on and off in the WIDE SCREEN mode. When this parameter is turned off, the SBL and SBR channel signals are equivalent to the SL and SR channels, respectively.

LEVEL:

This parameter sets the strength of the effect signals in the WIDE SCREEN mode. It can be set in 15 steps, from "1" to "15". Set this to a low level if the positioning or phase of the surround signals sounds unnatural.

SB CH OUT:

- **ON:**
  Playback is conducted using the surround back speaker.
- **OFF:**
  Playback is conducted without using the surround back speaker.

※ This operation can be performed directly pressing the **SURROUND BACK** button on the main unit's panel.

ROOM SIZE:

This sets the size of the sound field.
There are five settings: "small", "med.s" (medium-small), "medium", "med.l" (medium-large) and "large". "small" recreates a small sound field, "large" a large sound field.

※ The "ROOM SIZE" expresses the expansion effect for the different surround modes in terms of the size of the sound field, not the actual size of the listening room.

EFFECT LEVEL:

This sets the strength of the surround effect.
The level can be set in 15 steps from 1 to 15. Lower the level if the sound seems distorted.

DELAY TIME:

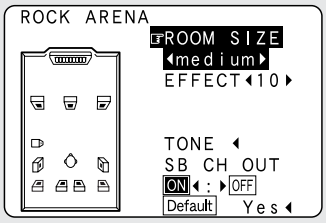
In the matrix mode only, the delay time can be set within the range of 0 to 300 ms.

Tone control setting

- Use the tone control setting to adjust the bass and treble as desired.
- The tone control function will not work in the PURE DIRECT, DIRECT or Home THX Cinema mode.

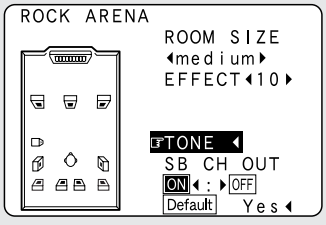
■ Adjusting the tone from the remote control unit

1 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.

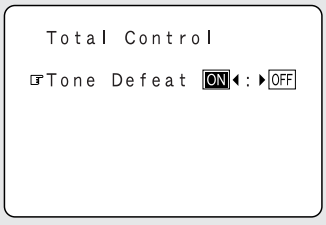


※ The screen selected surround mode appears.

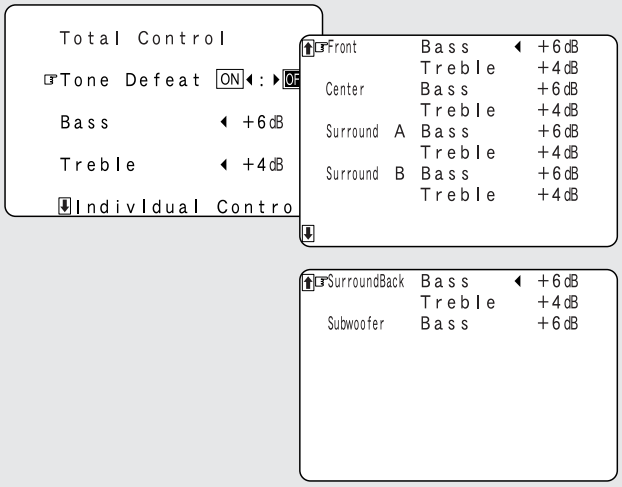
2 **Press the CURSOR △ or ▽ button to select "TONE".**



3 **Press the CURSOR ◁ button.**
- Switch to the "Total Control" screen.



4 **Press the CURSOR ▷ button to select "Tone Defeat OFF".**



5 **Press the CURSOR △ or ▽ button to select "Bass" or "Treble".**

6 **Press the CURSOR ◁ or ▷ button to set the level.**

※ To increase the bass or treble:
The bass or treble sound can be increased to up to +6 dB in steps of 1 dB.
※ To decrease the bass or treble:
The bass or treble sound can be decreased up to –6 dB in steps of 1 dB.

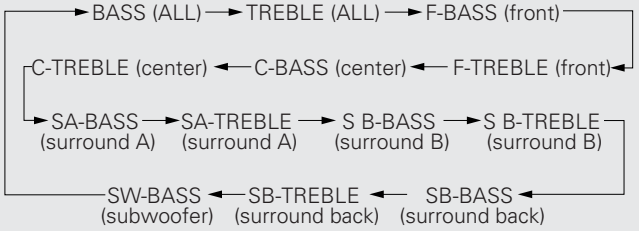
7 **Press the ENTER button.**
• The surround parameter menu reappears.

8 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

■ Adjusting the tone from the main unit

1 **Press the TONE CONTROL button.**

※ The tone switches as follows each time the button is pressed.



2 **Press the CURSOR ◁ or ▷ button to set the level.**

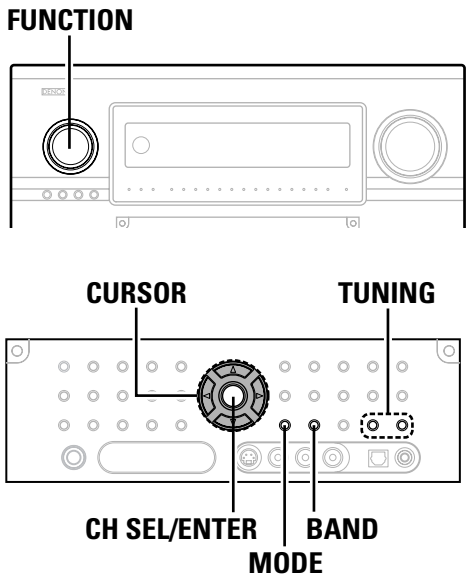
※ To increase the bass or treble:
The bass or treble sound can be increased to up to +6 dB in steps of 1 dB.
※ To decrease the bass or treble:
The bass or treble sound can be decreased up to –6 dB in steps of 1 dB.

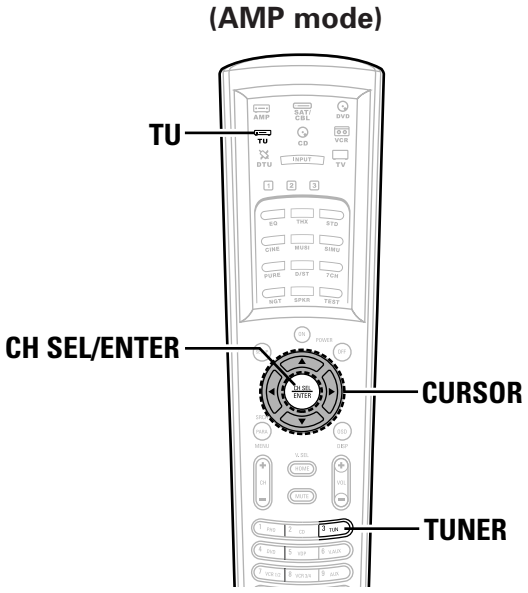
■ Tone defeat mode

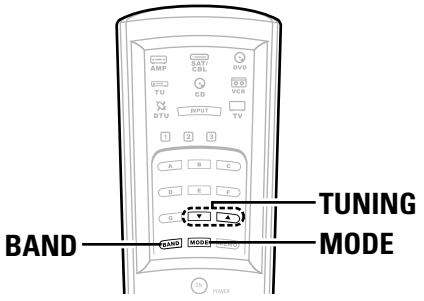
• If you do not want the bass and treble to be adjusted, turn on the tone defeat mode.

Press the TONE DEFEAT button to turn on the "Tone Defeat" mode.

※ The signals do not pass through the bass and treble adjustment circuits, providing higher quality sound.







Channel Level

- You can adjust the channel level either according to the playback sources or to suit your tastes, as described below.

1 Press the CH SEL/ENTER button.

- The "Channel Vol." screen appears.

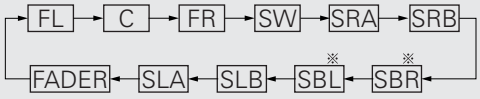
```
        Channel Vol.

FL  ◀   0.0dB▶SR A    0.0dB
C       0.0dB SR B    0.0dB
FR      0.0dB SBR     0.0dB
SW      0.0dB SBL     0.0dB
              SL B    0.0dB
              SL A    0.0dB
              Fader
              FRONT◀:▶REAR
```

※ Channels which is not used are not displayed.

※ When the surround back speaker setting is set to "1spkr" for "Speaker Configuration" (☞ page 140, 141), this is set to "SB".

2 Press the CURSOR △ , ▽ or CH SEL/ENTER button to select the speaker.

※ The channel switches as shown below each time the **CH SEL/ENTER** button is pressed.



3 Press the CURSOR ◁ or ▷ button to adjust the level.

※ The adjustment range for the different channels is +12.0 dB to –12.0 dB in step of 0.5 dB.

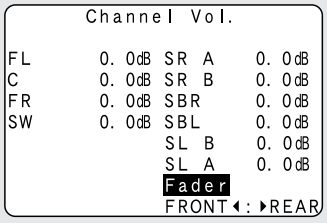
※ The sound from the subwoofer can be completely cut by lowering the SW (subwoofer) setting one additional from –12.0 dB (setting it to "OFF").

Fader function

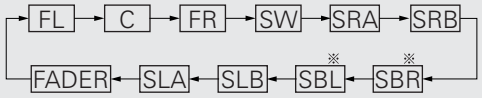
- This function makes it possible to lower the volume of the front channels (FL, C and FR) or the rear channels (SL, SR, SBL and SBR) together. Use it for example to adjust the balance of the sound from each position when multi-channel music sources are played.

1 **Press the CH SEL/ENTER button.**
- The "Channel Vol." screen appears.

2 **Press the CURSOR △ , ▽ or CH SEL/ENTER button then select "Fader".**

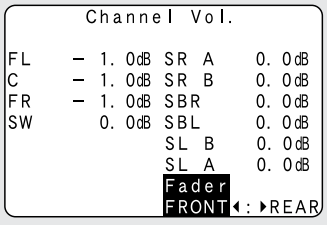


※ The channel switches in the order shown below each time the **CH SEL/ENTER** button is pressed.



3 **Press the CURSOR ◁ button to reduce the volume of the front channels, the CURSOR ▷ button to reduce the volume of the rear channels.**

Example: When "FRONT" is selected



※ The fader function does not affect the subwoofer channel.

- The channel whose channel level is adjusted lowest can be faded to –12.0 dB using the fader function.
- If the channel levels are adjusted separately after adjusting the fader, the fader adjustment values are cleared, so adjust the fader again.

Listening to the Radio

- Check that the remote control unit is set to AMP or TUNER.

Auto tuning

1 **Set the input source to "TUNER".**

(Main unit)

(Remote control unit in the AMP mode)

2 **Press the TU (TUNER) button to select the TUNER mode.**

(Remote control unit)

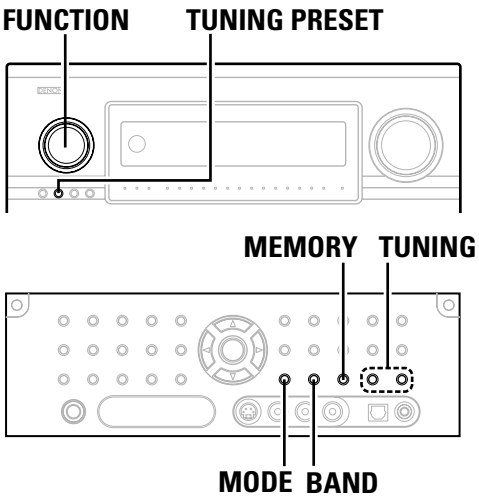
3 **Watching the display, press the BAND button to select the desired band (AM, FM or XM).**

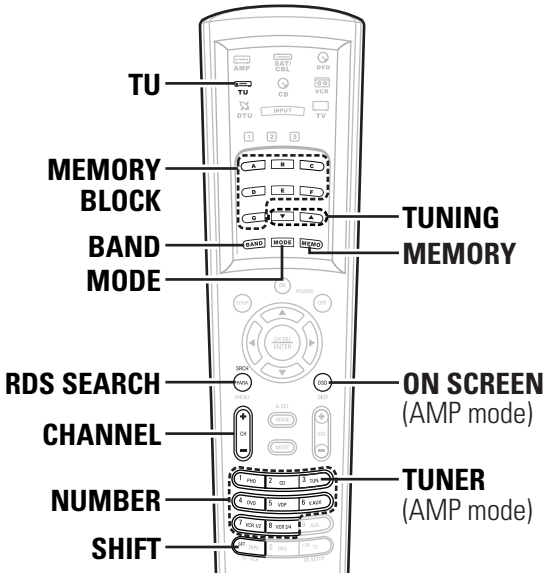
※ When listening to the XM satellite Radio (☞ page 71).

4 **Press the MODE button to set the auto tuning mode.**
- The "AUTO" indicator lights.

5 **Press the TUNING button.**
- Automatic searching begins, then stops when a station is tuned in.

- If tuning does not stop at the desired station, use to the "Manual tuning" operation.
- When in the auto tuning mode on the FM band, the "STEREO" indicator lights on the display when a stereo broadcast is tuned in. At open frequencies, the noise is muted and the "TUNED" and "STEREO" indicators turn off.

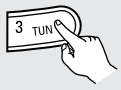




Manual tuning

1 **Set the input source to "TUNER".**

(Main unit)



(Remote control unit in the AMP mode)

2 **Press the TU (TUNER) button to select the TUNER mode.**

(Remote control unit)

3 **Watching the display, press the BAND button to select the desired band (AM, FM or XM).**

※ When listening to the XM satellite Radio (☞ page 71).

4 **Press the MODE button to set the manual tuning mode.**

※ Check that the display's "AUTO" indicator turns off.

5 **Press the TUNING button to tune in the desired station.**

※ The frequency changes continuously when the button is held in.

- When the manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator turns off.

Preset memory

1 **Use the "Auto tuning" or "Manual tuning" operation to tune in the station to be preset in the memory.**

2 **Press the TU (TUNER) button to select the TUNER mode.**

(Remote control unit)

3 **Press the MEMORY button.**

4 **Press the MEMORY BLOCK (A to G) button.**

※ The memory block can also be selected by pressing the **SHIFT** button.

5 **Press the CHANNEL button or NUMBER (1 to 8) button to select the desired preset channel.**

6 **Press the MEMORY button again.**

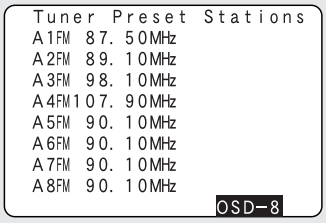
- Store the station in the preset memory.

- To preset other channels, repeat steps 2 to 5.
  A total of 56 broadcast stations can be preset — 8 stations (channels 1 to 8) in each of blocks A to G.

Checking the preset stations

- The preset (broadcast) stations can be checked on the on screen display.

Press the ON SCREEN button (in the AMP mode) repeatedly until the "Tuner Preset Stations" screen appears on the on screen display.



Recalling preset stations

■ Recalling preset stations from the remote control unit

1 Press the **MEMORY BLOCK** (**A** to **G**) button to select the memory block (A to G).

2 Watching the display, press the **CHANNEL** button or **NUMBER** (**1** to **8**) button to select the desired preset channel.

■ Recalling preset stations from the main unit's panel

1 Press the **TUNING PRESET** button.

2 Turn the **FUNCTION** knob and select the desired preset channel.

RDS (Radio Data System)

- RDS (works only on the FM band) is a broadcasting service which allows station to send additional information along with the regular radio program signal.
- The following three types of RDS information can be received on this unit:

NOTE:
- The operations described below pressing the **RDS SEARCH** button will not function in areas in which there are no RDS broadcasts.

■ Program Type (PTY)

- PTY identifies the type of RDS program.
- The program types and their displays are as follows:

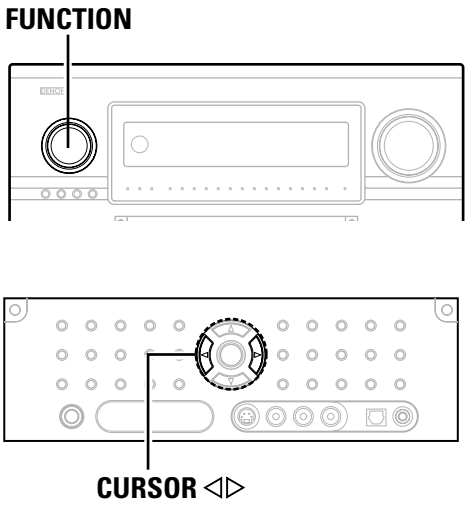
NEWS	News	**NOSTALGA**	Nostalgia
INFORM	Information	**JAZZ**	Jazz
SPORTS	Sports	**CLASSICL**	Classical
TALK	Talk	**R & B**	R & B
ROCK	Rock	**SOFT R&B**	Soft R&B
CLS ROCK	Classic rock	**LANGUAGE**	Language
ADLT HIT	Adult hits	**REL MUSC**	Religious music
SOFT RCK	Soft rock	**REL TALK**	Religious talk
TOP 40	Top 40	**PERSNLTY**	Personality
COUNTRY	Country	**PUBLIC**	Public
OLDIES	Oldies	**COLLEGE**	College
SOFT	Soft	**WEATHER**	Weather

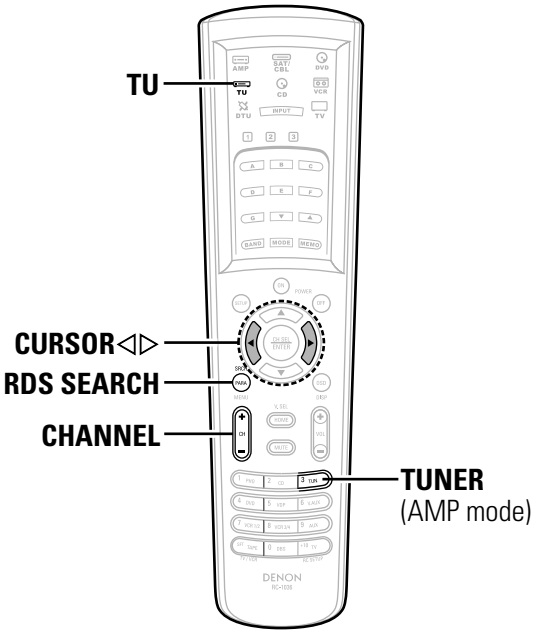
■ Traffic Program (TP)

- TP identifies programs that carry traffic announcements.
- This allows you to easily find out the latest traffic conditions in your area before you leaving home.

■ Radio Text (RT)

- RT allows the RDS station to send text messages that appear on the display.



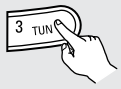


RDS search

- Use this function to automatically tune to FM stations that provide RDS service.

1 Set the input source to "TUNER".

(Main unit)



(Remote control unit in the AMP mode)

2 Press the TU (TUNER) button to select the TUNER mode.

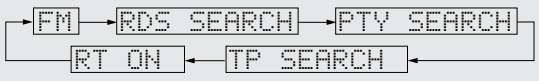
(Remote control unit)

3 Press the RDS SEARCH button until "RDS SEARCH" appears on the display.

```
[ R D S ]
New tuning system for
   your convenience!
1 Push [RDS][Search]
  [RDS]-RDS station
   [PTY]-Program category
   [TP] -Traffic info.
   [RT] -Radio Text
2 Tune by preset [Up][Down]
CHB5 FM105.50MHz
```

※ The main unit's display switches as follows each time the **RDS SEARCH** button is pressed.

Display



4 Press the CHANNEL button.

- Automatically begin the RDS search operation.

```
[ R D S ]          [Search]
New tuning system for
   your convenience!
1 Push [RDS][Search]
  [RDS]-RDS station
   [PTY]-Program category
   [TP] -Traffic info.
   [RT] -Radio Text
2 Tune by preset [Up][Down]
```

※ If no RDS stations is found with above operation, all the reception band are searched.

※ When a broadcast station is found, that station's name appears on the display.

5 To continue searching, repeat step 3.

※ If no other RDS station is found when all the frequencies are searched, "NO RDS" is displayed.

```
[ R D S ]
New tuning system for
   your convenience!
1 Push [RDS][Search]-NO RDS-
  [RDS]-RDS station
   [PTY]-Program category
   [TP] -Traffic info.
   [RT] -Radio Text
2 Tune by preset [Up][Down]
CHB5 FM105.50MHz
```

PTY search

- Use this function to find RDS stations broadcasting a designated program type (PTY).
- For a description of each program type, refer to "Program Type (PTY)".

1 Set the input source to "TUNER".

(Main unit)

(Remote control unit in the AMP mode)

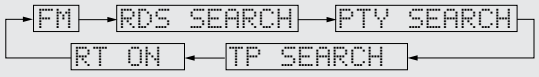
2 Press the TU (TUNER) button to select the TUNER mode.

(Remote control unit)

3 Press the RDS SEARCH button until "PTY SEARCH" appears on the display.

※ The main unit's display switches as follows each time the **RDS SEARCH** button is pressed.

Display



4 Watching the display, press the CURSOR ◁ or ▷ button to call out the desired program type.

5 Press the CHANNEL button.

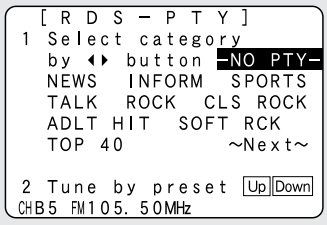
- Automatically begin the PTY search operation.

※ If there is no station broadcasting the designated program type with above operation, all the reception bands are searched.

※ The station name is displayed on the display after searching stops.

6 To continue searching, repeat step 3.

※ If no other station broadcasting the designated program type is found when all the frequencies are searched, "NO PROGRAMME" is displayed.

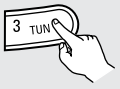


TP search

- Use this function to find RDS SEARCH stations broadcasting traffic program (TP stations).

1 Set the input source to "TUNER".

(Main unit)

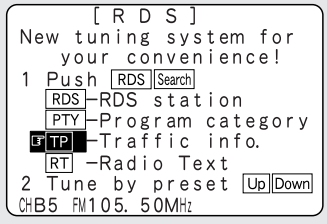


(Remote control unit in the AMP mode)

2 Press the TU (TUNER) button to select the TUNER mode.

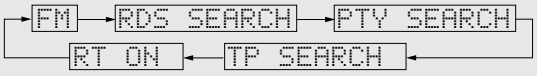
(Remote control unit)

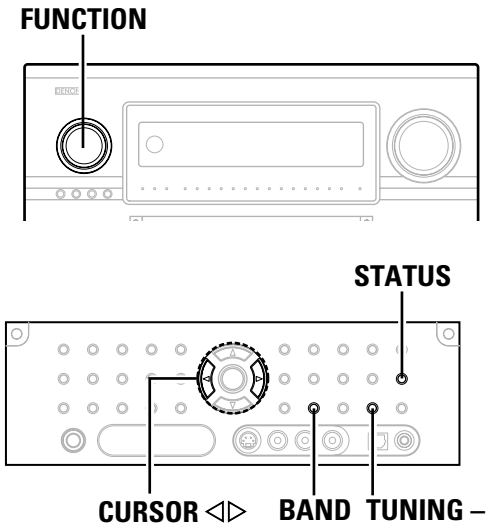
3 Press the RDS SEARCH button until "TP SEARCH" appears on the display.

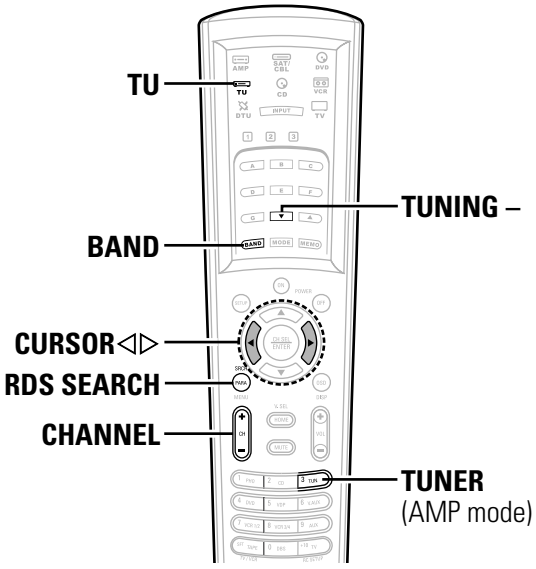


※ The main unit's display switches as follows each time the **RDS SEARCH** button is pressed.

Display

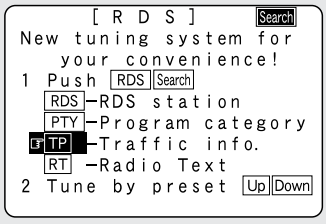






4 **Press the CHANNEL button.**

• Automatically begin the TP search operation.

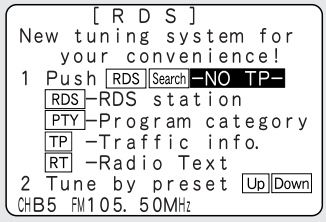


※ If no TP station is found with above operation, all the reception bands are searched.

※ The station name is displayed on the display after searching stops.

5 **To continue searching, repeat step 3.**

※ If no other TP station is found when all the frequencies are searched, "NO PROGRAMME" is displayed.



RT (Radio Text)

• "RT" appears on the display when radio text data is received.

1 **Set the input source to "TUNER".**

(Main unit)

(Remote control unit in the AMP mode)

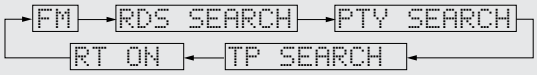
2 **Press the TU (TUNER) button to select the TUNER mode.**

(Remote control unit)

3 **Press the RDS SEARCH button until "RT ON" appears on the display.**

※ The main unit's display switches as follows each time the **RDS SEARCH** button is pressed.

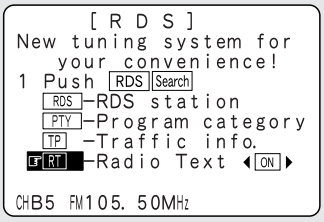
Display



※ While receiving an RDS broadcast station, the text data broadcast from the station is displayed.

※ To turn the display off, press the **CURSOR** ◁ or ▷ button.

※ If no text data is being broadcast, "NO TEXT DATA" is displayed.



XM Satellite Radio

■ ABOUT XM SATELLITE RADIO

XM Satellite Radio offers an extraordinary variety of commercial-free music, plus the best in sports, news, talk and entertainment. XM is broadcast in superior digital audio from coast to coast. From rock to reggae, from classical to hip hop, XM has something for every music fan. XM's dedication to playing the richest selection of music is matched by its passion for live sporting events, talk radio, up-to-the-minute news, stand-up comedy, children's programming, and much more. For U.S. customers, information about XM Satellite Radio is available online at www.xmradio.com. For Canadian customers, information about XM Canada is online at www.xmradio.ca.

■ XM READY® LEGAL

Hardware and required monthly subscription sold separately. Other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Channels with frequent explicit language are indicated with an XL. Channel blocking is available for XM radio receivers by calling 1-800-XMRADIO (US residents) and 1-877-GET-XMSR (Canadian residents).

For a full listing of the XM commercial-free channels and advertising-supported channels, visit lineup.xmradio.com (US residents) or xmradio.ca (Canadian residents).

Subscriptions subject to Customer Agreement available at xmradio.com (US residents) and xmradio.ca (Canadian residents). Only available in the 48 contiguous United States and Canada. ©2006 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.

■ XM READY® SUBSCRIPTIONS

Once you have installed the XM Mini-Tuner Dock, inserted the XM Mini-Tuner, connected the XM Dock to your XM Ready® home audio system, and installed the antenna, you are ready to subscribe and begin receiving XM programming. There are three places to find your eight character XM Radio ID: on the XM Mini-Tuner, on the XM Mini-Tuner package, and on XM Channel 0. Record the Radio ID in the following eight squares for reference.

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Note: The XM Radio ID does not use the letters "I", "O", "S" or "F". Activate your XM Satellite Radio service in the U.S. online at http://activate.xmradio.com or call 1-800-XM-RADIO (1-800-967-2346). You will need a major credit card. XM will send a signal from the satellites to activate the full channel lineup. Activation normally takes 10 to 15 minutes, but during peak busy periods you may need to keep your XM Ready home audio system on for up to an hour. When you can access the full channel lineup on your XM Ready home audio system you are done. For more information or to subscribe in Canada, visit XM on the Web at www.xmradio.ca or call XM's Listener Care at 1-877-GET-XMSR (1-877-438-9677).

Checking the XM signal strength and Radio ID

1 Set the input source to "TUNER".

(Main unit)

(Remote control unit in the AMP mode)

2 Press the TU (TUNER) button to select the TUNER mode.

3 Watching the display, press the BAND button to select the XM mode.

4 Press the STATUS button on the main unit until "SIGNAL" is displayed.

- The display changes as shown below according to the receiving condition.

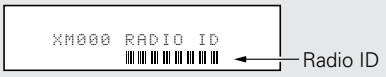
Display	Condition
GOOD	Signal strength is good
MARGINAL	Signal strength is marginal
WEAK	Signal strength is poor
NO	Loss of the signal

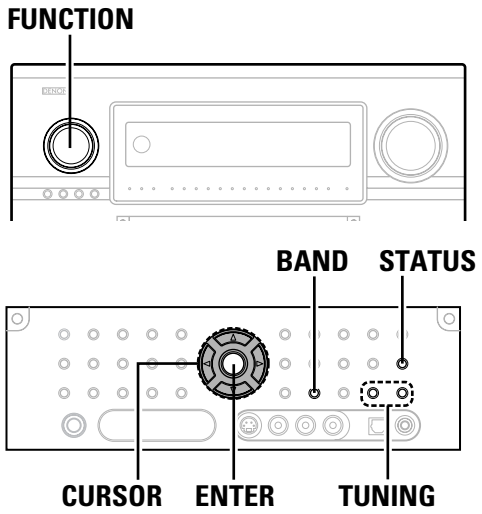
5 Adjust the antenna location until "SIGNAL:GOOD" is displayed.

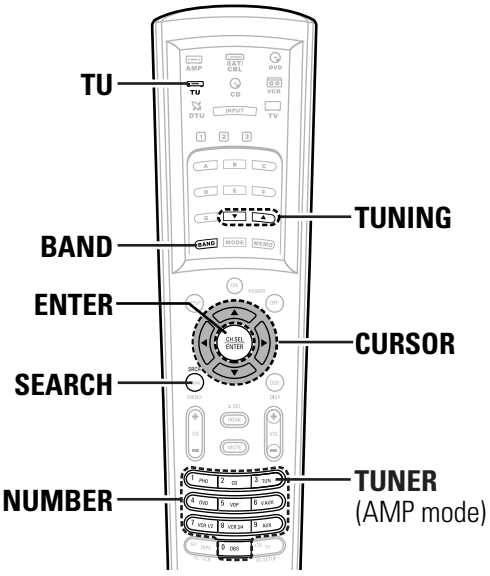
6 Press the STATUS button until the XM channel (ex.XM001) is displayed.

7 Press the TUNING – button to select channel 0 (XM000).

- The Radio ID is displayed.

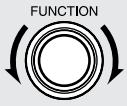




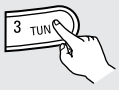


Channel selection

1 **Set the input source to "TUNER".**



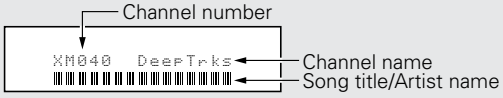
(Main unit)



(Remote control unit in the AMP mode)

2 **Press the TU (TUNER) button to select the TUNER mode.**

3 **Watching the display, press the BAND button to select the XM mode.**



4 **Press the TUNING button to reach the desired channel.**

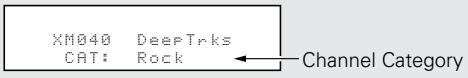
※ The channel changes continuously when you press and hold the **TUNING** button.

※ When the artist name and song title are received, they are displayed.

Category search

1 **Press the CURSOR ◁ or ▷ button in the XM mode.**

• The current category name is displayed.



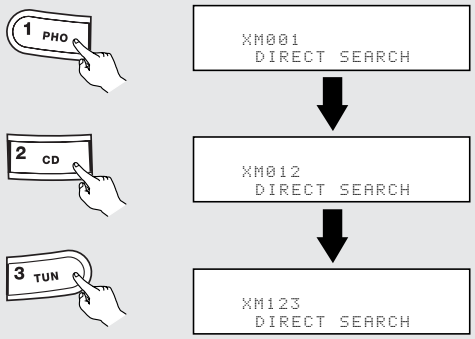
2 **Press the CURSOR ◁ or ▷ button to select the category, and press the CURSOR △ or ▽ button to select the channel within the selected category.**

Direct access of channels

1 **Press the SEARCH button in the XM mode.**

2 **Press the NUMBER buttons to enter the desired channel.**

※ For example, if you want to access channel 123 (ex.XM123) press the **NUMBER** buttons as shown below.

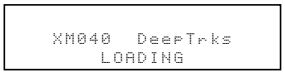


(Remote control unit)

3 **Once all number have been input, press the ENTER button to change the channel.**

※ If the next **NUMBER** button is not pressed within several seconds, the channel automatically switches to the channel number that was input.

- "LOADING" is displayed while receiving the channel or information.



- "UPDATING" is displayed while updating encryption code.

- When the selected channel is not available, "XM– – –" is displayed.

- Information on the artist name, song title, category and signal level can be checked using the **STATUS** button on the main unit.
- The XM Satellite Radio channels can be preset in the same way as AM/FM band.
  Please refer to "Preset memory" and "Recalling preset stations" (☞ page 66, 67).

Using the Network Audio Function

• The AVR-5805CI can be connected to a network by cable to listen to Internet radio or music files stored on computers.

Internet radio function

Internet radio refers to radio programs broadcast over the Internet.
There are many stations throughout the world broadcasting Internet radio programs. These stations are of all sizes and types, some run by individuals, others by ground wave broadcast stations.
While ground wave radio stations can only be listened to within the range in which the waves reach, Internet radio can be listened to anywhere in the world.
The AVR-5805CI is equipped with the following Internet radio functions:

- Stations can be selected by genre and region.
- Up to 56 Internet radio stations can be preset.
- MP3 format Internet radio programs can be listened to.
- Your favorite radio stations can be registered by accessing the exclusive DENON Internet radio URL using a computer's browser. (The AV amplifier automatically downloads the registration settings (approximately once every other day)) (This is managed separately for each unit, so a MAC address or e-mail address must be registered.) (☞ page 139)

  ※ Exclusive URL : http://www.radiodenon.com
  (accessible after connection to an Internet radio station.)

■ vTuner

The AVR-5805CI's Internet radio station list uses "vTuner", a radio station database service. This database service is edited and prepared for the AVR-5805CI.

Music server function

The AVR-5805CI is equipped with a network audio playback function allowing music files stored on a computer to be played via a LAN (Local Area Network).
The AVR-5805CI's network audio playback function connects to servers using the following technologies:

- Windows Media Connect
- Windows Media DRM 10 (for network devices)

System requirements

• The preparations described below must be made in order to use the Internet radio and music server functions.

■ Broadband Internet connection

A broadband connection to the Internet is necessary in order to use the AVR-5805CI's Internet radio function.

NOTE:

• **You must have a contract with an Internet Service Provider (ISP) in order to connect to the Internet.** For instructions on connecting to the Internet, contact your ISP or a computer store.
If you already have a broadband Internet connection there is no need to take out another contract.

■ Modem

A modem is a device for exchanging signals over the Internet using a broadband connection. Some are integrated into routers. For instructions on connecting to the Internet, contact your ISP or a computer store.

■ Router

A router is a device for connecting multiple pieces of equipment (computers, the AVR-5805CI, etc.) to the Internet simultaneously.
When using the AVR-5805CI, we recommend a router equipped with the following functions:

- Built-in DHCP (Dynamic Host Configuration Protocol) server.
  Function for automatically assigning the device's IP address on the LAN.
- Built-in 100BASE-TX switch
  When connecting multiple devices, it is recommended to have a built-in switching hub with a speed of 100 Mbps or greater.

NOTE:

• The type of router that can be used differs for different ISPs. For details, contact your ISP or a computer store.

■ Ethernet cable (CAT-5)

The AVR-5805CI does not come with an Ethernet cable. Purchase one of the required length.
Some flat type Ethernet cables are easily affected by noise. We recommend using a normal type cable.
If the sound is broken in an environment with the electric products subject to much power noise or a noisy network environment, use a shielded type Ethernet cable. This could improve the sound.

■ Personal Computer

Install "Windows Media Connect" on your computer.
The required system for forming a music server is as described below.

1) OS (Operating System):
Windows® XP Service pack2
2) Processor:
Intel PentiumⅢ or AMD processor, etc.
We recommend 1 GHz or greater.
3) RAM:
Min. 128 MB, we recommend 256 MB or greater.
4) Software:
.NET Framework 1.1
5) Internet browser:
Microsoft Internet Explorer 5.01 or later

- LAN port required
- 300 MB or greater free hard disc space required

※ Extra free space is necessary to store music files.
The following table gives an approximate estimate of the required free space.

Format	Bit rate	Per one minute	Per one hour
MP3 / WMA	128 kbps	1 MB	60 MB
	192 kbps	1.5 MB	90 MB
	256 kbps	2 MB	120 MB
	392 kbps	3 MB	180 MB
WAV (LPCM)	1400 kbps	10 MB	600 MB

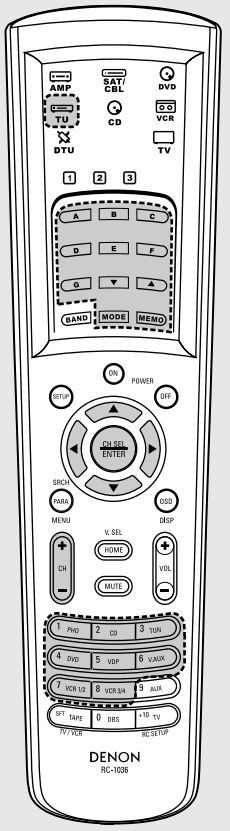
■ Others

- When the contract with your provider is of the type by which the network settings are made manually, you must make the "Network Setup" (☞ page 138, 139).
- The AVR-5805CI is not compatible with PPPoE. If your contract is of the PPPoE setting type, you need a PPPoE-compatible router.
- For some ISPs (Internet Service Providers), you may have to make proxy server settings in order to use the Internet radio function. If proxy server settings for connecting to the Internet have been made on the computer, make the same settings on the AVR-5805CI.
- The AVR-5805CI is designed to make the network settings automatically using the DHCP and Auto IP functions.

- No signals are output to the digital output terminals when playing copyright-protected music files.
- The AVR-5805CI is compatible with "MPEG-1 Audio Layer-3" MP3 files (with sampling frequencies of 32, 44.1 or 48 kHz). It is not compatible with "MPEG-2 Audio Layer-3", "MPEG-2.5 Audio Layer-3", "MP1" or "MP2" files.
- The AVR-5805CI is compatible with bit rates of 32 to 320 kbps for MP3 files and 48 to 192 kbps for WMA files.
- The AVR-5805CI is compatible with WMA files with sampling frequencies of 32, 44.1 or 48 kHz.
- The AVR-5805CI is compatible with MP3 ID3-Tag (Ver.2).
- The AVR-5805CI is compatible with WMA meta tags.
- With the AVR-5805CI, the folder names, file names, etc., can be displayed on the main unit's display and the OSD. Up to 95 characters can be displayed. A ". (period)" is displayed in place of non-compatible characters.

■ TU (Tuner) / DTU (Digital tuner) system buttons

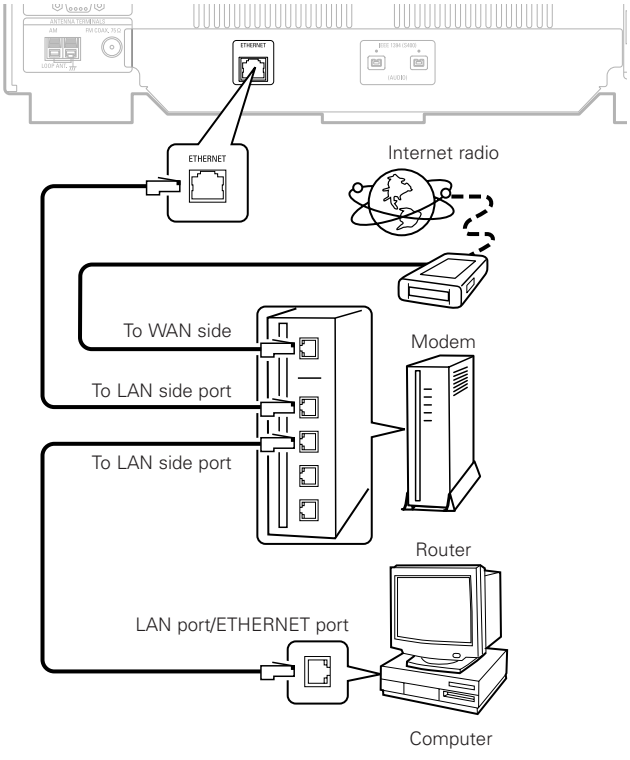
The tuner or digital tuner system buttons shown on the diagram below are used for Network Audio operations.

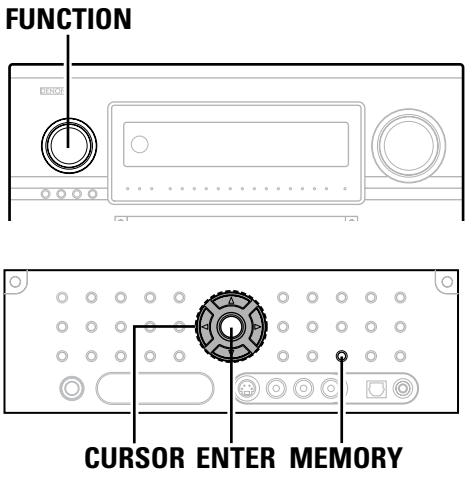


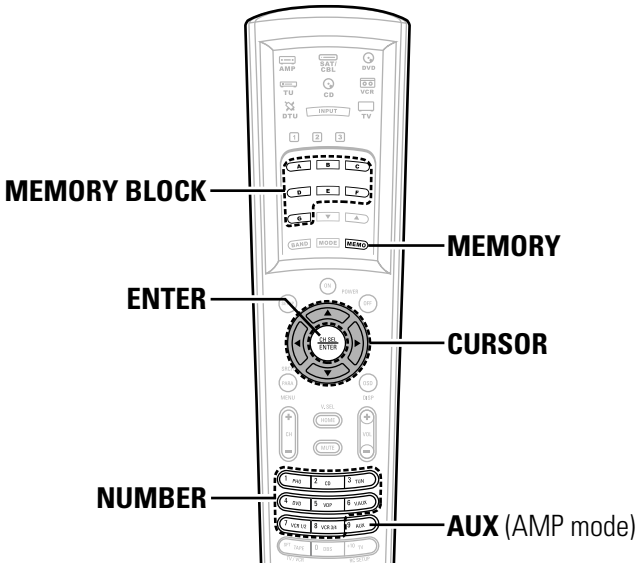
A ~ G	:	Preset memory blocks
▲, ▼	:	Character search
MODE	:	Configuration mode selection
MEMO	:	Preset and favorite registration
▲, ▼, ◄, ►	:	Cursor up, down, left and right
ENTER	:	Enter settings
CH +, –	:	Preset channel selection
1 ~ 8	:	Preset numbers

■ Connections

Connect one side of the Ethernet cable (CAT-5) to the ETHERNET terminal on the AVR-5805CI's rear panel, the other side to the router.







■ **Network settings**

When using a broadband router (DHCP function), the network settings are made automatically, so there is no need to make the settings from the setup menu.

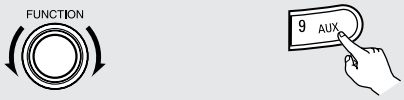
If the broadband router's DHCP function is turned off, make the "Network Setup" (☞ page 138, 139).

Listening to Internet radio

- The required system connections and settings must be made in order to listen to Internet radio.
  "Update?" appears on the display when connecting to an Internet radio station for the first time.

1 **Either turn the FUNCTION knob or press the AUX button to select "NetAudio" (AMP mode).**

- The "Network Audio" menu appears.



(Main unit) (Remote control unit in the AMP mode)

```
Network Audio

☞Favorites
  Internet Radio
```

2 **Press the CURSOR △ or ▽ button to select "Internet Radio", then press the ENTER or CURSOR ▷ button.**

- The initial screen when not connected to the Internet is displayed.

```
  Internet Radio
  not available
☞Update?
  Press Enter
```

3 **Connecting to an Internet radio station for the first time:**
Press the ENTER or CURSOR ▷ button.

- The update screen appears.

```
Manual Update

☞Start Update?
```

4 **Press the ENTER or CURSOR ▷ button once again.**

- The latest list of radio stations is downloaded from the vTuner site. (Several minutes are required for this download.)

5 **Press the CURSOR △ or ▽ button to select the desired setting item, then press the ENTER or CURSOR ▷ button.**

```
Internet Radio

☞Genres
  Countries
  New Stations
  Popular Stations
  Help

        [   1/5   ]
```

※ Finally, the list of Internet radio stations is displayed and those that can be played are indicated by the "∗" mark in front of them.

6 **Press the CURSOR △ or ▽ button to select the desired radio station, then press the ENTER or CURSOR ▷ button.**

- Connection starts, and the station starts playing once the buffer reaches "100%".

※ During playback, press the **ENTER** button once to pause playback, then press **ENTER** button again to resume playback.

※ If the **ENTER** button is pressed and held in for more than two seconds when in the play or pause mode, playback stops and the previous menu window reappears.

- There are many Internet radio stations on the Internet. The programs they broadcast and their bit rates vary widely. Generally, the higher the bit rate, the higher the sound quality, but streamed music or sound may be broken if the communication lines or servers are busy. Inversely, programs with low bit rates have lower sound quality but tend to be more stable.
- "Server Full" or "Connection Down" is displayed if the station is congested or if it is not broadcasting.
- The time for which the on screen display is displayed can be set at "Setting the On Screen Display" (☞ page 115).

Presetting (registering) Internet radio stations

- There are two ways to register stations: by presetting them or by storing them in your favorites.
- Stations that are preset can be tuned in directly from the remote control unit.

1 **Press the MEMORY button while playing the Internet radio station you want to register.**
- The registration menu appears.

2 **Press the CURSOR △ or ▽ button to select "Preset", then press the ENTER or CURSOR ▷ button.**
- The preset registration screen appears.

3 **Press a MEMORY BLOCK (A ~ G) button, then press a NUMBER (1 ~ 8) button to register the station at the desired preset channel.**
- This completes registration.

※ If no button is operated for approximately ten seconds, the regular display reappears.

※ Registered presettings can be checked on the on screen display.
The presettings can only be displayed with the on screen display when the "NetAudio" function is selected.

NOTE:
- Registered presettings are deleted when they are overwritten.

■ Listening to preset Internet radio stations

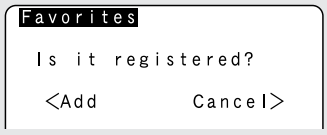
When the "NetAudio" function is selected, press a MEMORY BLOCK (A ~ G) button, then press a NUMBER (1 ~ 8) button.
- The connection is made automatically and playback starts.

Registering Internet radio stations in your favorites

- Your favorites are listed at the top of the menu screen, so registered stations can be tuned in easily.

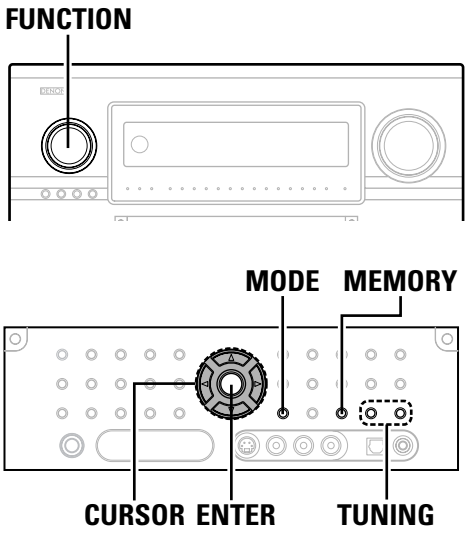
1 **Press the MEMORY button while playing the Internet radio station you want to register.**
- The registration menu appears.

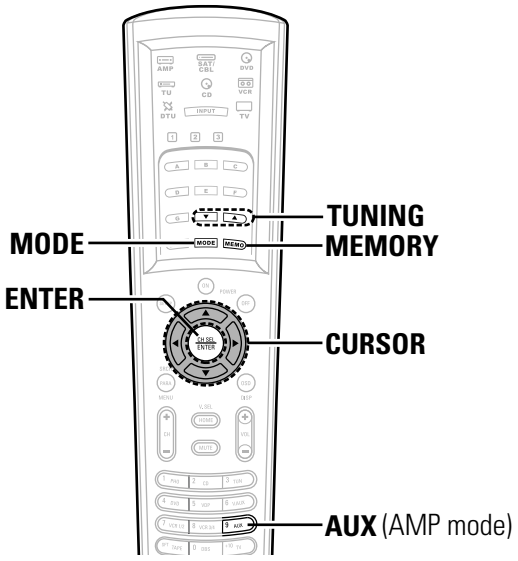
2 **Press the CURSOR △ or ▽ button to select "Favorites", then press the ENTER or CURSOR ▷ button.**
- The favorites registration screen appears.



3 **Press the CURSOR ◁ button to register the station.**

※ To cancel without registering, press the **CURSOR** ▷ button.





■ Listening to Internet radio stations registered in your favorites

1 **When the "NetAudio" function is selected, press the CURSOR △ or ▽ button to select "Favorites", then press the ENTER or CURSOR ▷ button.**

- The Internet radio stations registered in your favorites are displayed.

2 **Press the CURSOR △ or ▽ button to select the desired radio station, then press the ENTER or CURSOR ▷ button.**

- Playback starts.

■ Deleting radio stations from your favorites

1 **At the screen on which the Internet radio stations registered in your favorites are displayed, press the CURSOR △ or ▽ button to choose the radio station you want to delete, then press the MEMORY button.**

- The delete screen appears.

2 **Press the CURSOR ◁ button to delete the station.**

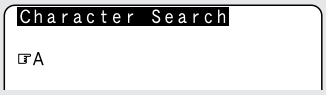
※ To cancel without deleting, press the **CURSOR** ▷ button.

Character search function (searching by first letter)

- The character search function (searching by first letter) can be used to select the desired item from the menu screen displaying the list of Internet radio stations or music files stored on the computer.

1 **While the menu screen is displayed, press the TUNING button.**

- The character search screen appears.



2 **Press the TUNING button to select the first letter of the item you want to search for.**

- After several seconds, the menu screen is displayed with the cursor set to the item starting with the letter selected in step 2.

※ If there is more than one item starting with the letter selected in step 2, the items are displayed in alphabetical order.

Updating the list of radio stations

1 **Press the MODE button to select the configuration mode, then press the ENTER or CURSOR ▷ button.**
- The settings screen appears.

2 **Press the CURSOR △ or ▽ button to select "Automatic Update" or "Manual Update", then press the ENTER or CURSOR ▷ button.**
- The update screen appears.

※ Select "Radio List Version" to display the current version.

3-1 **When "Automatic Update" is selected: Press the ENTER or CURSOR ▷ button to select "Yes".**
- The list of radio stations is updated approximately once every other day.

3-2 **When "Manual Update" is selected: Press the ENTER or CURSOR ▷ button.**
- The list of radio stations is updated this one time.

- When "Yes" is set for "Automatic Update", set "Power Saving" in the "Network Setup" to "OFF"(☞ page 139). When used with "Power Saving" set to "ON", we recommend performing the "Manual Update" procedure periodically (about once a week).

Playing music files stored on the computer (music server)

- The necessary system connections and settings must be made in order to play music files.
- This procedure is used to play music files (in WMA, MP3 and WAV format) stored on computers (music servers) connected to the AVR-5805CI via the network.
- The computer's server program must be launched before using this function. For details, refer to the server program's operating instructions.

1 **Either turn the FUNCTION knob or press the AUX button to select "NetAudio" (AMP mode).**
- The "Network Audio" menu appears.

(Main unit)

(Remote control unit in the AMP mode)

※ The host names of the computer(s) (music server(s)) on the network are displayed.

2 **Press the CURSOR △ or ▽ button to select the host name of the computer (music server) on which the music file you want to play is located, then press the ENTER or CURSOR ▷ button.**

3 **Press the CURSOR △ or ▽ button to select the search item or the desired folder, then press the ENTER or CURSOR ▷ button.**

※ Playable music files are indicated by the "✻" mark in front of them.

4 **Press the CURSOR △ or ▽ button to select the music file, then press the ENTER or CURSOR ▷ button.**
- Connection starts, and playback starts once the buffer reaches "100%".

※ Press the **CURSOR** ▽ button to select the next file, the **CURSOR** △ button to select the previous file.

※ During playback, press the **ENTER** button once to pause playback, then press the **ENTER** button again to resume playback.

※ If the **ENTER** button is pressed and held in for more than 2 seconds when in the play or pause mode, playback stops and the previous menu screen reappears.

■ Playing music files that have been preset or registered in your favorites

- The same operations as for Internet radio stations can be used to preset music files or register them in your favorites and play them.

NOTE:
- Registered presettings are deleted when they are overwritten.
- When the operations describe below are performed, the music server database is updated and it may no longer be possible to play the music files that have been preset or registered in your favorites:
  - When the music server is stopped and restarted.
  - When music files are deleted from or added to the music server.
- When using an ESCIENT server, place "ESCIENT" before the server name.

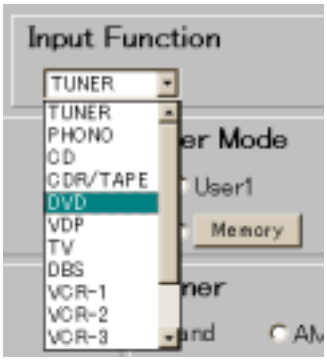
Operating the AVR-5805CI using a browser

- Internet Explorer can be used on the computer connected to the AVR-5805CI over the network to operate the AVR-5805CI.
- Check the AVR-5805CI's IP address (☞ page 138) beforehand and input this IP address in Internet Explorer to display the AVR-5805CI's control panel.
- Operate in the same way as with normal Internet browsing to control the AVR-5805CI.

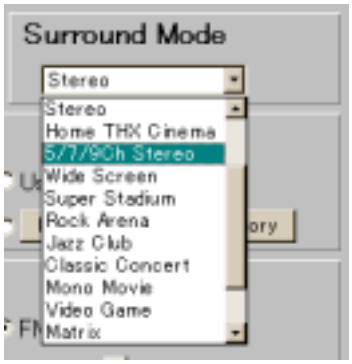
■ Examples of web control operation screens

The settings of the setup items are the same as with normal operations. Refer to "System Setup".
Below are some examples of operation screens.

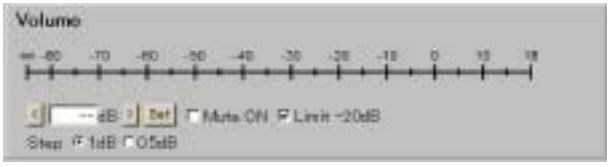
Function selection screen



Surround mode selection screen



Volume control screen

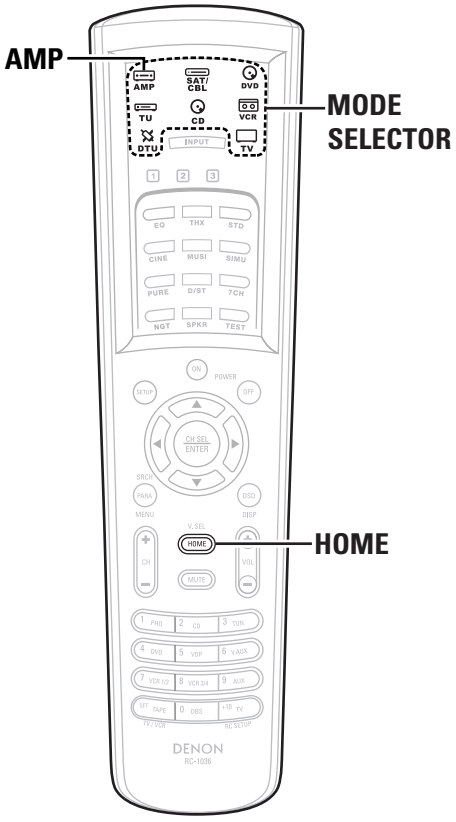


NOTE:
- To use this function, set "Standby Mode Power Saving" at "Network Option" under "Network Setup" to "OFF" (☞ page 139).

Advanced Operation

Remote control unit

- With the attached remote control unit, the display changes according to the mode being operated.



Operating DENON audio components

1 **Press the MODE SELECTOR button for the device to be operated.**

- The indicator of the device to be operated blinks.

AMP : AMP / ZONE2 / ZONE3 / ZONE4 / SYSTEM CALL
TU : TUNER
DTU : DIGITAL TUNER
SAT/CBL : SATELLITE / CABLE
CD : CD / CDR
DVD : DVD / DVDR
VCR : VCR / TAPE
TV : TV

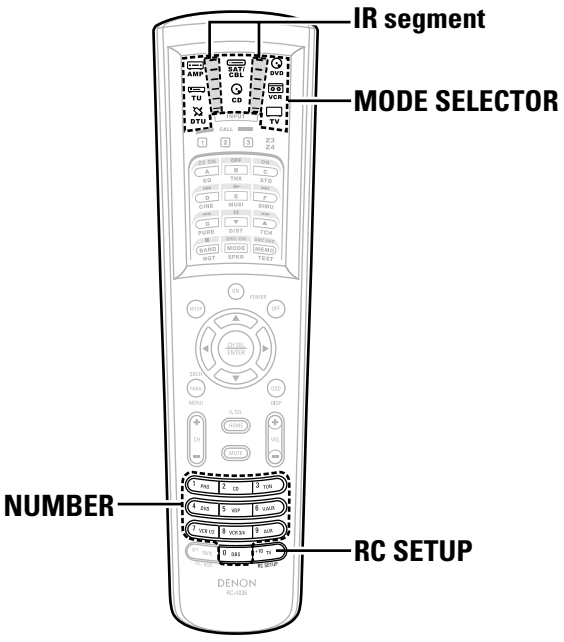
※ This function switches as shown below each time one of the **AMP** button is pressed.

AMP → ZONE2 → ZONE3 → SYSTEM CALL → ZONE4 → AMP

2 **Operate the DENON audio component (CD, TAPE, TUNER).**

※ For details, refer to the component's operating instructions.

- It may not be possible to use some of the buttons, depending on the model and age of your equipment.
- When a remote control code is sent, the icon for the mode of the device to which that code belongs flashes.
- The **HOME** button is used to return to the "AMP" ("AMP", "ZONE2", "ZONE3", "ZONE4" or "SYSTEM CALL") mode when in any mode other than "AMP".



Setting the preset memory function

- The various devices can be operated by setting the preset memory on the attached remote control unit.
  For some models the remote control unit or the device may not operate properly. In this case, use the learning function (☞ page 84) to store your device's remote control signals in the attached remote control unit.

1 **Press the MODE SELECTOR button for the device to be set in the preset memory.**

※ Presetting is not possible for the AMP, ZONE2, ZONE3, ZONE4, TUNER and SYSTEM CALL modes.

2 **Press and hold the RC SETUP button for at least 3 seconds.**

- The IR segment blinks twice and the input mode is set.

3 **Input the (5-digit) number for the brand of the device to be set in the preset memory, as shown on the list of preset codes (☞ End of this manual).**

- The IR segment blinks twice when the memory is set.
- When a preset code is transmitted, the mode indicator for the device to which that code belongs blinks.

※ The input mode is canceled if no operation is performed for 10 seconds.

- There may be several preset codes for some brands. If the remote control unit does not work properly with one code, try inputting another code.
- Buttons that have been learned have priority over the signals set with the preset memory function. If a learned button setting is not needed, please erase it (☞ page 86).

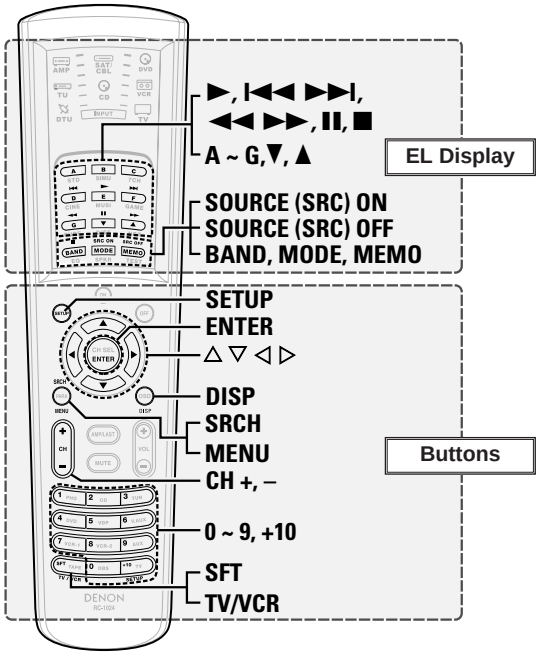
Operating a component stored in the preset memory

1 **Press the MODE SELECTOR button for the device to be operated.**

- The indicator of the device to be operated blinks.

2 **Operate the component.**

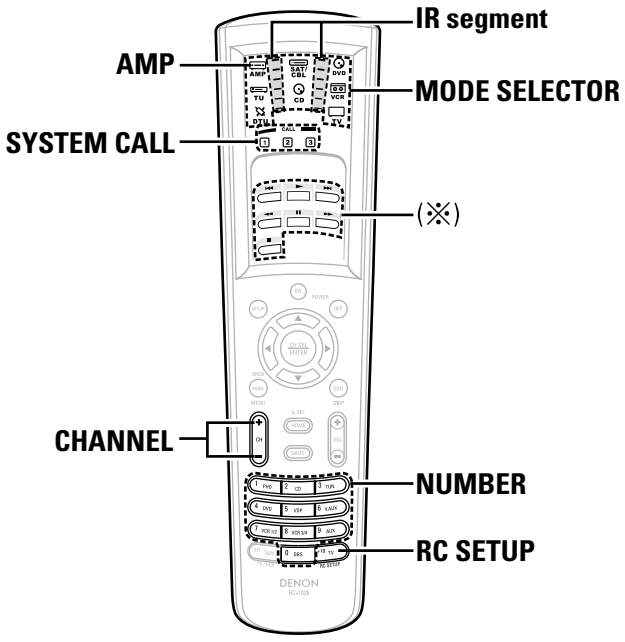
※ For details, refer to the component's operating instructions.



■ Functions of buttons for the different devices

Device operated	CD player or CD recorder	Video deck	Tape deck	Tuner	DVD player or DVD recorder	TV (Monitor)	Satellite tuner or Cable TV
EL Display							
MODE SELECTOR	**CD**	**VCR**		**TU**	**DVD**	**TV**	**SAT/CBL**
►	Play	Play	Play	–	Play	–	–
I◄◄ ►►I	Auto search (to beginning of track)	Auto search (to beginning of track)	Auto search (to beginning of track)	–	Auto search (to beginning of track)	–	–
◄◄ ►►	Manual search (forward / reverse)	Manual search (forward / reverse)	Manual search (forward / reverse)	–	Manual search (forward / reverse)	–	–
II	Pause	Pause	Pause	–	Pause	–	–
■	Stop	Stop	Stop	–	Stop	–	–
SOURCE ON	–	Power on	–	–	Power on	Power on	Power on
SOURCE OFF	–	Power off	–	–	Power off	Power off	Power off
A ~ G	–	–	–	Preset memory block	–	–	–
▲ ▼	–	–	–	Tuning	–	–	–
BAND	–	–	–	AM/FM/XM switching	–	–	–
MODE	–	–	–	Auto/Manual switching	–	–	–
MEMO	–	–	–	Preset memory	–	–	–
Buttons							
SETUP	–	Setup	–	–	Setup	Setup	Setup
ENTER	–	Enter	–	–	Enter	Enter	Enter
△ ▽ ◁ ▷	–	Cursor operation	–	–	Cursor operation	Cursor operation	Cursor operation
CH + –	–	Station selection	–	Preset channel selection	Station selection	Station selection	Station selection
SRCH	–	–	–	RDS search/ XM direct search	–	–	–
MENU	–	Menu	–	–	Menu	Menu	Menu
DISP	–	Guide	–	–	Display selection	Guide	–
SFT	–	–	–	Preset memory block selection	–	–	–
0 ~ 9, +10	Track selection	Station selection	Track selection	Preset station selection (0 ~ 8)/ XM channel selection (0 ~ 9)	Number input/station selection	Station selection	Station selection
TV / VCR	–	–	–	–	–	Input mode selection	–
Default setting (preset code)	DENON CD (31867)	HITACHI VCR (20000)	–	–	DENON DVD (41470)	HITACHI TV (11145)	RCA SAT (00392)
Special remarks	①	①	①	–	①, ②	③	①, ③

Special remarks:
① It is only possible to set the preset memory for one device per mode.
② Note that the function names of the DVD buttons on the remote control unit may differ for some brands. Check beforehand.
③ The CD, VCR or DVD buttons can be assigned to a TV or satellite tuner (or cable TV) (☞ page 85).



Setting the learning function

- If your AV device is a brand other than DENON or if operation is not possible using the preset memory function, the signals of a remote control unit of that device can be stored in the AVR-5805CI's remote control unit.
- For some remote control units, it may not be possible to learn the signals or the device may not operate properly after the signals are learnt. In this case, use the remote control unit of that device.

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 7, 5 button (9 → 7 → 5) in that order.**
- The IR segment blinks twice and the learning mode is set.

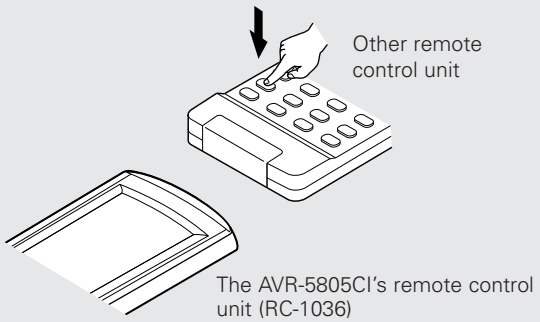
3 **Press the MODE SELECTOR button for the device to be operated.**

※ Learning is not possible for the AMP, ZONE2, ZONE3, ZONE4 and SYSTEM CALL modes.

4 **Press the button to be set.**
- The display will go off and the unit will enter the learning standby mode.

※ If a button that cannot be learnt is pressed, the IR segment lights and the setting is canceled.
※ Cannot be set at the **HOME** button.

5 **Point the remote control units straight at each other and press and hold in the button on the other remote control unit to be learnt on the AVR-5805CI's remote control unit.**
- The display turns on again and the IR segment blinks twice to indicate that the code is successfully captured.



※ Other buttons can be learnt by repeating steps 4 and 5.
※ The mode can be switched by pressing a **MODE SELECTOR** button.
※ If the IR segment displays one long blink, a leaning error has occurred. Try repeating this step again until a successful capture occurs.

6 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice and the setting is completed.

- To cancel the learning setup mode, press and hold the **RC SETUP** button for at least 3 seconds.

NOTE:
- Do not try to learn anything to the **RC SETUP** button.

Using the system call function

- A series of operations can be registered at a single button.
- This function makes it possible to for example turn the amplifier's power on, select the input source, turn the monitor power's on, turn the source device's power on and start playback, all by pressing a single button once.
- Up to 32 signals each can be stored at the **SYSTEM CALL** button (**1**, **2** or **3**).

■ **Registering**

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 7, 8 button (9 → 7 → 8) in that order.**
- The IR segment blinks twice and the system call registration mode is set.

3 **Press the SYSTEM CALL button (1, 2 or 3) for which you want to register the operations.**

4 **Press the buttons you want to register in the order of the operations to be performed.**

Example: Press the **ON** button.
↓
Press the **CD** button of the **MODE SELECTOR** button.
↓
Press the ► button.

※ The mode can be switched by pressing a **MODE SELECTOR** button.

5 **Repeat steps 3, 4 to register the desired buttons.**

6 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice and the setting is completed.

■ **Operating**

1 **Press the AMP button to select "SYSTEM CALL".**

2 **Press the SYSTEM CALL button (1, 2 or 3) at which the operation are registered**
- The stored signals are transmitted successively.

Setting the punch through function

- CD, DVD or VCR mode buttons can be assigned to unused TV and SAT/CBL mode buttons.
- For example, when DVD mode operations are assigned to TV mode buttons, the DVD mode can be operated while in the TV mode.

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 8, 4 button (9 → 8 → 4) in that order.**
- The IR segment blinks twice and the punch through setting mode is set.

3 **Press the MODE SELECTOR button for the device to be punched through (CD, DVD or VCR).**

4 **Press the button to be punched through (►, ■, ◄◄, ►►, I◄◄, ►►I or II).**

5 **Press the MODE SELECTOR button for the device to be punched through (TV or SAT/CBL).**

6 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice and the setting is completed.

Setting the back light's lighting time

1 **Press and hold the RC SETUP button for at least 3 seconds**
- The IR segment blinks twice.

2 **Press the 9, 7, 3 button (9 → 7 → 3) in that order.**
- The IR segment blinks twice and the backlight lighting time setting mode is set.

3 **Press the NUMBER button of (1 to 5) you want to set the lighting time.**
- The IR segment blinks twice.

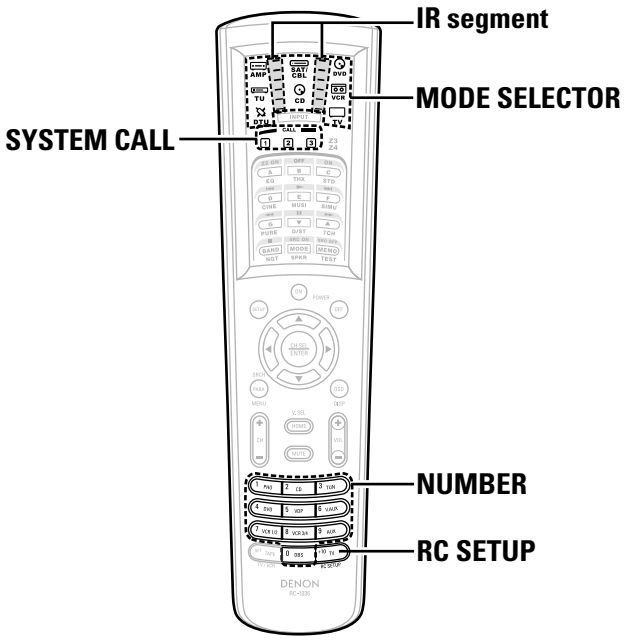
Lighting time: **1** : 5 sec
2 : 10 sec (factory default)
3 : 15 sec
4 : 20 sec
5 : 25 sec

Setting the brightness

- The brightness of the display can be adjusted in 5 steps (Default : level 3).
- First set the auto brightness adjustment setting to "OFF".

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the CHANNEL button.**
- Press the **+** button to increase the brightness 1 step.
- Press the **–** button to decrease the brightness 1 step.



Resetting the remote control unit

Resetting the learning function

■ **Resetting for individual buttons**

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 7, 6 button (9 → 7 → 6) in that order.**
- The IR segment blinks twice and the learning function resetting mode is set.

3 **Press the MODE SELECTOR button for the device to be reset.**

4 **Press the button to be reset twice.**
- The IR segment blinks twice.

■ **Resetting for individual devices**

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 7, 6 button (9 → 7 → 6) in that order.**
- The IR segment blinks twice and the learning function resetting mode is set.

3 **Press the MODE SELECTOR button for the device to be reset twice.**
- The IR segment blinks twice.

Resetting the system call function

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 7, 8 button (9 → 7 → 8) in that order.**
- The IR segment blinks twice and the system call resetting mode is set.

3 **Press the SYSTEM CALL button (1, 2 or 3) you want to reset.**

4 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

Resetting the punch through function

1 **Press the MODE SELECTOR button for the device to be reset (TV or SAT/CBL).**

2 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

3 **Press the 9, 8, 4 button (9 → 8 → 4) in that order.**
- The IR segment blinks twice and the punch through function resetting mode is set.

4 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

Resetting all the settings

1 **Press and hold the RC SETUP button for at least 3 seconds.**
- The IR segment blinks twice.

2 **Press the 9, 8, 1 button (9 → 8 → 1) in that order.**
- The IR segment blinks 4 times and the learning function resetting mode is set.
- Clear the entire system memory, which will restore the remote control unit to the factory default settings.

Multi zone music entertainment system

- When the outputs of the "ZONE2 (ZONE3, ZONE4)" OUT terminals are wired and connected to power amplifiers installed in other rooms, different sources can be played in rooms other than the MAIN ZONE in which this unit and the playback devices are installed. (Refer to ZONE2 (ZONE3, ZONE4) on the diagram below.)
- Settings can be made at "Power Amp Assign" in the "System Setup Menu" so that the same source as the ZONE2 (ZONE3, ZONE4) pre-out terminals can be played from the speakers connected to the ZONE2 (ZONE3, ZONE4) speaker terminals (☞ page 129 ~ 133).

※ To control playback devices other than the ones above, either use that device's remote control unit or preset a separately sold programmable remote control unit.

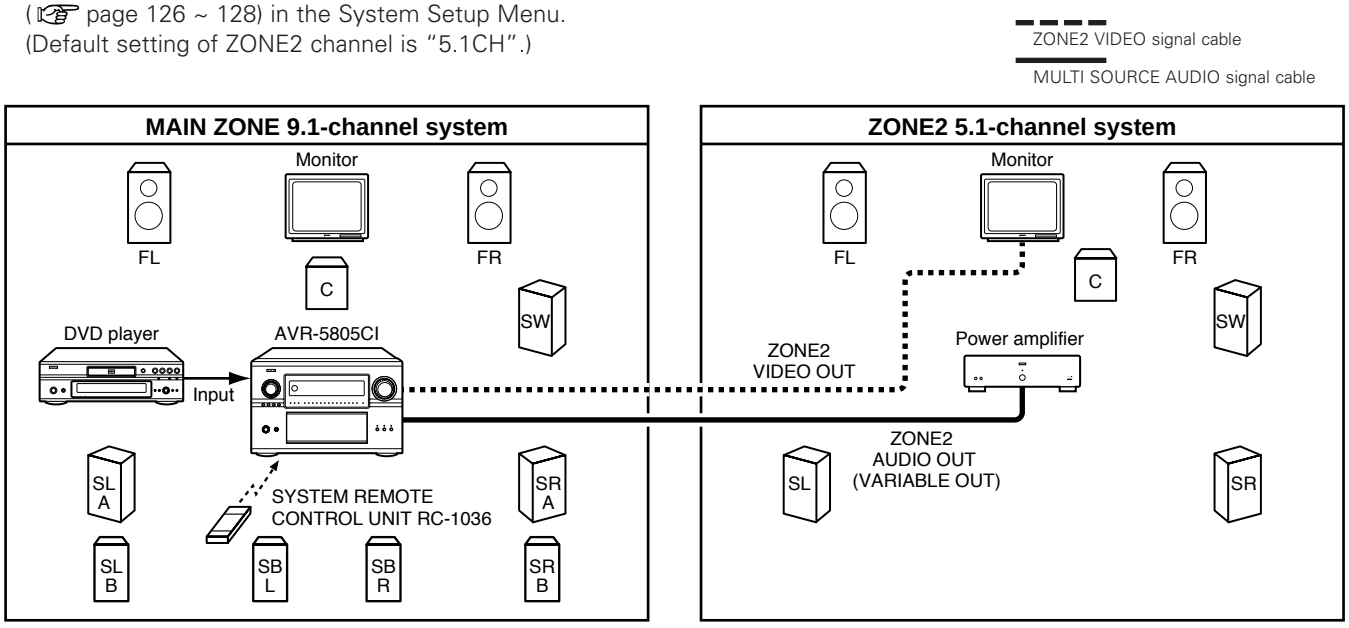
- For the AUDIO output, use high quality pin-plug cords and wire in such a way that there is no humming or noise.
- For instructions on installation and operation of separately sold devices, refer to the devices' operating instructions.
- Video signals are output from the ZONE3 video output terminals even when the power of ZONE3 is turned off.

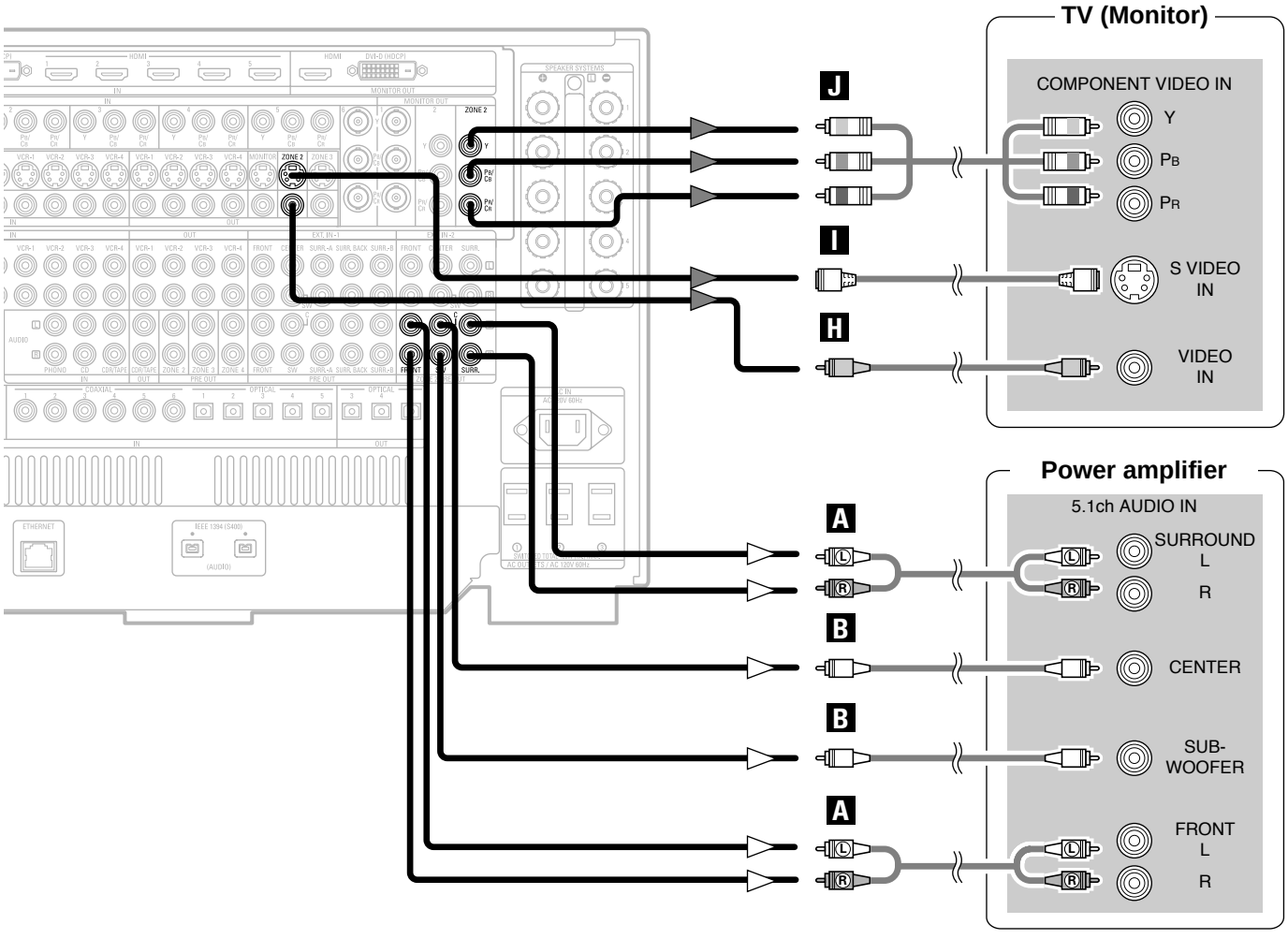
ZONE2 playback

- The AVR-5805CI is equipped with pre-out terminals for which the volume is adjustable and video output terminals (composite, S-Video and component) as the ZONE2 output terminals.
- A separately sold power amplifier or premain amplifier can be connected to enjoy ZONE2 playback.
- The AVR-5805CI ZONE2 monitor output is equipped with a video conversion function, so connect the ZONE2 monitor output terminal with a video, S-Video or component video cable. For details, see "The video conversion function" (☞ page 28).

■ ZONE2 5.1 channel system

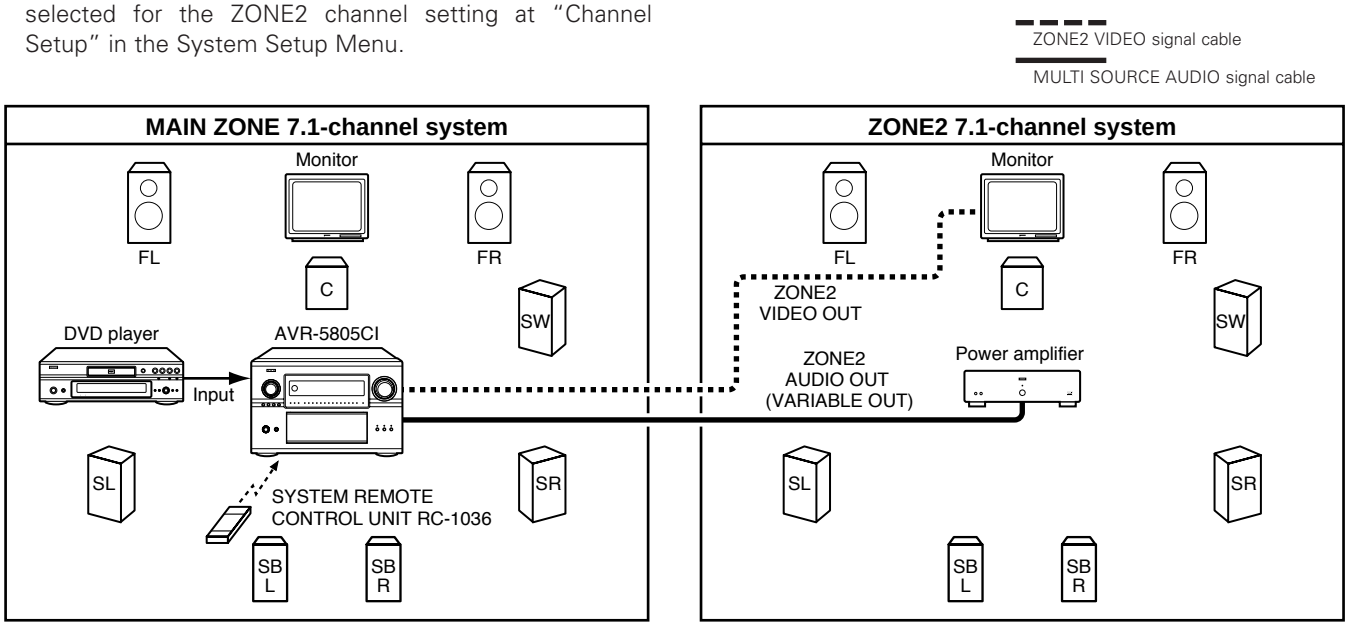
- 5.1 channel playback is possible in ZONE2 if "5.1CH" is selected for the ZONE2 playback channel setting at "Channel Setup" (☞ page 126 ~ 128) in the System Setup Menu.
  (Default setting of ZONE2 channel is "5.1CH".)

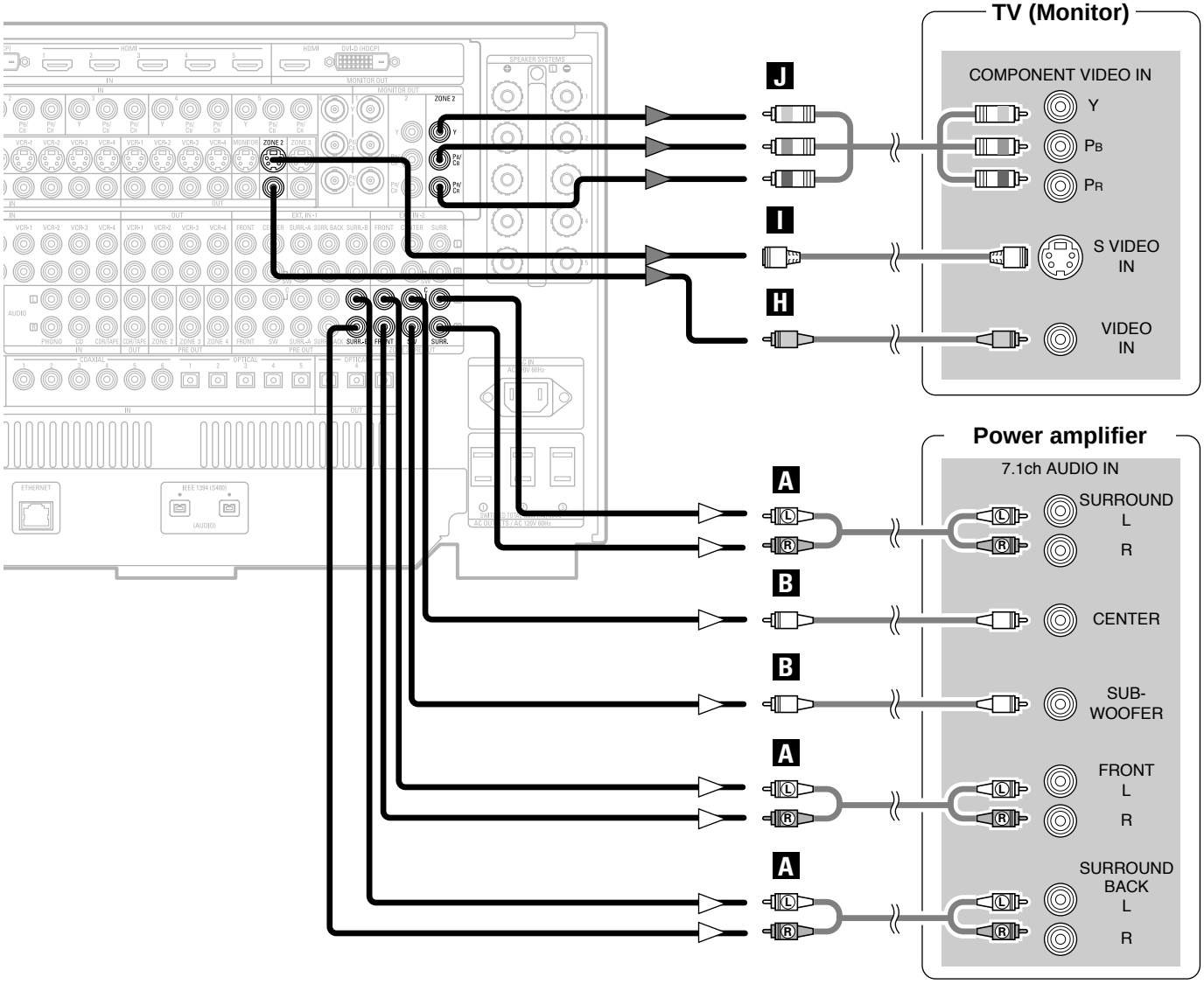




■ ZONE2 7.1 channel system

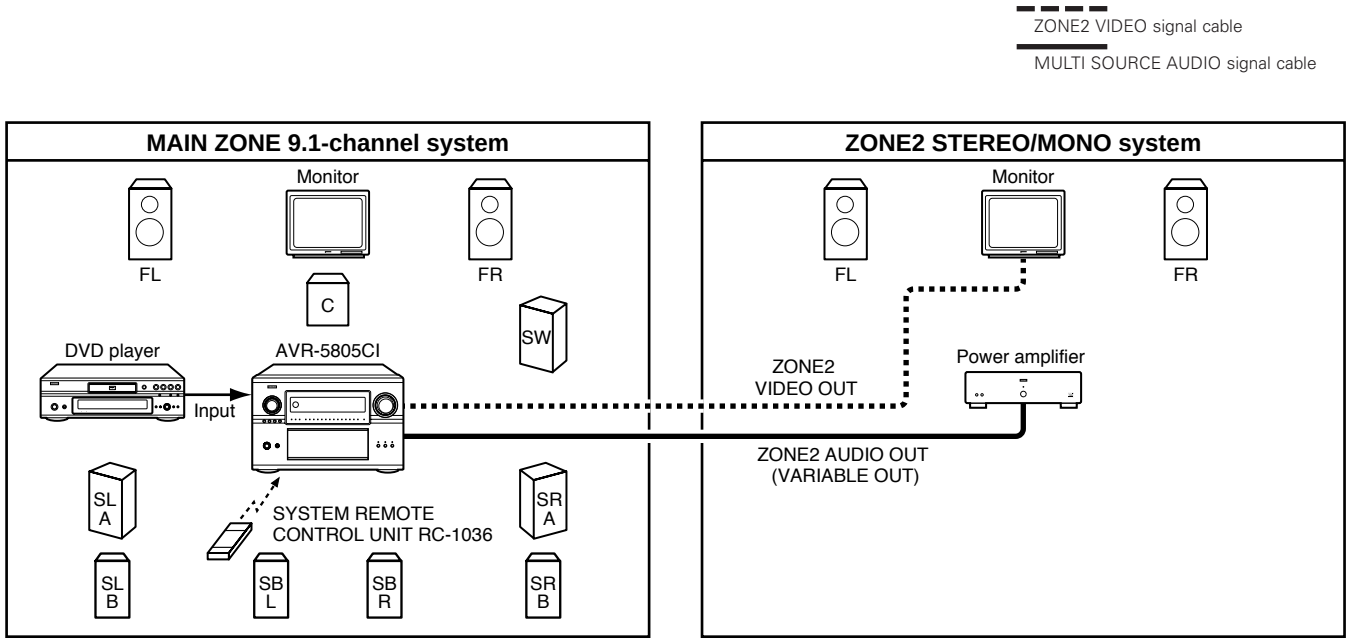
- 7.1 channel playback is possible in ZONE2 if "7.1CH" is selected for the ZONE2 channel setting at "Channel Setup" in the System Setup Menu.

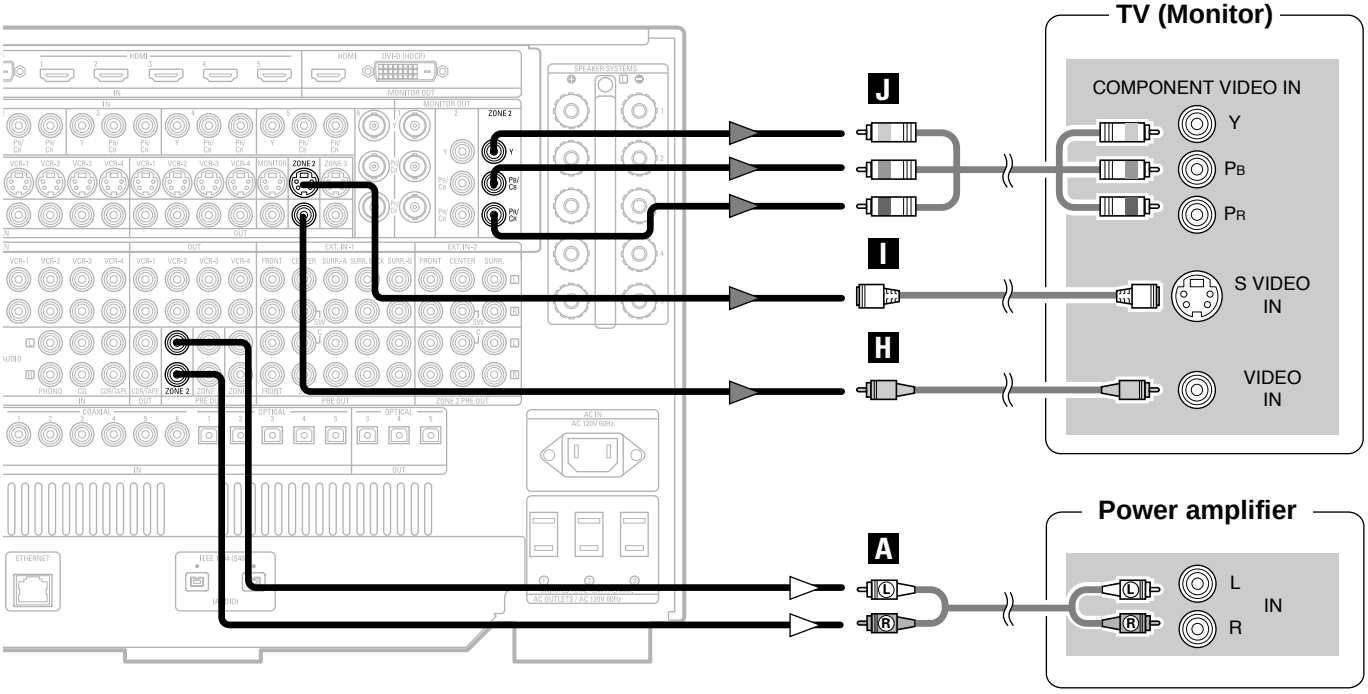




■ ZONE2 STEREO/MONO system

- When two speakers are being used in ZONE2, select "STEREO" for the ZONE2 channel setting at "Channel Setup" in the System Setup Menu. Stereo sound can be enjoyed in ZONE2.
- When only one speaker is being used in ZONE2, select "MONO" for the ZONE2 channel setting at "Channel Setup" in the System Setup Menu. In this case, monaural sound can be enjoyed in ZONE2.



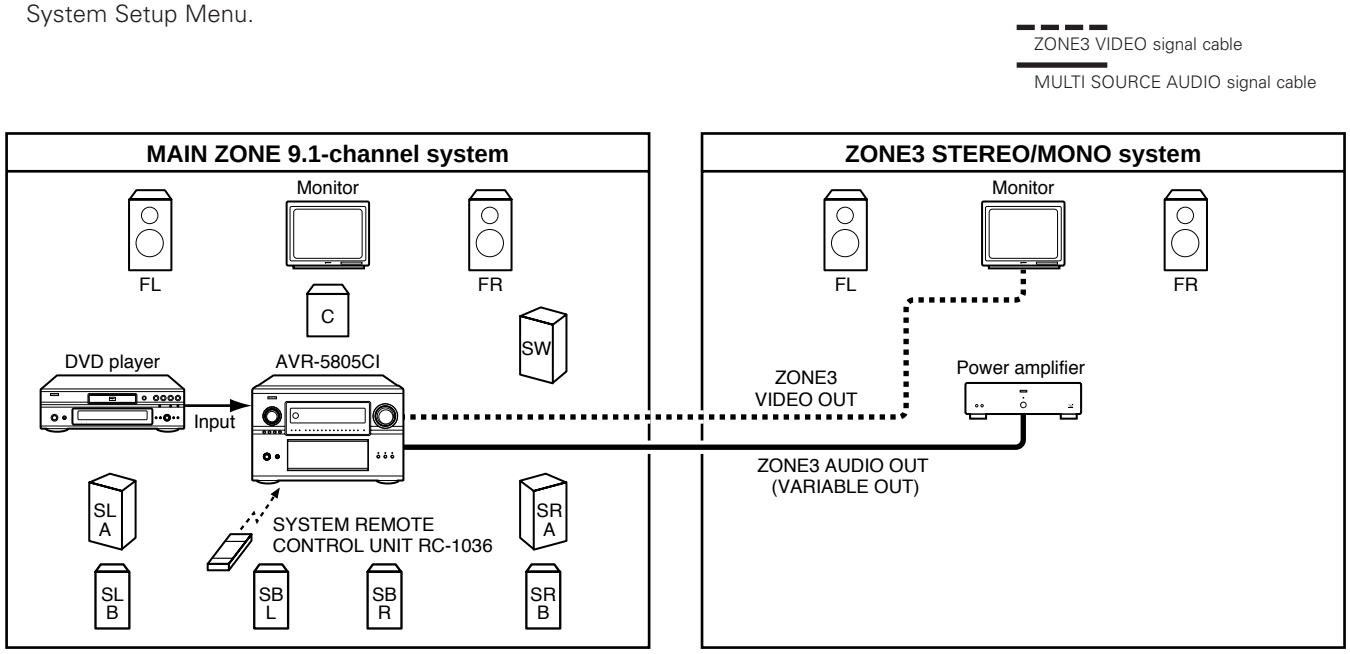


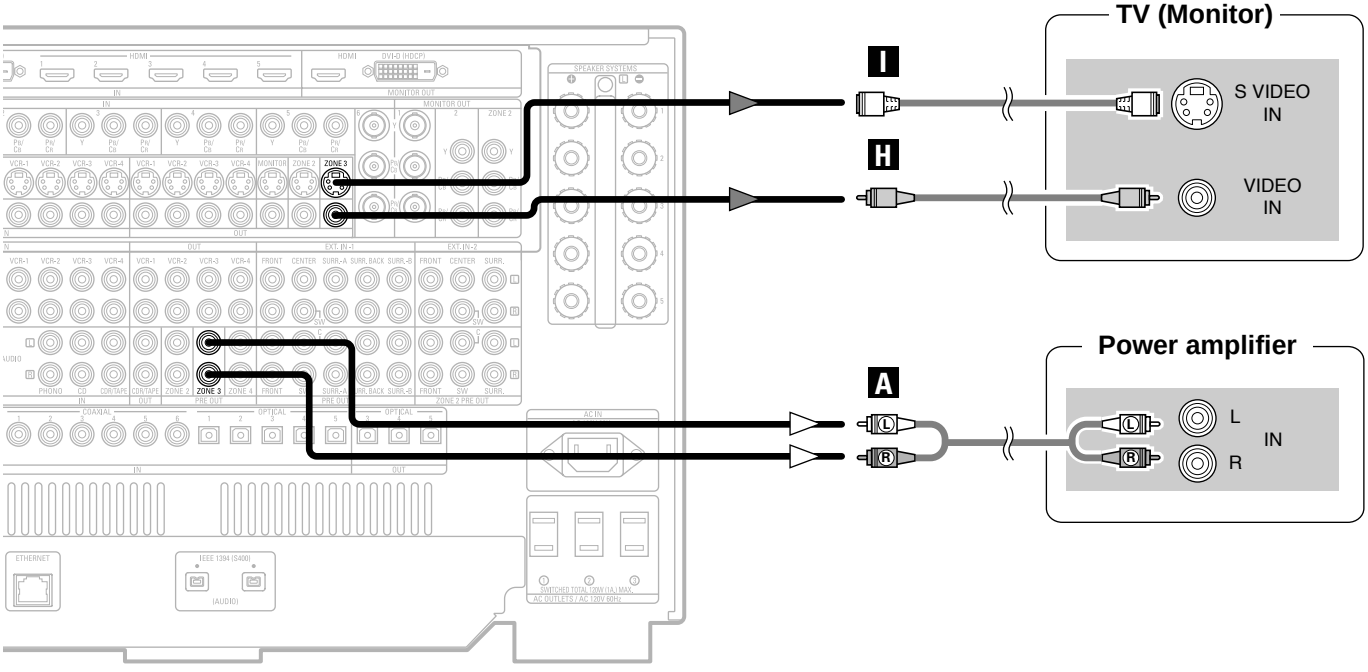
ZONE3 playback

- The AVR-5805CI is equipped with pre-out terminals for which the volume is adjustable and video output terminals (composite and S-Video) as the ZONE3 output terminals.
- When using a monitor in ZONE3, the input device's cable type must be the same as the type of cable connected to the AVR-5805CI's ZONE3 monitor output terminal (video or S-Video).

■ ZONE3 STEREO/MONO system

- Stereo and monaural sound can be enjoyed in ZONE3. (By default, "STEREO" is selected.)
- When only one speaker is being used in ZONE3, select "MONO" for the ZONE3 channel setting at "Channel Setup" in the System Setup Menu.



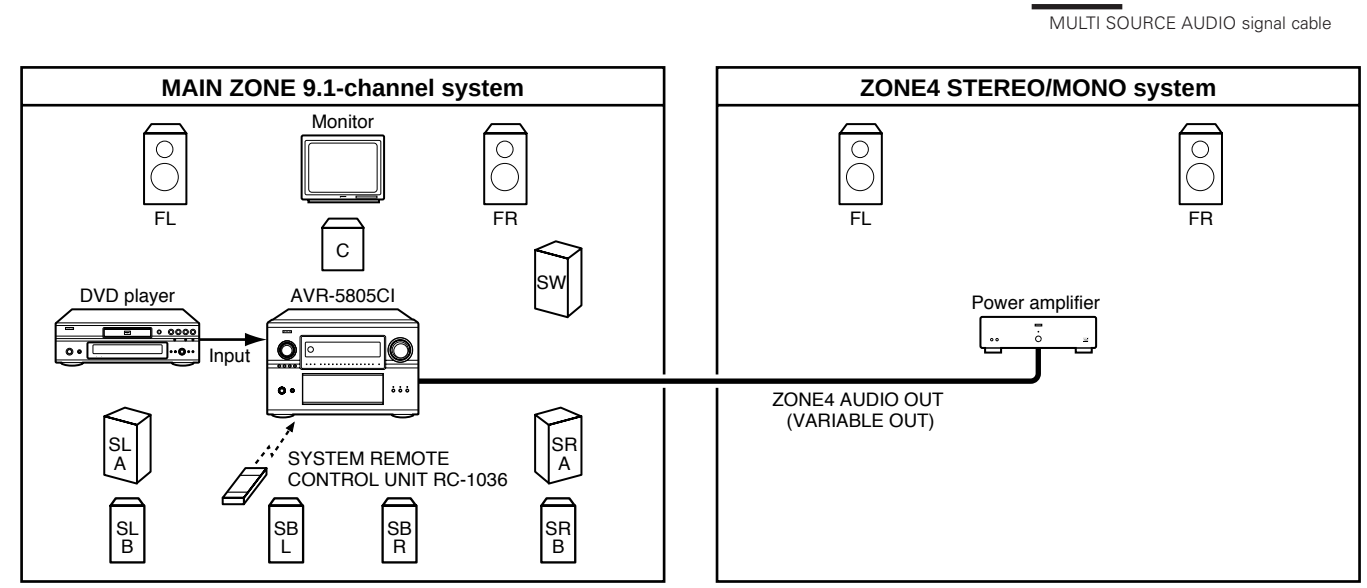


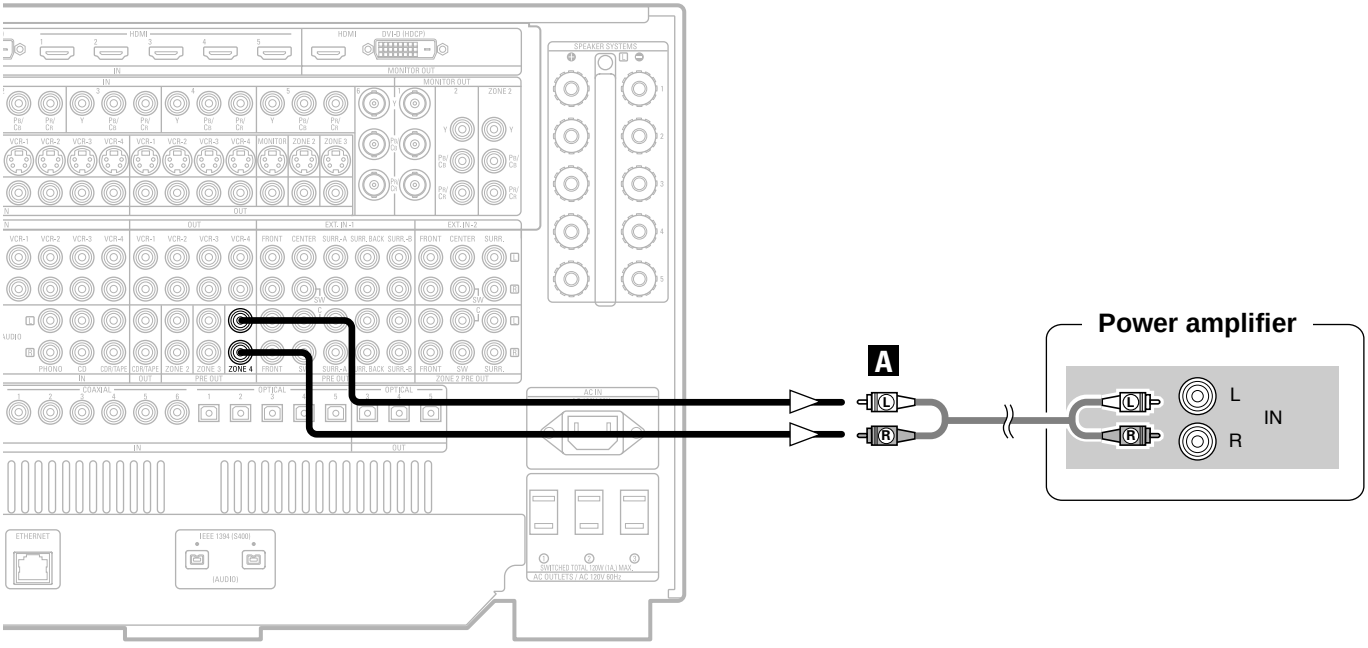
ZONE4 playback

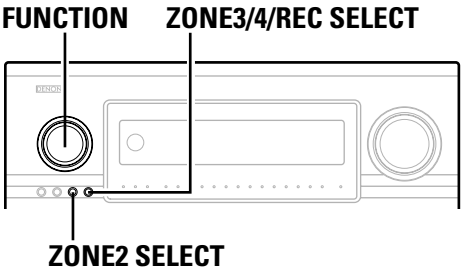
- The AVR-5805CI is equipped with pre-out terminals for which the volume is adjustable as the ZONE4 output terminals.

■ ZONE4 STEREO/MONO system

- Stereo and monaural sound can be enjoyed in ZONE4. (By default, "STEREO" is selected.)
- When only one speaker is being used in ZONE4, select "MONO" for the ZONE4 channel setting at "Channel Setup" in the System Setup Menu.







Outputting a program source to an amplifier, etc., in a ZONE2 room (ZONE2 SELECT mode)

1 **Press the ZONE2 SELECT button to display the "ZONE2 SOURCE" on the display.**

2 **Turn the FUNCTION knob to select the source you want to output appears on the display.**

3 **Start playing the source to be output.**

※ For operating instructions, refer to the manuals of the respective components.

Outputting a program source to an amplifier, etc., in a ZONE3 or ZONE4 room (ZONE3, ZONE4 SELECT mode)

1 **Press the ZONE3/4/REC SELECT button to display the "ZONE3 (ZONE4) SOURCE" on the display.**

- If the "ZONE3 SOURCE" is selected, the MULTI indicator light.

※ The display switches as follows each time the button is pressed.

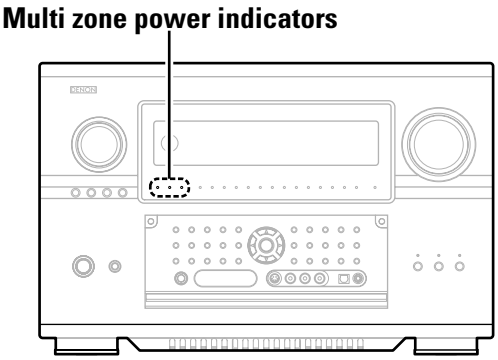
ZONE3 (REC OUT) ⟷ ZONE4

2 **Turn the FUNCTION knob to select the source you want to output appears on the display.**

3 **Start playing the source to be output.**

※ For operating instructions, refer to the manuals of the respective components.

- The signals of the source selected in the ZONE3 mode are also output from the VCR-1, VCR-2, VCR-3, VCR-4 and CDR/TAPE recording output terminals.
- Digital signals are not output from the ZONE3 and ZONE4 audio output terminals.
- About the MULTI ZONE connections (☞ page 88 ~ 92).



Remote control unit operations during multi-source playback

1 **Select the zone which you want to operate pressing the AMP buttons.**

2 **Press the ON button to turn on the Zone power.**
- The multi zone power indicator light.

※ Press the **OFF** button to turn off the zone power.
The multi zone power indicator on main unit is off.

3 **Press the FUNCTION button to select the input function you wish to operate.**

4 **Select the input mode. (only ZONE2 mode): Press the INPUT MODE button to switch to the input.**

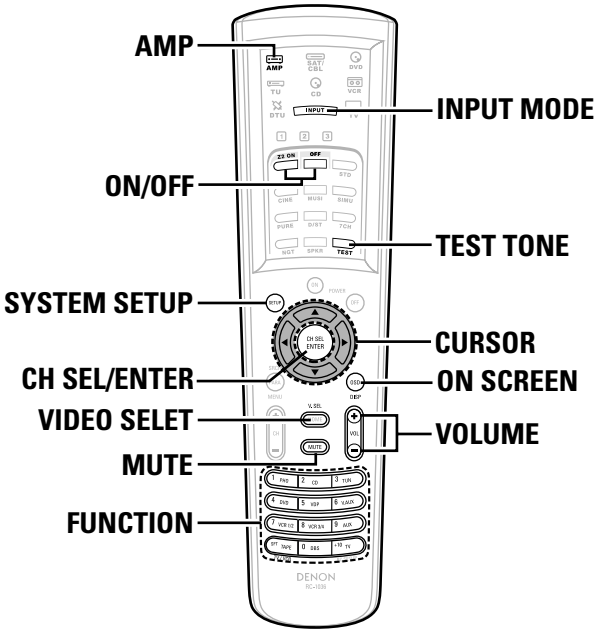
AUTO ⟷ ANALOG

5 **The volume of the outputs of the different zones can be adjusted with the VOLUME button on the remote control unit.**

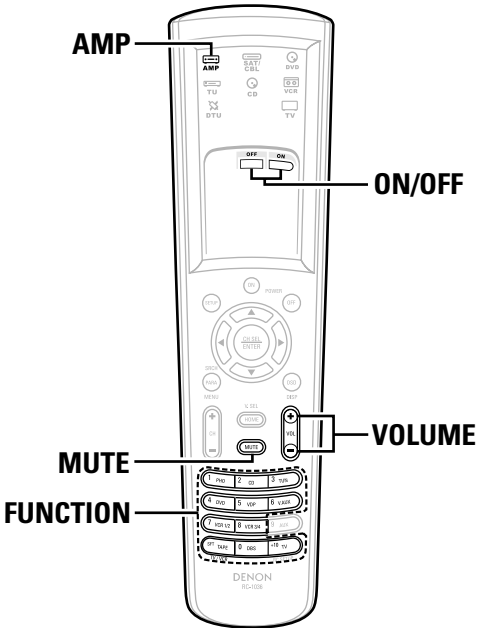
※ The output level can be controlled only if the zone volume level is set "variable" at "Volume Control" in the "System Setup Menu" (☞ page 134).
※ Default volume setting
ZONE2 : –40 dB
ZONE3 : –40 dB
ZONE4 : –40 dB
※ The Zone volume can be adjusted within the range of –80 to 18 dB, in steps of 1 dB.
However, when using with ZONE2 set to multi-channel (5.1 or 7.1 channel), the ZONE2 volume can be adjusted in steps of 0.5 dB (☞ page 126 ~ 128).

- The **MUTE** button can be operated in the same way as for the MAIN ZONE (☞ page 45).
- In the ZONE2 mode, the **VIDEO SELECT** and **ON SCREEN** buttons can be operated in the same way as for the MAIN ZONE (☞ page 45, 46).

(ZONE2)



(ZONE3/4)



System setup for multi-zone

• This makes possible to make the optimum setting for the speaker systems used in ZONE2.

1 **Select the ZONE2 mode using the AMP button.**

2 **Press the SYSTEM SETUP button.**
• The ZONE2 system setup menu appears.

※ The screen displayed depends on the settings made at "Channel Setup" (☞ page 126 ~ 128).

Example: When "ZONE2" is set for a 5.1 or 7.1 channel system

```
6. Zone Setup

☞1. Speaker Config.
  2. Subwoofer Mode
  3. Delay Time
  4. Channel Level
  5. Crossover Frequency
  6. Video Setup
  7. Zone3/4 Tone/Ch Lev.
  Exit
```

Example: When "ZONE2" is set for a STEREO or MONO

```
6. Zone Setup

☞1. Zone2 Tone/Ch Lev.
  2. Zone3 Tone/Ch Lev.
  3. Zone4 Tone/Ch Lev.
  4. Video Setup




  Exit
```

• For instructions on making the settings (☞ page 120 ~ 125).

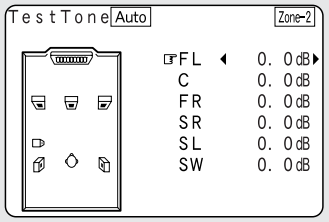
Adjustment steps that need to be performed prior to surround sound playback in ZONE2

■ Test Tone

• Before playing with the surround function, be sure to use the test tones to adjust the playback level from the different speakers. This adjustment can be performed with the system setup (☞ page 122, 123) or from the remote control unit, as described below.
• Adjusting with the remote control unit using the test tones is only possible in the "Auto" mode and only effective in the STANDARD (DOLBY/DTS SURROUND) modes. The adjusted levels for the different modes are automatically stored in the memory.

1 **Select the ZONE2 mode using the AMP button.**

2 **Press the TEST TONE button.**
• The "Test Tone" screen appears.



3 **Press the CURSOR ◁ or ▷ button to adjust all the speakers to the same volume.**

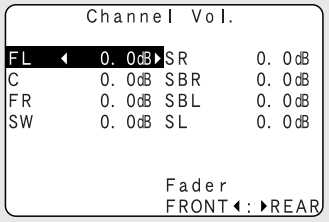
4 **After completing the adjustment, press the TEST TONE button again.**

■ Channel Level

• After adjusting using the test tones, adjust the channel levels either according to the playback sources or to suit your tastes, as described below.

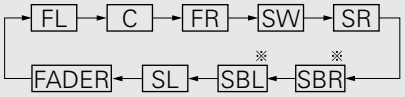
1 **Select the ZONE2 mode using the AMP button.**

2 **Press the CH SEL/ENTER button.**
• The "Channel Vol." screen appears.



3 **Press the CURSOR △, ▽ or CH SEL/ENTER button to select the speaker.**

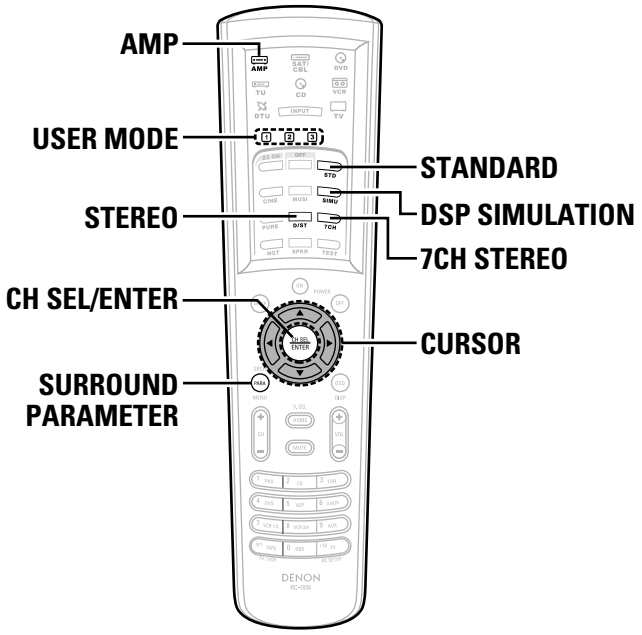
※ The channel switches as shown below each time the **CH SEL/ENTER** button is pressed.



※ ZONE2 surround back speakers are only displayed when "7.1ch" is selected for the ZONE2 channel output setting at "Channel Setup" (☞ page 126 ~ 128).
※ When the ZONE2 surround back speaker setting is set to "1spkr" for "Speaker Configuration", this is set to "SB".

4 **Press the CURSOR ◁ or ▷ button to adjust the level.**

※ The adjustment range for the different channels is +12.0 dB to –12.0 dB.
※ The sound from the subwoofer can be completely cut by lowering the SW (subwoofer) setting one additional step from –12.0 dB (setting it to "OFF").



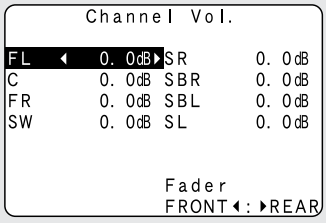
■ Fader function

- This function makes it possible to lower the volume of the front channels (FL, C and FR) or the rear channels (SL, SR, SBL and SBR) of ZONE2 together. Use it for example to adjust the balance of the sound from each position when multi-channel music sources are played.

1 **Select the ZONE2 mode using the AMP button.**

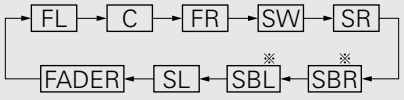
2 **Press the CH SEL/ENTER button.**

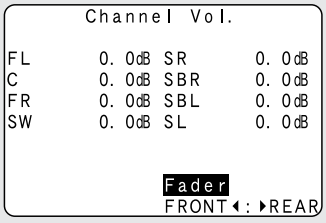
- The "Channel Vol." screen appears.



3 **Press the CURSOR △, ▽ or CH SEL/ENTER button then select "Fader".**

※ The channel switches in the order shown below each time the **CH SEL/ENTER** button is pressed.





※ ZONE2 surround back speakers are only displayed when "7.1ch" is selected for the ZONE2 channel output setting at "Channel Setup".

※ When the ZONE2 surround back speaker setting is set to "1spkr" for "Speaker Configuration", this is set to "SB".

4 **Press the CURSOR ◁ button to reduce the volume of the front channels, the CURSOR ▷ button to reduce the volume of the rear channels.**

※ The fader function does not affect the SW channel.

- The channel whose channel level is adjusted lowest can be faded to –12.0 dB using the fader function.
- If the channel levels are adjusted separately after adjusting the fader, the fader adjustment values are cleared, so adjust the fader again.

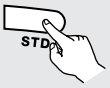
ZONE2 Surround

- When ZONE2 is used with a 5.1 or 7.1 channel system, various surround modes can be selected according to the program source being played.
- The desired sound field can be achieved by adjusting the parameters for the various surround modes.

1 **Select the ZONE2 mode using the AMP button.**

2 **Select the surround mode for each input channel.**

① STANDARD (Dolby Digital/DTS Surround) mode.

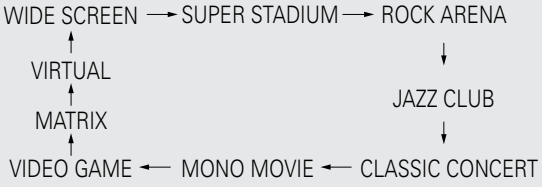


(Remote control unit)

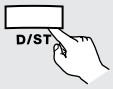
② DSP surround simulation mode.

(Remote control unit)

※ The surround mode switches in the following order each time the **DSP SIMULATION** button is pressed.

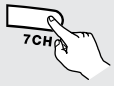


③ STEREO mode.



(Remote control unit)

④ 5CH/7CH STEREO mode.



(Remote control unit)

※ See pages 49, 54 ~ 58, 61 for a description of the features of the various surround modes.

※ The following surround modes can be selected in ZONE2: STEREO, STANDARD (DOLBY/DTS SURROUND), 5/7CH STEREO, WIDE SCREEN, SUPER STADIUM, ROCK ARENA, JAZZ CLUB, CLASSIC CONCERT, MONO MOVIE, VIDEO GAME, MATRIX and VIRTUAL.

3 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.

4 **Press the CURSOR △ or ▽ button to select the various surround parameters.**

5 **Press the CURSOR ◁ or ▷ button to adjust the parameters setting.**

6 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

USER MODE function of ZONE2

- The AVR-5805CI is equipped with a function for storing the input source, auto surround mode and input mode settings selected for the MAIN ZONE and ZONE2 in the memory so they can be used whenever desired.
- For ZONE2, three patterns of settings can be stored in the memory using the **USER MODE 1**, **2** and **3** buttons on the Remote control unit.
- See page 60 for a description of the MAIN ZONE's "USER MODE" function.

■ Storing the settings in the memory

1 **Set the following to the desired status:**
① ZONE2 input source
② ZONE2 auto surround mode
③ ZONE2 input mode

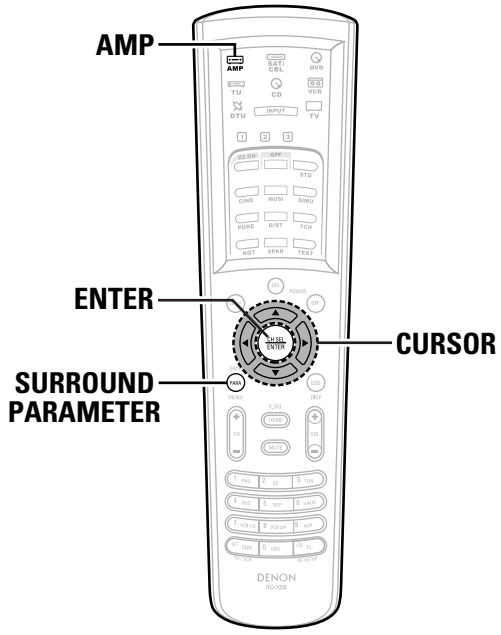
2 **Select the ZONE2 mode using the AMP button.**

3 **Press and hold the USER MODE button until the "USER 1 (2 or 3) MEMORY" is appears on the ZONE2 monitor.**

■ Calling the settings out

1 **Select the ZONE2 mode using the AMP button.**

2 **Press the USER MODE button at which the settings you want to call out are stored.**

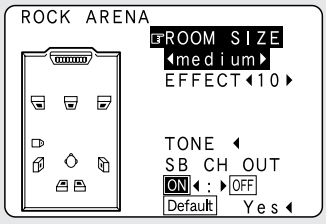


ZONE2 tone control setting

- This function allows you to adjust the bass and treble of the ZONE2 audio output during surround playback in ZONE2 to suit your tastes.

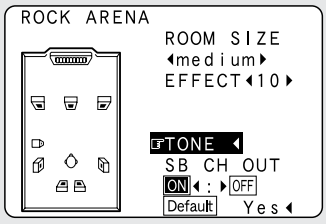
1 **Select the ZONE2 mode using the AMP button.**

2 **Press the SURROUND PARAMETER button.**
- The surround parameter menu appears.



※ The screen selected surround mode appears.

3 **Press the CURSOR △ or ▽ button to select "TONE".**



4 **Press the CURSOR ◁ button.**
- Switch to the "Tone Control" screen.

5 **Press the CURSOR ▷ button to select "Tone Defeat OFF".**

※ If you do not want to the tone to be adjusted, set "Tone Defeat" to "ON".

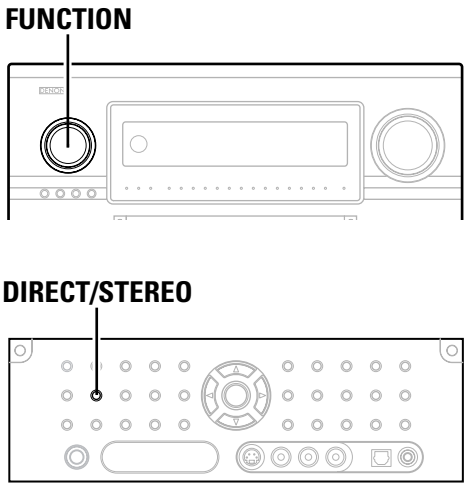
6 **Press the CURSOR △ or ▽ button to select "Bass" or "Treble".**

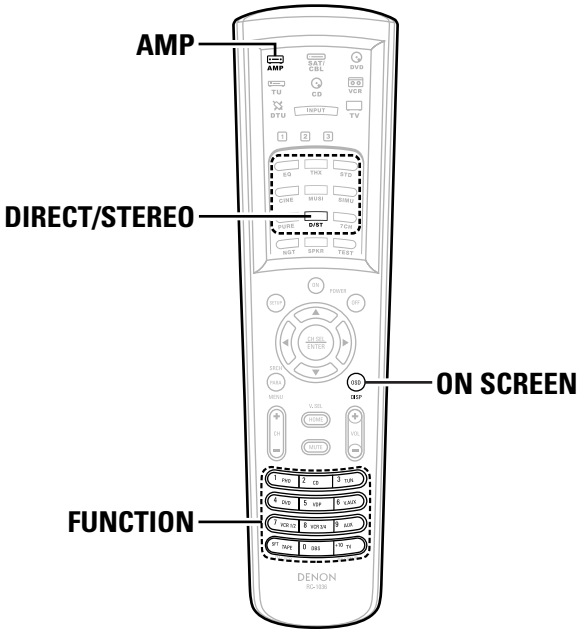
7 **Press the CURSOR ◁ or ▷ button to set the level.**

8 **Press the ENTER button.**
- The surround parameter menu reappears.

9 **Press the ENTER or SURROUND PARAMETER button to complete the setting.**

Other function

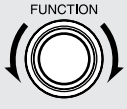




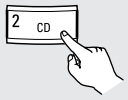
Playing Super Audio CDs with an IEEE1394 cable

1 **Select the input source to which IEEE1394 was assigned at the "IEEE1394 Assign" (☞ page 107) in the system setup.**

Example: CD



(Main unit)



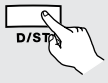
(Remote control unit)

- The IEEE1394 indicator lights.

2 **Select the surround mode.**

Example: DIRECT

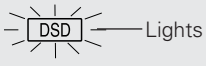
(Main unit)



(Remote control unit)

3 **Start playback on the selected component.**

- The DSD indicator lights.

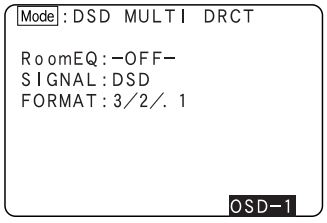


※ For operating instructions, refer to the component's manual.

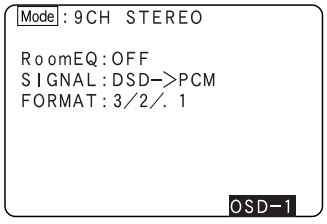
※ "DSD DIRECT" is shown on the display when playing DSD 2 channel signals in the DIRECT mode. "DSD MULTI DIRECT" is displayed when playing DSD multi-channel signals in the DIRECT mode (SB CH OUT "OFF").

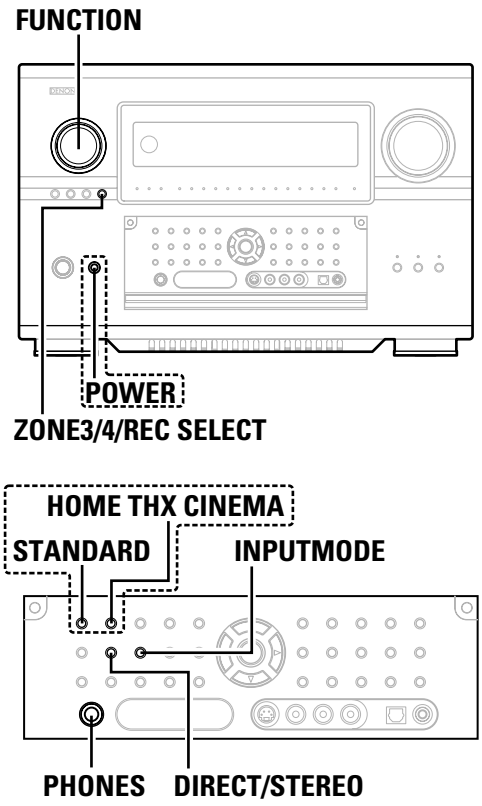
When playing DSD signals in the DIRECT or PURE DIRECT mode, the DSD signals are converted into analog signals. When playing in other surround modes, the DSD signals are first converted into PCM signals. The input signal and playing status can be checked by pressing the **ON SCREEN** button on the remote control unit.

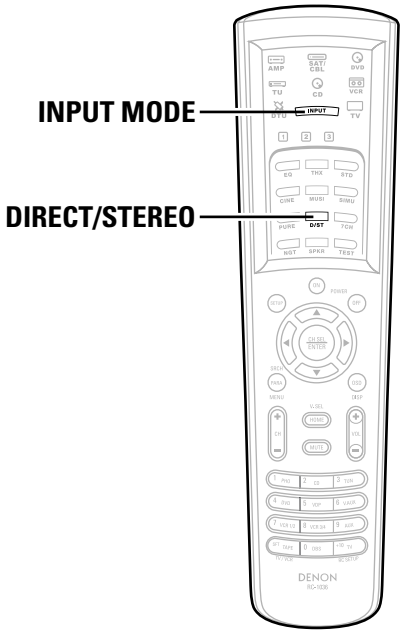
Example: When DSD multi-channel signals are played in the DIRECT mode



Example: When DSD multi-channel signals are played in the 9CH STEREO mode







Multi-source recording / playback

■ Playing one source while recording another (REC OUT mode)

1 **Press the ZONE3/4/REC SELECT button until "ZONE3 SOURCE" appears on the display.**

2 **With "ZONE3 SOURCE" displayed, turn the FUNCTION knob until "RECOUT SOURCE" appears on the display.**
- The REC indicator lights.

※ The function switches as shown below when the **FUNCTION** knob is turned.

ZONE3 SOURCE ⟷ ZONE3 TUNER ⟷ ···· ⟷ ZONE3 V.AUX
↕ ↕
RECOUT V.AUX ⟷ RECOUT VCR-4 ⟷ ···· ⟷ RECOUT SOURCE

3 **With "RECOUT SOURCE" displayed, turn the FUNCTION knob to select the source you wish to record.**

4 **Set the recording mode.**
- Start recording.

※ For operating instructions, refer to the manual of the component on which you want to record.

- To cancel, turn the **FUNCTION** knob and select "SOURCE".
- Recording sources other than digital inputs selected in the REC OUT mode are also output from the ZONE3 audio/video terminals.
- When the REC OUT mode is selected, the **ZONE3** button on the remote control unit cannot be operated.

■ Recording Dolby Digital and DTS multi channel sources

- With this set it is possible to record Dolby Digital and DTS multichannel signals converted into 2 channel analog signals.
- The recording signals are output to the TAPE and VCR output terminals.
- Down-mixed analog signals converted into digital signals are output from the OPTICAL 3, 4 and 5 digital output terminals at this time.

1 **Press the ZONE3/4/REC SELECT button until "RECOUT SOURCE" appears on the display.**

2 **Press the INPUT MODE button to set the input mode according to the source to be played.**

3 **Press the DIRECT/STEREO button to set the surround mode.**
- The multichannel digital signals are down-mixed and output to the TAPE and VCR output terminals.

4 **Set the recording mode.**

NOTE:
- This function does not work when "5.2 ch / 5.3 ch" is set for the MAIN ZONE's channel setup.

■ **Dolby Headphone recording**

- When REC OUT mode is set to "SOURCE", with the AVR-5805CI it is possible to output signals encoded in the Dolby Headphone mode from the recording output terminal and record them on a separate recorder.

1 **The Dolby Headphone play mode is set when headphones are connected to the PHONES jack during playback in the STANDARD (DOLBY/DTS Surround) mode.**

- When this is done, signals encoded in the Dolby Headphone mode are automatically output from the recording output terminals (analog and digital) and can be recorded.

2 **Select the parameters and set the desired mode.**

- Start recording.

※ Refer to the "Dolby Headphone" (☞ page 59).

NOTE:

- Do not disconnect the headphones during recording.

Last Function Memory

- This unit is equipped with a last function memory which stores the input and output setting conditions as they were immediately before the power is switched off.
  This function eliminates the need to perform complicated resetting when the power is switched on.
- The unit is also equipped with a back-up memory. This function provides approximately one week of memory storage from when the main unit's power switch is off and with the power supply cord disconnected.

Initialization of the Microprocessor

- In very rare instances, the AVR-5805CI internal microprocessor might lock up, or otherwise cause mis-operation. This might be caused due to an AC line surge or line spike noise, or by static electric discharge on or nearby the unit, or to connected components. If the condition cannot be corrected by powering off the unit, including disconnection of the power supply cord for a period of ten minutes and subsequent re-connection, then the unit may have to be re-initialized. Doing so will restore the microprocessor to its original out-of-the-box state, with all custom memories and settings erased, and the original factory default settings restored. Only use this procedure if you are sure that the microprocessor requires re-initialization.

1 **Switch off the unit using the main unit's POWER switch.**

2 **Hold the following STANDARD button and HOME THX CINEMA button, and turn the main unit's POWER switch on.**

3 **Check that the entire display is flashing with an interval of about 1 second, and release your fingers from the 2 buttons.**

- The microprocessor will be initialized.

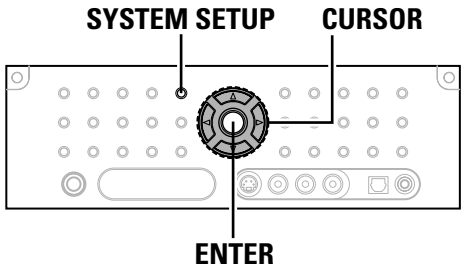
- If step 3 does not work, start over from step 1.
- If the microprocessor has been reset, all the settings are reset to the default values (the values set upon shipment from the factory).

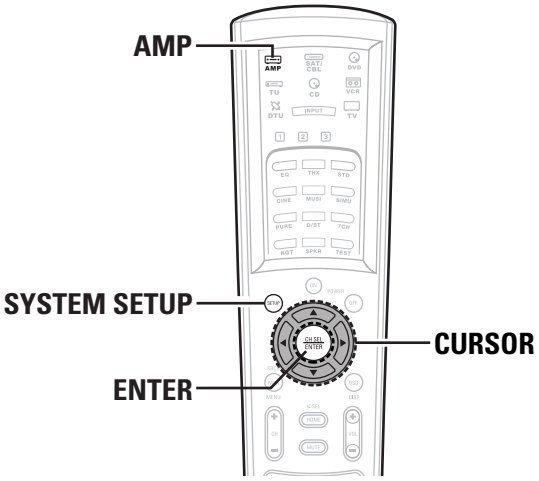
Advanced Setup – Part 1

- You can customize a variety of system setup so that it may be fitting for your listening environment. For the contents of a system menu and the initial setting of this unit (☞ page 153 ~ 156).

Navigating through the System Setup Menu

- You can change setting using the buttons on the front panel or remote control unit.





1 **Press the AMP button to select the "AMP" mode.**

2 **Press the SYSTEM SETUP button.**
- The "System Setup Menu" appears.

3 **Press the CURSOR △ or ▽ button to select the item you want to set, then press ENTER button.**

4 **Press the CURSOR △ or ▽ again to select the item you want to set, then press ENTER button.**

5 **To change the setting:**
Press CURSOR △ or ▽ button to select the item you want to change, then press CURSOR ◁ or ▷ button to change the setting.

※ Select "Default Yes", then press the **CURSOR** ◁ button to reset to the default setting.

6 **Press the ENTER button and set a new item.**

7 **Press the SYSTEM SETUP button to return to the "System Setup Menu" or the main menu.**

[On screen display] **[Display]**

3

```
System Setup Menu

 1. Auto Setup/Room EQ
 2. Speaker Setup
☞3. Audio Input Setup
 4. Video Setup
 5. Advanced Playback
 6. Zone Setup
 7. Option Setup
 Exit
```

```
                    3
*System Setup
Audio In Setup
```

4

```
3. Audio Input Setup

☞1. Digital In Assign
  2. EXT. IN Setup
  3. Input Function Lev.
  4. Function Rename
  5. IEEE1394 Assign
  6. IEEE1394 Auto Func.
  7. Tuner Presets
  Exit
```

```
                  3.1
*Audio In Setup
Digital In
```

5

```
3-1. Digital In Assign
☞ CD  : ◂COAX1▸   Tape : OPT5
  DVD : COAX2     V.Aux: OPT6
  VDP : COAX3
  TV  : COAX4
  DBS : COAX5
  VCR-1: OPT1
  VCR-2: OPT2
  VCR-3: OPT3
  VCR-4: OPT4     Default Yes◂
```

```
                  3.1
*Digital In
CD     :◂COAX1▸
```

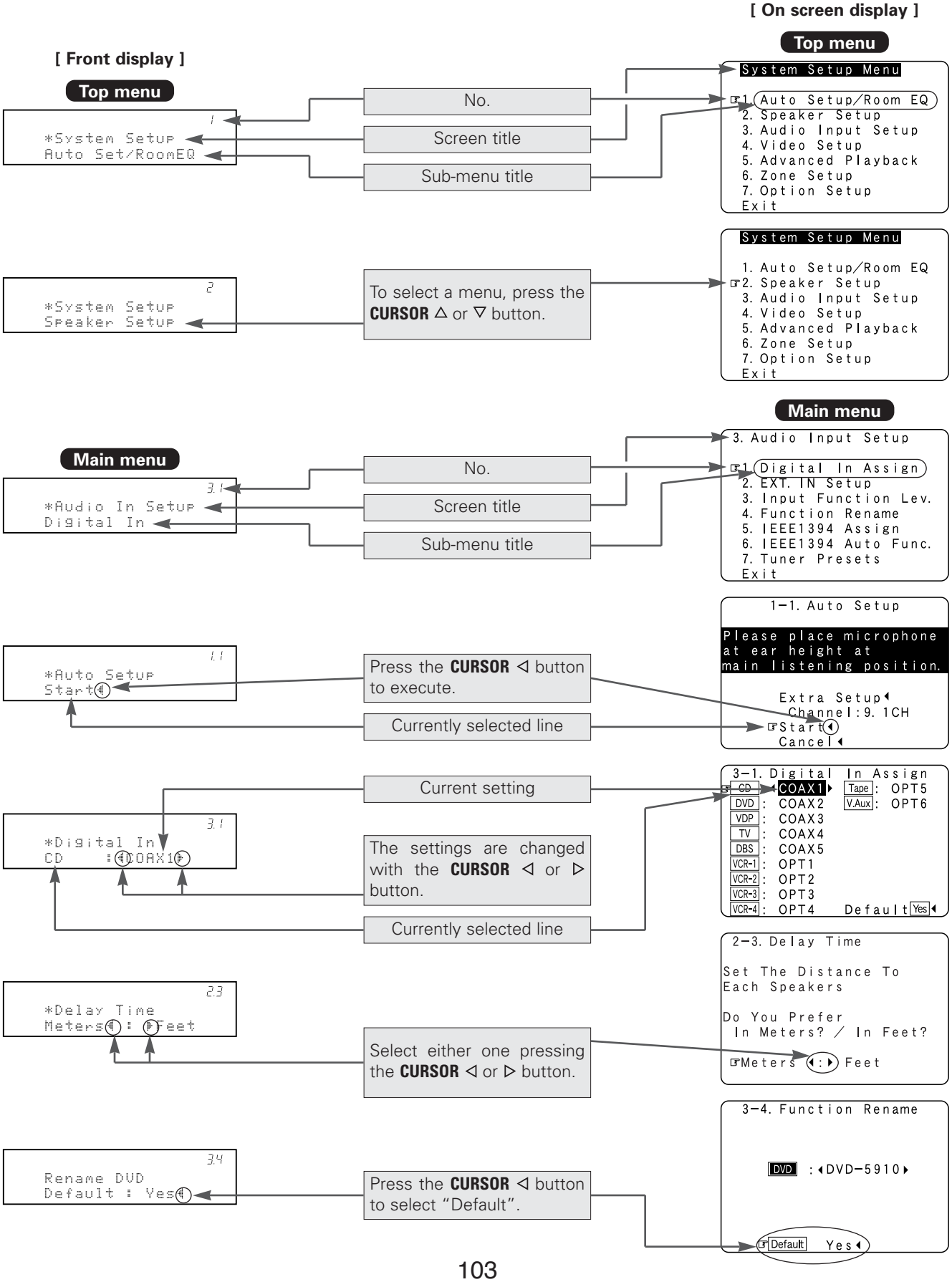
7

```
System Setup Menu

 1. Auto Setup/Room EQ
 2. Speaker Setup
 3. Audio Input Setup
 4. Video Setup
 5. Advanced Playback
 6. Zone Setup
 7. Option Setup
☞Exit
```

```
                    0
*System Setup
Exit
```

On screen display and front display

- The AVR-5805CI is equipped with an intuitive and easy-to-understand on screen display, and is equipped with an alpha-numeric front panel display tube that can also be used to check and adjust settings. We recommend that you use the on screen display when you make system adjustments. Some representative front panel and on screen display examples are shown below.



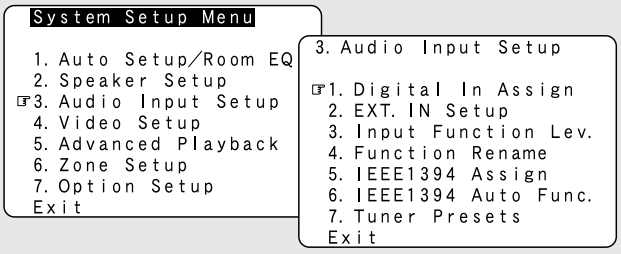
Audio Input Setup

- Make the audio-related settings.

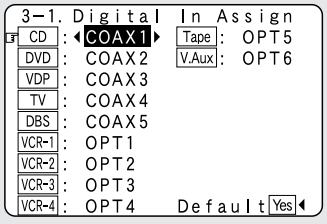
Setting the Digital In Assignment

- This assigns the digital input terminals for the different input sources.

1 **Press the CURSOR △ or ▽ button to select "Audio Input Setup" at the "System Setup Menu", then press the ENTER button.**
- The "Audio Input Setup" menu appears.



2 **Press the CURSOR △ or ▽ button to select "Digital In Assign", then press the ENTER button.**
- The "Digital In Assign" screen appears.



3 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select the digital input terminal.**

※ Select from among COAX 1 to 6, OPT 1 to 5.
※ If the same digital input terminal is selected, the setting for the input source that was previously assigned switches to "OFF".
※ The HDMI input terminal is displayed when it is assigned to the input source at "HDMI/DVI In Assign" (☞ page 111, 112).
※ If an input source is assigned to a device connected with an IEEE1394 cable at "IEEE1394 Assign", the digital input terminal's assignment setting switches to "OFF".
※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.

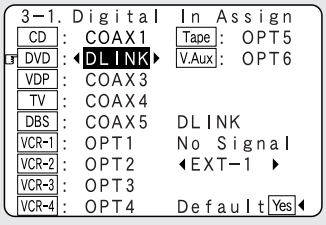
4 **Press the ENTER button to enter the setting.**
- The "Audio Input Setup" menu reappears.

- The OPTICAL 3, 4 and 5 terminals on the AVR-5805CI's rear panel are equipped with an optical digital output terminal for recording digital audio signals to a CD recorder, MD recorder, or other digital audio recording deck. Use this for digital recording between a digital audio source (stereo – 2 channel) and a digital audio recorder.
- "PHONO" and "TUNER" cannot be selected on the "Digital In Assign" screen.
- Do not connect the output of the component connected to the OPTICAL 3 (to 5) OUT terminal on the AVR-5805CI's rear panel to any terminal other than the OPTICAL 3 (to 5) IN terminal.

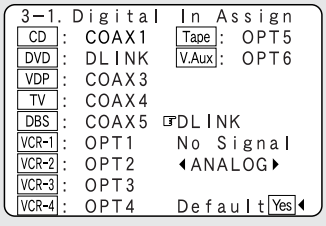
■ Setting the DENON LINK

- When a DENON DVD player and the DENON LINK have been connected, be sure to make a setting to "DENON LINK" with the System Setup Digital In Assignment.
- When the input mode is AUTO and the signals are not be able to transferred by DENON LINK, the unit automatically changes over the input to the selected signals (ANALOG, EXT. IN or IEEE1394).
- Refer to "DENON LINK connections" (☞ page 35).

1 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select "DLINK".**



2 **Press the CURSOR △ or ▽ button to select "DLINK" setting, then press the CURSOR ◁ or ▷ button to select the input signal (ANALOG, EXT. IN or IEEE1394).**

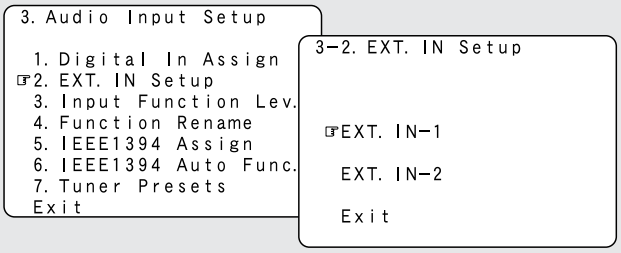


※ If the signal cannot be played with DENON LINK connection, the signal automatically switches to the input from the set terminal.

Setting the EXT. IN Setup

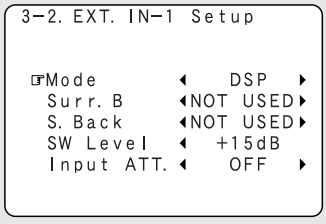
• Set the EXT. IN terminals playback method.

1 **Press the CURSOR △ or ▽ button to select "EXT. IN Setup" at the "Audio Input Setup" menu, then press the ENTER button.**
• The "EXT. IN Setup" screen appears.



2 **Press the CURSOR △ or ▽ button to select the input terminal, then press the ENTER button.**
• Switch to the setting screen.

3 **Press the CURSOR △ or ▽ button to select the item to be set, then press the CURSOR ◁ or ▷ button to select the parameter.**



Mode:
- **DSP:**
  The analog input signal is converted into a digital signal and undergoes DSP processing.
  System Setup settings (Speaker Configuration, Delay Time, etc.) are reflected in the same way as for other input signals.
  The surround playback mode button functions.
- **ANALOG:**
  The analog input signal is played without DSP processing.
  SW and center channel: Down-mixing is conducted by the analog circuit. Surround and surround back channels: Not output if "No" is selected at the Speaker Configuration. Delay Time: Not reflected.

S. Back:
Set when "Mode" is set to "DSP". Select according to the specifications of the player being used. Also refer to the player's operating instructions.
- **NOT USED:**
  Select when neither SBL or SBR is connected.
- **SB (SBL):**
  Select when only one surround back channel (SBL) is connected.
- **SBL/SBR:**
  Select when two surround back channels (SBL and SBR) are connected.

Surr. B:
Select according to the specifications of the player being used. Also refer to the player's operating instructions.
- **NOT USED:**
  Select when Surround B is not terminals.
  The Surround A input signal is output to the Surround B output terminals.
- **USED:**
  Select when Surround B is connected. The playback in the MULTI CH DIRECT and MULTI CH IN is only possible when "Mode" is set to "DSP".

Surr. Sp :
Set when "Mode" is set to "ANALOG". Select according to the specifications of the player being used. Also refer to the player's operating instructions.
- **Surr. A**
  Select when using surround speakers A.
- **Surr. B**
  Select when using surround speakers B.
- **Surr. A+B**
  Select when using both surround speakers A and B.

SW Level :
Select according to the specifications of the player being used. Also refer to the player's operating instructions.
Set the level of playback of the analog input signal connected to the EXT. IN Subwoofer.
+15dB (default) recommended. (0, +5, +10 and +15 can be selected.)

INPUT ATT.:
Set when "Mode" is set to "DSP".
If "OVER LOAD" appears on the display, select "–6 dB".

4 **Press the ENTER button to enter the setting.**
• The "EXT. IN Setup" menu reappears.

5 **Press the CURSOR △ or ▽ button to select the "Exit", then press the ENTER button.**
• The "Audio Input Setup" menu reappears.

• The items to be set differ as described below according to the selected input terminal and the "Mode" selection.

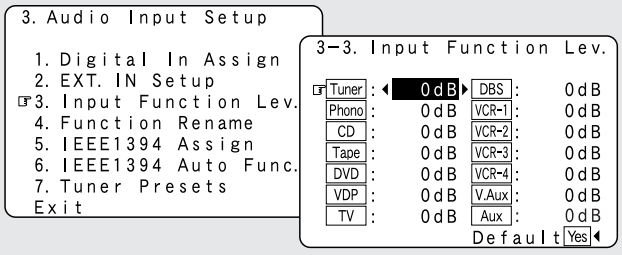
	EXT. IN-1 (10 CH)	
Mode	DSP	ANALOG
Surr. B	NOT USED / USED	NOT USED / USED
S. Back	NOT USED, SBL/SBR, SB (SBL)	–
Surr. Sp	–	Surr. A / Surr. B / Surr. A+B
SW Level	0, +5, +10, +15 dB	0, +5, +10, +15 dB
Input ATT.	OFF, –6 dB	–

	EXT. IN-2 (6 CH)	
Mode	DSP	ANALOG
Surr. B	–	–
S. Back	–	–
Surr. Sp	–	Surr. A / Surr. B / Surr. A+B
SW Level	0, +5, +10, +15 dB	0, +5, +10, +15 dB
Input ATT.	OFF, –6 dB	–

Setting the Input Function Level

- The playback level is corrected individually for the different input sources.

1 **Press the CURSOR △ or ▽ button to select "Input Function Lev." at the "Audio Input Setup" menu, then press the ENTER button.**
- The "Input Function Lev." screen appears.



2 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to adjust the level.**

※ The level can be adjusted between –12 dB and +12 dB in units of 1 dB.
※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.

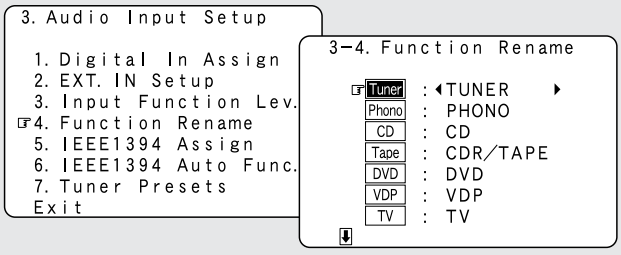
3 **Press the ENTER button to enter the setting.**
- The "Audio Input Setup" menu reappears.

- After completing this setting, check that the playback levels for the different sources are the same.

Setting the Function Rename

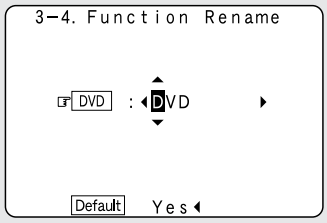
- The names of the different input function can be changed as desired and displayed on the display.

1 **Press the CURSOR △ or ▽ button to select "Function Rename" at the "Audio Input Setup" menu, then press the ENTER button.**
- The "Function Rename" screen appears.



2 **Press the CURSOR △ or ▽ button to select the input function whose name you want to change, then press the CURSOR ◁ or ▷ button.**
- The screen switches to the character input screen.

Example: When "DVD" is selected and the **CURSOR** ◁ or ▷ button is pressed



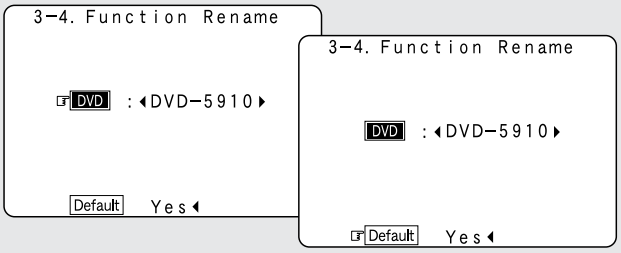
3 **Press the CURSOR ◁ or ▷ button to move the cursor (▮) to the character, number, symbol or punctuation mark you wish to input, and press the CURSOR △ or ▽ button to select that character.**

A B C D E F G H I J K L M N O P Q R S T U V W
X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y
z 0 1 2 3 4 5 6 7 8 9
! " # % & ' ( ) * + , – . / : ; < = > ? @ [\ ] (space)

※ Up to 8 characters can be input.

4 **Repeat step 3 to input the input function name.**

※ To reset the input function name to the default value, press the **CURSOR** ◁ or ▷ button to highlight the input function display, then press the **CURSOR** ▽ button. When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default input function name.



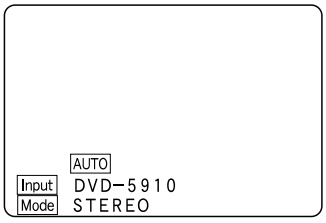
5 **Once all the characters have been input, press the ENTER button.**
- The "Function Rename" screen reappears.

※ Use the same procedure to change other input function names as well.

6 **Press the ENTER button to enter the setting.**
- The "Audio Input Setup" menu reappears.

- When the input function is selected, the display is as shown below.

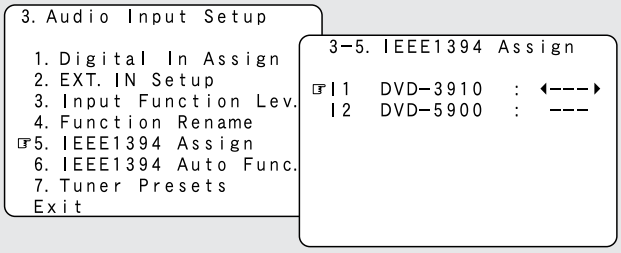
Example: When the name has been changed to "DVD-5910"



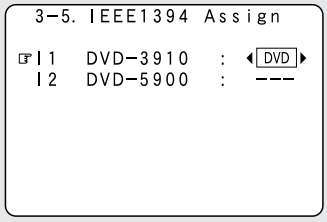
Setting the IEEE1394 Assignment

- Assign the device connected by IEEE1394 cable to an input source. The power of the device to be assigned must be turned on ahead of time.

1 **Press the CURSOR △ or ▽ button to select "IEEE1394 Assign" at the "Audio Input Setup" menu, then press the ENTER button.**
- The "IEEE1394 Assign" screen appears.



2 **Press the CURSOR △ or ▽ button to select the device to be assigned to the input source, then press the CURSOR ◁ or ▷ button to select the input source.**



3 **Press the ENTER button to enter the setting.**
- The "Audio Input Setup" menu reappears.

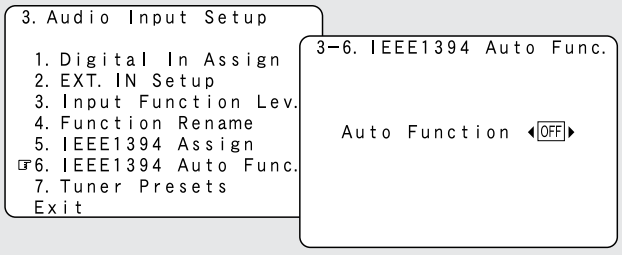
- If you do not wish to assign the device connected by IEEE1394 cable to an input source, the IEEE1394 input can be selected by turning the **FUNCTION** knob. In this case, the connection information is cleared when the power of the connected device or the AVR-5805CI is turned off, so the selection procedure must be performed again.
- By default, if no device has been connected using an IEEE1394 cable in the past, "No Connection" is displayed.
- "Connection Change" is displayed if there is a change in the IEEE1394 connection status while this screen is displayed.
- If the model name cannot be acquired from the connected IEEE1394 device, "UNKNOWN" is displayed.
- If an IEEE1394 device other than one for IEEE1394 audio playback is connected, "Not Play" is displayed and the input source cannot be assigned.

Setting the IEEE1394 Auto Function

• Set whether or not to automatically play the IEEE1394 device when it is selected with the **FUNCTION** knob.

1 **Press the CURSOR △ or ▽ button to select "IEEE1394 Auto Func." at the "Audio Input Setup" menu, then press the ENTER button.**

• The "IEEE1394 Auto Func." screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

ON:
Select this to automatically play the device.

OFF:
Select this if you do not want to automatically play the device.

※ In some cases settings may be required on your player. Also refer to the player's operating instructions.

3 **Press the ENTER button to enter the setting.**

• The "Audio Input Setup" menu reappears.

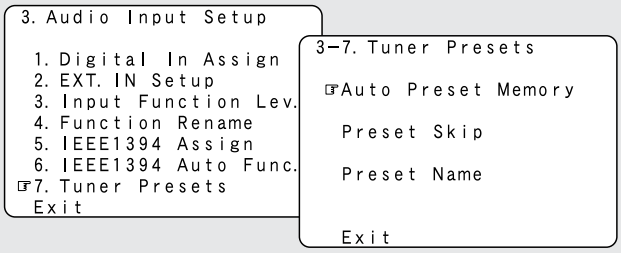
Tuner Presets

■ Auto Preset Memory

• FM stations are received automatically and stored in the memory.

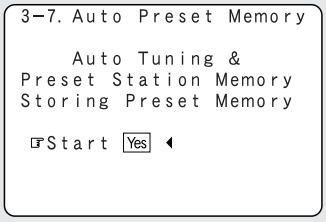
1 **Press the CURSOR △ or ▽ button to select "Tuner Presets" at the "Audio Input Setup" menu, then press the ENTER button.**

• The "Tuner Presets" screen appears.



2 **Press the CURSOR △ or ▽ button to select "Auto Preset Memory", then press the ENTER button.**

• Switch to the "Auto Preset Memory" screen.



3 **Press the CURSOR ◁ button to select "Yes".**

• "Search" flashes on the screen and searching begins.
• "Completed" appears once searching is completed.
• The display automatically switches to the "Tuner Presets" screen.

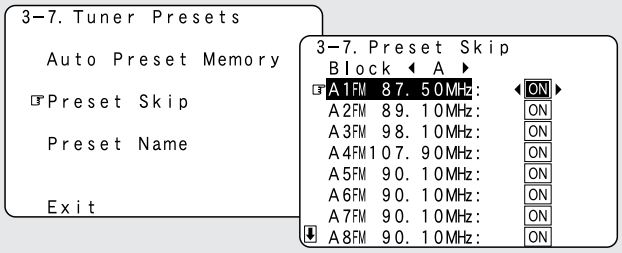
• If an FM station cannot be preset automatically due to poor reception, use the "Manual tuning" operation (☞ page 66) to tune in the station, then preset it using the manual "Preset memory" operation (☞ page 66).

■ Preset Skip

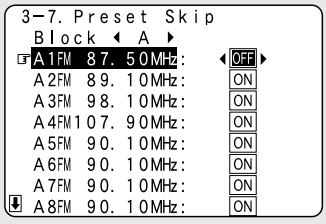
- Preset channels that are not used often can be skipped.

1 **Press the CURSOR △ or ▽ button to select "Preset Skip" at the "Tuner Presets" screen, then press the ENTER button.**

- Switch to the "Preset Skip "screen.



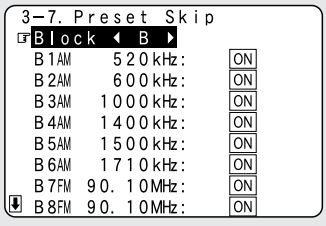
2 **Press the CURSOR △ or ▽ button to select the preset channel you want to skip, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**



3 **Press the CURSOR ▽ button at the very bottom of the screen to select the next preset memory block.**

- The screen for the next preset memory block appears.

※ It is also possible to select the desired preset memory block by selecting "Block" then pressing the **CURSOR** ◁ or ▷ button.



4 **Repeat steps 2 and 3.**

5 **Press the ENTER button.**

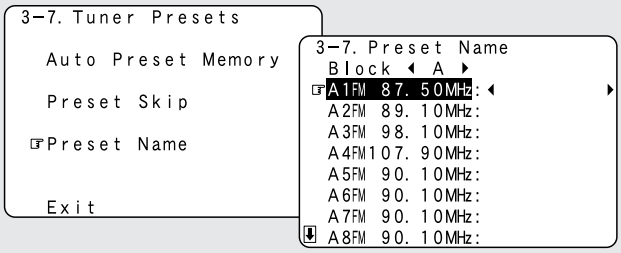
- The "Tuner Presets" screen reappears.

■ Preset Name

- The preset channels can be given the names you want. (Except the XM channels.)

1 **Press the CURSOR △ or ▽ button to select "Preset Name" at the "Tuner Presets" screen, then press the ENTER button.**

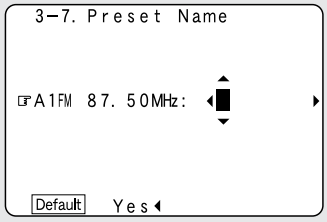
- Switch to the "Preset Name" screen.



2 **Press the CURSOR △ or ▽ button to select the preset channel whose name you want to change, then press the CURSOR ◁ or ▷ button.**

- The screen switches to the character input screen.

Example: When "A1" is selected and the **CURSOR** ◁ or ▷ button is pressed



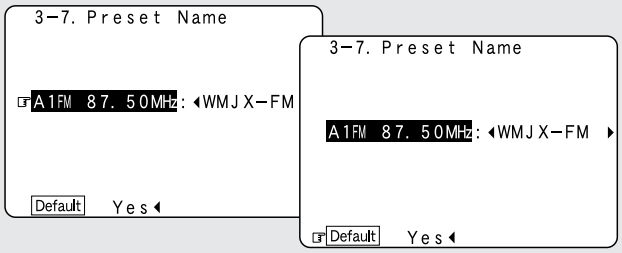
3 **Press the CURSOR ◁ or ▷ button to move the cursor (▮) to the character, number, symbol or punctuation mark you wish to input, and press the CURSOR △ or ▽ button to select that character.**

A B C D E F G H I J K L M N O P Q R S T U V W
X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y
z 0 1 2 3 4 5 6 7 8 9
! " # % & ' ( ) * + , – . / : ; < = > ? @ [\ ] (space)

※ Up to 8 characters can be input.

4 **Repeat step 3 to input the preset channel name.**

※ To reset the preset channel name to the default value, press the **CURSOR** ◁ or ▷ button to highlight the preset channel display, then press the **CURSOR** ▽ button. When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default name.



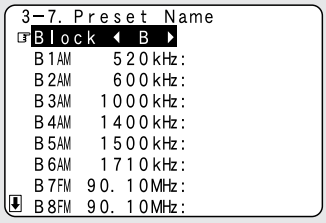
5 **Once all the characters have been input, press the ENTER button.**

• The "Preset Name" screen reappears.

※ Use the same procedure to change other input station names as well.

6 **Press the CURSOR ▽ button at the very bottom of the screen to select the next preset memory block.**

• The screen for the next preset memory block appears.



※ It is also possible to select the desired preset memory block by selecting "Block" then pressing the **CURSOR** ◁ or ▷ button.

7 **Press the ENTER button to enter the setting.**

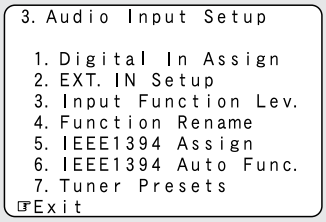
• The "Tuner Presets" screen reappears.

8 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

• The "Audio Input Setup" menu reappears.

9 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

• The "System Setup Menu" reappears.



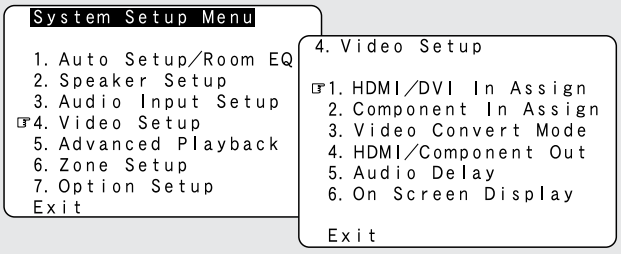
Video Setup

- Make the video-related settings.

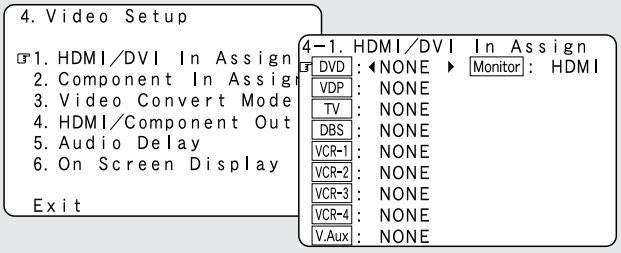
Setting the HDMI/DVI In Assignment

- The HDMI or DVI-D input terminals are assigned for the different input sources.
  Select HDMI or DVI-D for the monitor output terminal.
  Select the HDMI audio signal playback method.

1 **Press the CURSOR △ or ▽ button to select "Video Setup" at the "System Setup Menu", then press the ENTER button.**
- The "Video Setup" menu appears.



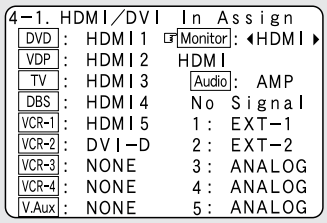
2 **Press the CURSOR △ or ▽ button to select "HDMI/DVI In Assign", then press the ENTER button.**
- The "HDMI/DVI In Assign" screen appears.



3 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select the input terminal.**

※ Select from among HDMI 1 to 5 and DVI-D.
※ If the same HDMI or DVI-D input terminal is selected, the setting for the input source that was previously assigned switches to "NONE".

4 **Press the CURSOR △ or ▽ button to select "Monitor", then press the CURSOR ◁ or ▷ button to select the monitor output terminal.**

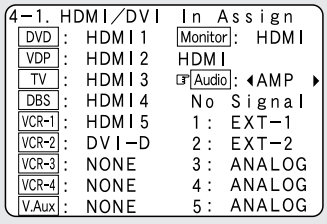


※ This setting can be switched directly using the **MONITOR SELECT** button on the main unit.

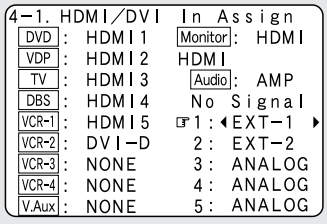
5 **Press the CURSOR △ or ▽ button to select "Audio", then press the CURSOR ◁ or ▷ button to select the method for playing the audio signals included in the HDMI input signal.**

AMP:
Play the audio signals on speakers connected to the AVR-5805CI.

TV:
Play the audio signals on a TV connected to the AVR-5805CI.



6 **Press the CURSOR △ or ▽ button to select the input (1 to 5), then press the CURSOR ◁ or ▷ button to select the analog input terminal (EXT. IN or ANALOG).**



※ If there is no HDMI audio signal or the audio signal of HDMI can not be reproduced, the signal automatically switches to the input from the set terminal.
※ 1~5 correspond to each HDMI 1~5 input terminal.

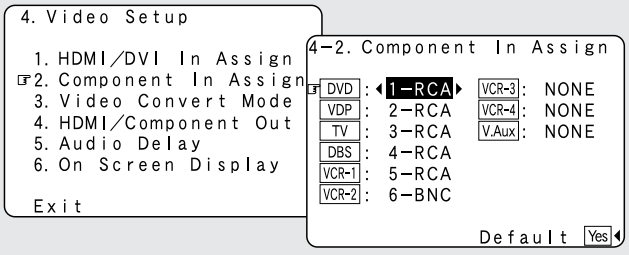
7 **Press the ENTER button to enter the setting.**
- The "Video Setup" menu reappears.

- Audio signals input from the analog and digital terminals are not output to the TV.
- With HDMI, the video and audio signals are transferred simultaneously. When HDMI is assigned to an input source, the digital audio input assignment switches to HDMI along with the video input.
  When this setting is made for input sources to which a digital audio input (DENON LINK, IEEE1394 etc.) is previously assigned, the digital audio assignment is set to HDMI.
  In this case, reassign the digital input using the procedure described at "Digital In Assign" (☞ page 104) and "IEEE1394 Assign" (☞ page 107).

Setting the Component In Assignment

- This assigns the component (color difference) video input terminals for the different input sources.

1 **Press the CURSOR △ or ▽ button to select "Component In Assign" at the "Video Setup" menu, then press the ENTER button.**
- The "Component In Assign" screen appears.



2 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select the component video input terminal.**

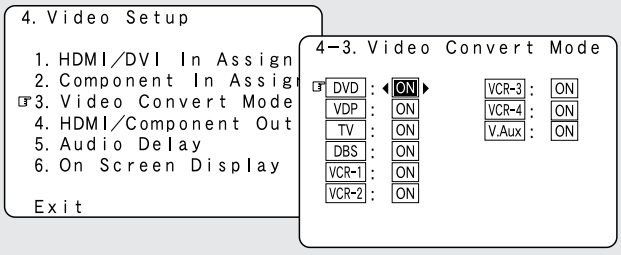
※ Select from among 1-RCA to 5-RCA and 6-BNC.
※ If the same component video input terminal is selected, the setting for the input source that was previously assigned switches to "NONE".
※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.

3 **Press the ENTER button to enter the setting.**
- The "Video Setup" menu reappears.

Setting the Video Convert Mode

- This sets whether or not to use the video conversion function.

1 **Press the CURSOR △ or ▽ button to select "Video Convert Mode" at the "Video Setup" menu, then press the ENTER button.**
- The "Video Convert Mode" screen appears.



2 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

ON:
When there are multiple input signals, the input signals are detected and the input signal to be output from the video monitor output terminal is selected automatically in the following order: component video, S-Video, composite video.

OFF:
The convert function does not operate.
In such cases, the input device's cable type must be the same as the type of cable connected to the AVR-5805CI's monitor output terminal (video, S-Video or component video).

3 **Press the ENTER button to enter the setting.**
- The "Video Setup" menu reappears.

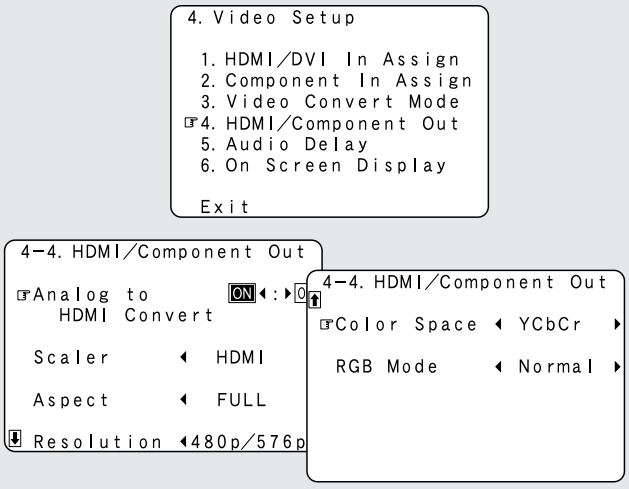
- Down-converting from the component video signal to the S-Video and composite video signal is possible only when the resolution of a component video signal is 480i / 576i.
- When a non-standard video signal from a game machine or some other source is input, the video conversion function might not operate. If this happens, please set the conversion mode to "OFF".
- When the video conversion function has been used, information such as that of text broadcasts which has been added to the video signal might not be output. If this happens, please set the conversion mode to "OFF".

Setting the HDMI/Component Out Setup

- Set the format of the signal up-converted to the HDMI monitor output or component video output terminal.

1 **Press the CURSOR △ or ▽ button to select "HDMI/Component Out" at the "Video Setup" menu, then press the ENTER button.**

- The "HDMI/Component Out" screen appears.



2 **Press the CURSOR △ or ▽ button to select the setting, then press the CURSOR ◁ or ▷ button to select the parameter.**

Analog to HDMI Convert:

- **ON:**
  Setting for converting analog video signals into HDMI signals.
- **OFF:**
  Setting for not converting analog video signals into HDMI signals.

Scaler:

- **HDMI:**
  The i/p scaler can be used when outputting the input analog video signal to the HDMI monitor output terminal.
- **Component:**
  The i/p scaler can be used when outputting the input analog video signal to the component video output terminal.

※ When "Analog to HDMI Convert" is set to "OFF", the "Scaler" setting is automatically set to "Component" and fixed there.

Aspect:

- **FULL:**
  The video is output while maintaining the aspect ratio of the input video.
  This mode is suited for playing back 16:9 video.
- **NORMAL:**
  A black band is added to the left and right of the input video and the video is output.
  This mode is suited for playing back 4:3 video.

Resolution:

- **480p/576p:**
  When the video signal being input is a video, S-Video or 480i/576i component video signal, the resolution is converted to 480p/576p and the signal is output from the HDMI MONITOR OUT terminal.
- **1080i:**
  When the video signal input is a video, S-Video or 480i/576i/480p/576p component video signal, the resolution is converted to 1080i and the signal is output from the HDMI MONITOR OUT terminal.
- **720p:**
  When the video signal input is a video, S-Video or 480i/576i/480p/576p component video signal, the resolution is converted to 720p and the signal is output from the HDMI MONITOR OUT terminal.
- **1080p:**
  The input video signal is converted to a resolution of 1080p for output.
  This cannot be selected when "Scaler" is set to "Component".
- **Through:**
  The video signal input is output as such from the HDMI MONITOR OUT terminal without being converted.

Color Space:

- **Y Cb Cr:**
  The Y Cb Cr format video signals is output via the HDMI output terminal.
- **RGB:**
  The RGB format video signals is output via the HDMI output terminal.

RGB Mode Setup:

- **Normal:**
  Signals are output via the HDMI output terminal with a digital RGB video range (data range) of 16 (black) to 235 (white).
- **Enhanced:**
  Signals are output via the HDMI output terminal with a digital RGB video range (data range) of 0 (black) to 255 (white).
  When the HDMI terminal is connected, the black may seem to stand out, depending on the TV or the monitor. In this case, set this to "Enhanced".

※ When "Y Cb Cr" is selected under "Color Space", "RGB Mode Setup" will have no effect.

※ The "Aspect" setting is valid when the resolution is set to 1080i, 720p or 1080p. To output with other resolutions, set the aspect ratio on the TV.

※ When "Through" is set, the signal is output with the same resolution as input from the video, S-Video and component video terminals.
The OSD, however, is output with a resolution of 480i, so use a monitor compatible with this resolution.

3 **Press the ENTER button to enter the setting.**

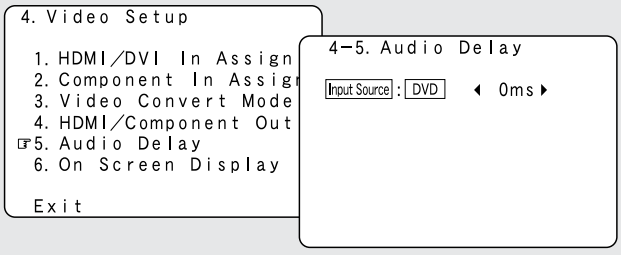
- The "Video Setup" menu reappears.

- "Color Space" and "RGB Mode Setup" are only displayed when "Analog to HDMI Convert" is set to "ON".
- When connecting to an HDCP compatible monitor equipped with DVI-D terminal using an HDMI/DVI-D converter cable, the signals are output in RGB format, regardless of the "Color Space" setting.
- To view the on screen display using an HDMI monitor, set "Analog to HDMI Convert" at "HDMI/Component Out" to "ON" (default).
- Set the resolution of the video output to one that is compatible with the resolution of your monitor.
- When "Scaler" is set to "Component" and the video input signal includes copyright protection data, the signal is output from the component video output terminal with a resolution of 480p/576p even if "Resolution" is set to "1080i" or "720p".

Setting the Audio Delay

- Set the audio delay timing to synchronize the sound and video.

1 **Press the CURSOR △ or ▽ button to select "Audio Delay" at the "Video Setup" menu, then press the ENTER button.**
- The "Audio Delay" screen appears.



2 **Press the CURSOR ◁ or ▷ button to set the delay time (0 ms ~ 200 ms).**

※ With a movie source, for example, adjust so that the movement of the actors' lips is synchronized with the sound.

3 **Press the ENTER button to enter the setting.**
- The "Video Setup" menu reappears.

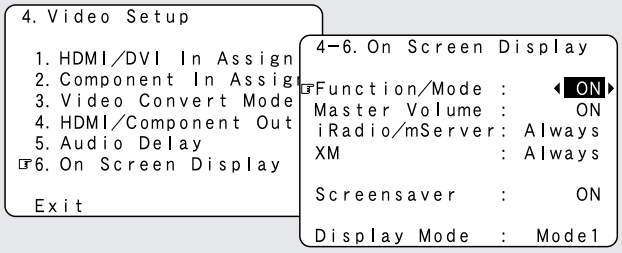
- The audio delay setting does not apply when playing in the EXT. IN mode or in the analog input DIRECT mode or STEREO mode (only when the crossover frequency is set to "FIXED–THX–" or front speaker is set to "Large" (TONE DEFEAT "ON", Room EQ "OFF").

Setting the On Screen Display (OSD)

- Use this to turn the on screen display (messages other than the menu screens) on or off.
- Sets the on screen display's display mode.

1 **Press the CURSOR △ or ▽ button to select "On Screen Display" at the "Video Setup" menu, then press the ENTER button.**

- The "On Screen Display" screen appears.



2 **Press the CURSOR △ or ▽ button to select the item to be set, then press the CURSOR ◁ or ▷ button to select the parameter.**

Function/Mode Status:
Set whether or not to turn on the on screen display of the input source name and input mode when an input source is selected.

Master Volume Status:
Set whether or not to turn on the on screen display of the main volume level when the main volume is operated.

iRadio/mServer:
Set the time for which the on screen display is displayed when performing Internet radio and Music server operations.

- **Always:** The on screen display is always on. (Default)
- **5sec:** The on screen display turns off 5 seconds after it turns on.
- **10sec:** The on screen display turns off 10 seconds after it turns on.
- **OFF:** The on screen display is not displayed.

XM:
Set the time for which the on screen display is displayed when performing XM operations.

- **Always:** The on screen display is always on. (Default)
- **5sec:** The on screen display turns off 5 seconds after it turns on.
- **10sec:** The on screen display turns off 10 seconds after it turns on.
- **OFF:** The on screen display is not displayed.

Screensaver:

- **ON:** The screensaver is launched if no operation is performed for approximately 3 minutes.
- **OFF:** The screensaver is not launched.

Display Mode:

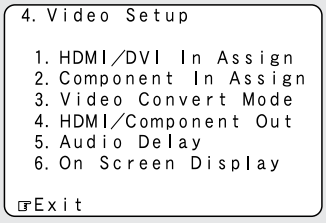
- **Mode 1:**
  Flickering is not prevented.
- **Mode 2:**
  Prevents flickering of the on screen display when there is no video signal.
  Use this mode if the on screen display does not appear in the Mode 1, as may happen according to the TV being used.

3 **Press the ENTER button to enter the setting.**

- The "Video Setup" menu reappears.

4 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

- The "System Setup Menu" reappears.



- The screensaver is launched while in the Internet radio, Music server or XM mode if the on screen display's display time is set to "Always".

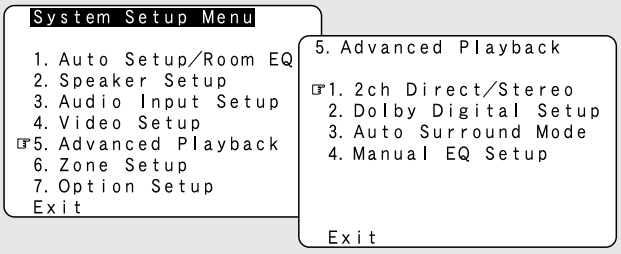
Advanced Playback

- Makes more detailed audio playback settings.

Setting the 2ch Direct/Stereo

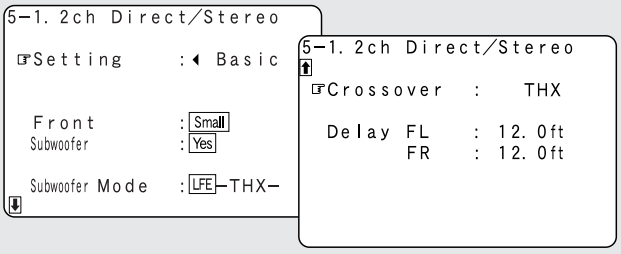
- The speaker settings can be changed specifically for playing in the 2 channel DIRECT or STEREO mode.

1 **Press the CURSOR △ or ▽ button to select "Advanced Playback" at the "System Setup Menu", then press the ENTER button.**
- The "Advanced Playback" menu appears.

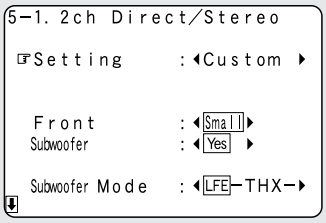


2 **Press the CURSOR △ or ▽ button to select "2ch Direct / Stereo", then press ENTER button.**
- The "2ch Direct/Stereo" screen appears.

Example: This screen is displayed in function of the settings made at "Speaker Configuration", "Subwoofer Setup", "Delay Time" and "Crossover Frequency"



3 **Press the CURSOR ◁ or ▷ button to select "Custom".**



4 **Press the CURSOR △ or ▽ button to select the item, then press CURSOR ◁ or ▷ button to set.**

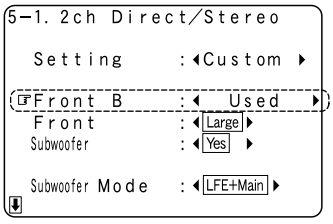
※ For a description of the settings for the different items, see pages 140 ~ 146.

5 **Press the ENTER button to enter the setting.**
- The "Advanced Playback" menu reappears.

■ Setting the front B speakers when the surround mode is set to the 2 channel Direct or Stereo

- When "Adv+Front B" is selected at "Power Amp Assign" and "Custom" is selected at this setting, the "Front B" setting is displayed.

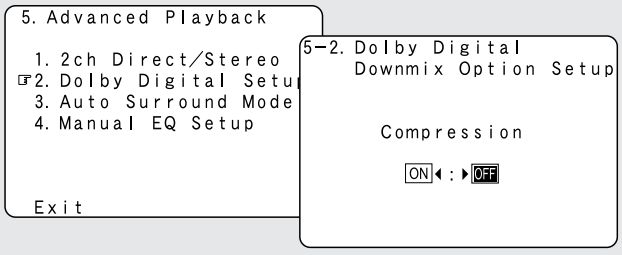
※ To play signals from the Front B speaker when in the 2 channel Direct or Stereo mode, set "Used".



Setting the Dolby Digital Setup

- Turn the audio compression on or off when down-mixing Dolby Digital signals.

1 **Press the CURSOR △ or ▽ button to select "Dolby Digital Setup" at the "Advanced Playback" menu, then press the ENTER button.**
- The "Dolby Digital Setup" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

ON:
The dynamic range is compressed automatically according to the combination of speakers being used.

OFF:
The dynamic range is not compressed.

※ Set "Compression" to "ON" if it seems that sound is distorted because the input level exceeds the allowable input for the front speakers.

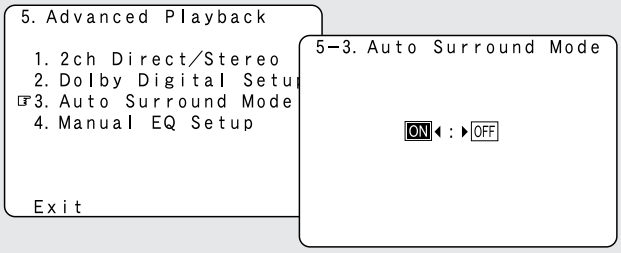
※ When a center speaker or surround speakers are not connected, the sounds in those channels are directed to the front speakers.

3 **Press the ENTER button to enter the setting.**
- The "Advanced Playback" menu reappears.

Setting the Auto Surround Mode

- The surround mode used at last for the four types of input signals shown below is stored in the memory, and the signal is automatically played with that surround mode the next time it is input.
  Note that the surround mode setting is also stored separately for the different input sources.
  ① Analog and PCM 2 channel signals (STEREO)
  ② 2 channel signals of Dolby Digital, DTS or other multi-channel format (DOLBY PLⅡx Cinema)
  ③ Multi-channel signals of Dolby Digital, DTS or other multi-channel format (DOLBY/DTS SURROUND)
  ④ PCM and DSD multi-channel signals other than Dolby Digital and DTS (MULTI CH IN)
  ※ Default settings are indicated in ( ).
  ※ During playback in the PURE DIRECT mode, the surround mode does not change even if the input signal is changed.

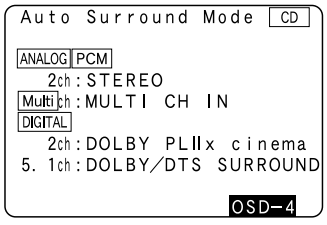
1 **Press the CURSOR △ or ▽ button to select "Auto Surround Mode" at the "Advanced Playback" menu, then press the ENTER button.**
- The "Auto Surround Mode" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "ON" if you want to use the auto surround mode, "OFF" if you do not want to use it.**

3 **Press the ENTER button to enter the setting.**
- The "Advanced Playback" menu reappears.

- The various settings applied in the auto surround mode can be checked via the on screen display. Simply press the **ON SCREEN** button (☞ page 52).

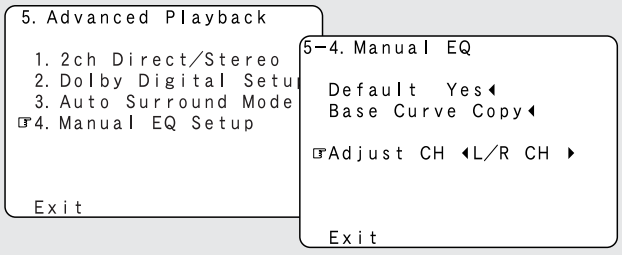


Setting the Manual EQ Setup

- Allows you to adjust the tonal quality of the various speakers (except the subwoofer) while listening to a music source.

1 Press the CURSOR △ or ▽ button to select "Manual EQ Setup" at the "Advanced Playback" menu, then press the ENTER button.

- The "Manual EQ" screen appears.



2 Press the CURSOR ◁ or ▷ button to select the adjustment mode, then press the ENTER button.

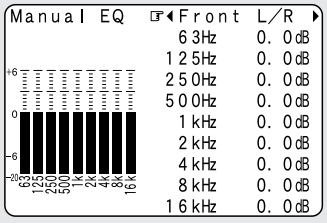
All CH:
All channels can be adjusted simultaneously.

L/R CH:
The left and right channels of the pair of speakers can be adjusted simultaneously.

Each CH:
The channels can be adjusted separately.

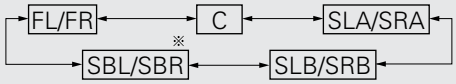
3 Press the CURSOR ◁ or ▷ button to select the speaker to be set.

Example: When "L/R CH" is selected.

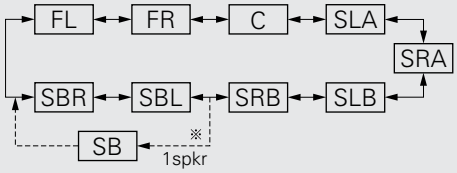


※ The display changes as follows.

① Select the "L/R CH"



② Select the "Each CH"



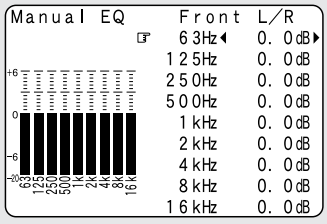
※ When the surround back speaker setting is set to "1spkr" at "Speaker Configuration", this is set to "SB".

③ Select the "All CH"
In this case, speaker selection is not performed.

※ If a value is already set for the FL channel, the data stored for the FL channel is displayed.

4 Press the CURSOR △ or ▽ button to select the frequency, then press the CURSOR ◁ or ▷ button to adjust the gain level.

※ Each frequency can be adjusted the range from –20.0 dB to +6.0 dB in 0.5 dB step.

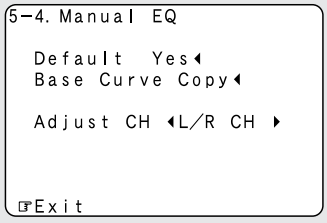


5 Press the ENTER button to enter the setting.

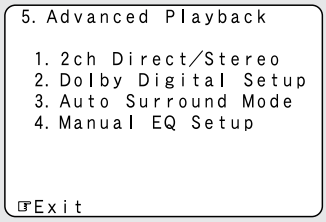
- The "Manual EQ" screen reappears.

6 Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.

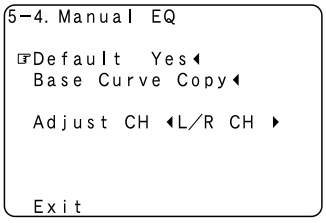
- The "Advanced Playback" menu reappears.



7 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "System Setup Menu" reappears.

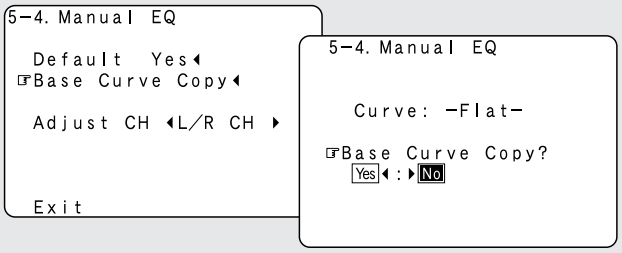


- "Base Curve Copy" is displayed after performing the Auto Setup.
- To restore the settings to their defaults, select "Default Yes ◀", then press the **CURSOR** ◁ button.

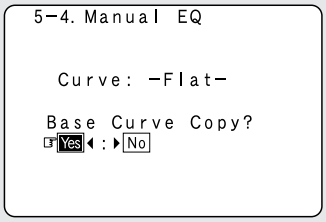


■ Procedure for copying the "Flat" correction curve

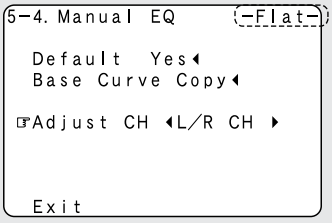
1 **Press the CURSOR △ button to select "Base Curve Copy", then press the CURSOR ◁ button.**
- Switch to the "Base Curve Copy" screen.



2 **Press the CURSOR ◁ button to select "Yes".**



3 **Press the ENTER button to enter the setting.**
- The "Manual EQ" screen reappears.



※ The type of the copied correction curve is displayed in the upper right of this screen.

- If the "Auto Setup" procedure has not been performed, this item is not displayed.

Zone Setup (ZONE2 = 5.1/7.1ch)

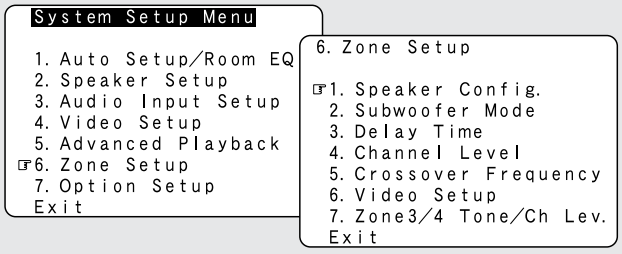
- Make the settings related to surround playback and video for ZONE2.
- Adjust the sound played in ZONE3 and ZONE4.

- When "STEREO" or "MONO" is selected for the ZONE2 channel output setting at "Channel Setup" (☞ page 126 ~ 128), the menu screen displayed differs. In this case, see the instructions starting at page 125.

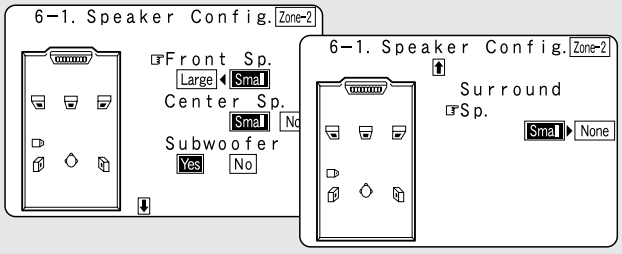
Setting the type of speakers for ZONE2

- Set the presence/absence of speaker combinations and the size in function of the low frequency reproduction capabilities when playing surround sound in ZONE2.

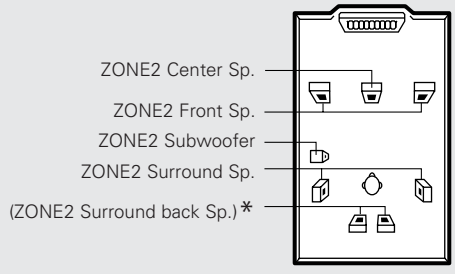
1 **Press the CURSOR △ or ▽ button to select "Zone Setup" at the "System Setup Menu", then press the ENTER button.**
- The "Zone Setup" menu appears.



2 **Press the CURSOR △ or ▽ button to select "Speaker Config.", then press the ENTER button.**
- The "Speaker Config." screen appears.



3 **Press the CURSOR △ or ▽ button to select the speaker, then press the CURSOR ◁ or ▷ button to select the parameter.**



* This is only displayed when "7.1ch" is selected for the ZONE2 channel output setting at "Channel Setup" (☞ page 126 ~ 128).

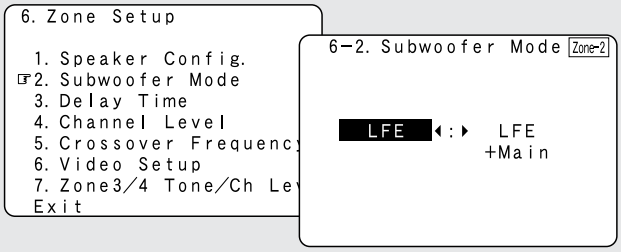
※ For a description of the different parameters (☞ page 141).

4 **Press the ENTER button to enter the setting.**
- The "Zone Setup" menu reappears.

Setting the low frequency distribution for ZONE2

- This selects the subwoofer used in ZONE2 for playing the low base sound.

1 **Press the CURSOR △ or ▽ button to select "Subwoofer Mode" at the "Zone Setup" menu, then press the ENTER button.**
- The "Subwoofer Mode" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the setting.**

LFE:
For any channel(s) that are set to LARGE, low frequencies in that channel's corresponding source are directed to that loudspeaker only. Low frequencies that are directed to the subwoofer(s) are from the program source LFE channel, and from other channels where the speakers are set to SMALL.

LFE+Main:
Low frequencies from speaker channels that have been set to LARGE are reproduced from those speakers as well as from the subwoofer(s). Depending upon the characteristics of the LARGE main speakers, this mode may provide a more even low frequency response throughout the listening room.

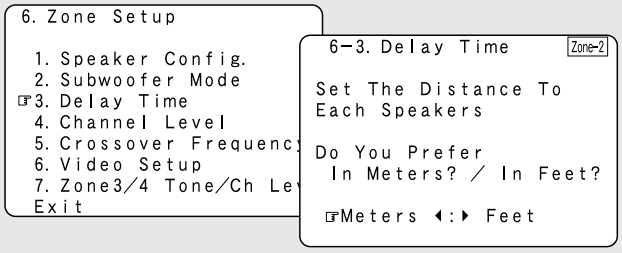
3 **Press the ENTER button to enter the setting.**
- The "Zone Setup" menu reappears.

- The subwoofer mode setting is only valid when "Large" is set for the ZONE2 front speakers and "Yes" is set for the subwoofer in the "Setting the type of speaker for ZONE2".

Setting the Delay Time for ZONE2

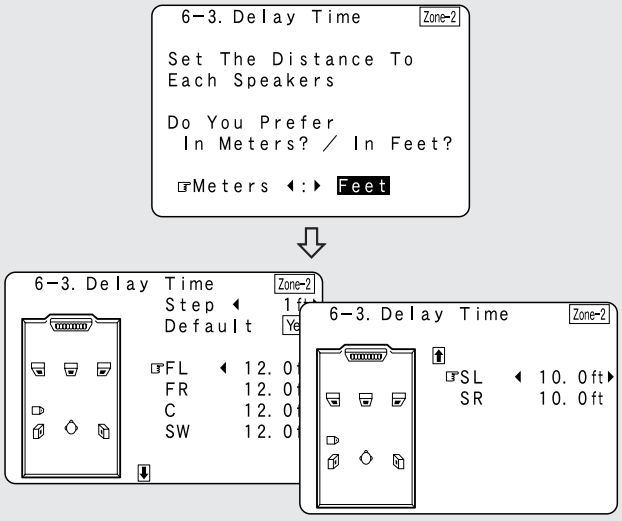
- This parameter is for optimizing the timing of the sound produced from the various speakers and subwoofer according to the listening position in ZONE2.

1 **Press the CURSOR △ or ▽ button to select "Delay Time" at the "Zone Setup" menu, then press the ENTER button.**
- The "Delay Time" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the desired unit, "Meters" or "Feet".**
- The "Delay Time" screen appears automatically.

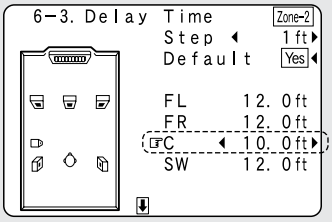
Example: When "Feet" is selected



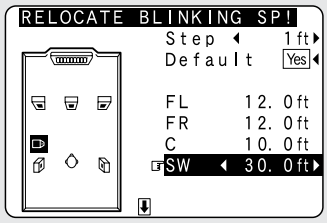
3 **Press the CURSOR △ or ▽ button to select the speaker to be set.**

4 **Press the CURSOR ◁ or ▷ button to set the distance between the center speaker and listening position.**

Example: When the distance is set to 10.0 feet for the center speaker



※ The distance changes in units of 1 foot or 0.1 foot each time the button is pressed. Select the value closest to the measured distance.
※ When "Step" is selected, you can select the unit of "1 ft (0.1 m)" or "0.1 ft (0.01 m)".
※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.
※ **The difference of the distances set for the various speakers must be 20.0 ft (6.0 m) or under. If an inappropriate distance is set, "RELOCATE BLINKING SP!" is displayed. In this case, move the relevant speaker to the proper position as indicated by the displayed value.**



5 **Press the ENTER button to enter the setting.**
- The "Zone Setup" menu reappears.

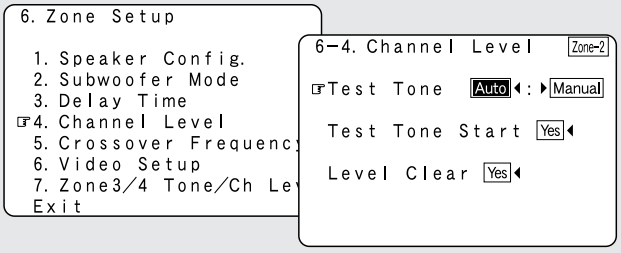
※ The AVR-5805CI automatically sets the optimum surround delay time for the ZONE2 listening room.

Setting the Channel Level for ZONE2

- Use this setting to adjust so that the playback level between the different channels of ZONE2 is equal.
- From the ZONE2 listening position, listen to the test tones produced from the speakers used in ZONE2 to adjust the level.
- The level can also be adjusted directly from the remote control unit (☞ page 95).

1 **Press the CURSOR △ or ▽ button to select "Channel Level" at the "Zone Setup" menu, then press the ENTER button.**

- The "Channel Level" screen appears.

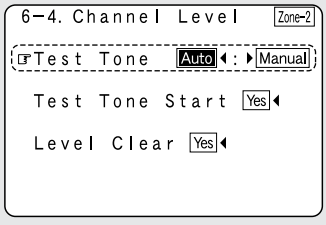


2 **Press the CURSOR ◁ or ▷ button to select "Auto" or "Manual".**

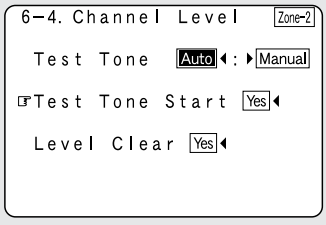
Auto:
Adjust the level while listening to the test tones produced automatically from each speaker.

Manual:
Select the speaker from which you want to produce the test tone to adjust the level.

Example: When the "Auto" mode is selected

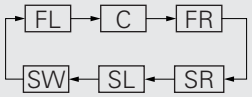


3 **Press the CURSOR △ or ▽ button to select "Test Tone Start", then press the CURSOR ◁ button to select "Yes".**

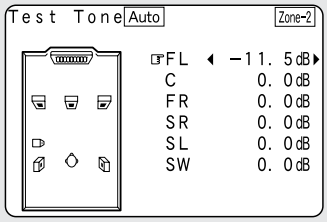


4-1 **When "Auto" mode is selected: Press the CURSOR ◁ or ▷ button to adjust all the speakers to the same volume.**

- The test tones are emitted from each speaker in the following order, at 4 seconds intervals the first time and second time around, 2 seconds intervals the third time around and on:



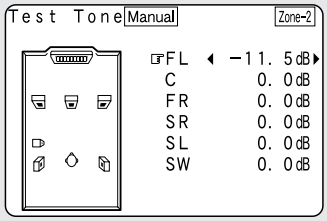
Example: When the volume is set to –11.5 dB while the test tone is being produced from the Front L ch speaker



※ The volume can be adjusted between –12.0 dB and +12.0 dB in units of 0.5 dB.

4-2 **When "Manual" mode is selected: Press the CURSOR △ or ▽ button to select the speaker used in ZONE2, then press the CURSOR ◁ or ▷ button to adjust all the speakers to the same volume.**

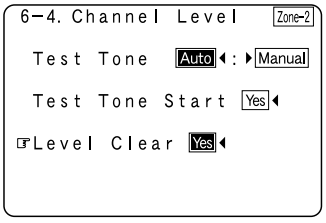
Example: "Manual" mode is selected.



5 **Press the ENTER button to enter the setting.**

- The "Channel Level" screen reappears.

- To cancel the settings, press the **CURSOR** ◁ button to select "Level Clear" and "Yes" on the "Channel Level" screen, then make the settings again.

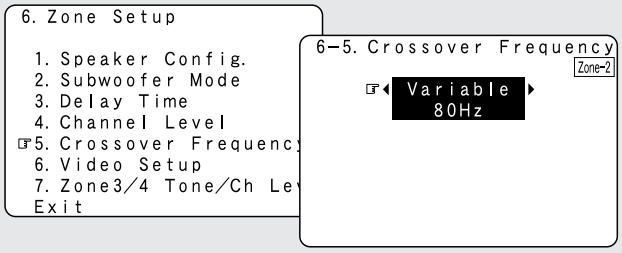


- When adjusting the level of an active subwoofer system, you may also need to adjust the subwoofer's own volume control.
- When you adjust the channel levels while in the SYSTEM SETUP CHANNEL LEVEL mode, the channel level adjustments made will affect all surround modes for ZONE2.
- After you have completed the SYSTEM SETUP CHANNEL LEVEL adjustments, you can then activate the individual surround modes and adjust channel levels that will be remembered for each of those modes. Then, whenever you activate a particular surround sound mode, your preferred channel level adjustments for just that mode will be recalled. Check the instructions for adjusting channel levels within each surround mode (☞ page 95, 96).
- You can adjust the channel levels for each of the following surround modes for ZONE2: STEREO, STANDARD (DOLBY/DTS SURROUND), 5/7 CH STEREO, WIDE SCREEN, SUPER STADIUM, ROCK ARENA, JAZZ CLUB, CLASSIC CONCERT, MONO MOVIE, VIDEO GAME, MATRIX and VIRTUAL.

Setting the Crossover Frequency for ZONE2

- Set the frequency (in Hz) below which deep bass appearing in the main channels will be routed to the ZONE2 subwoofer.

1 **Press the CURSOR △ or ▽ button to select "Crossover Frequency" at the "Zone Setup" menu, then press the ENTER button.**
- The "Crossover Frequency" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the frequency.**

VARIABLE 40, 60, 80, 100, 120, 150, 200, 250 Hz:
Set as desired according to your speakers' bass playback ability.

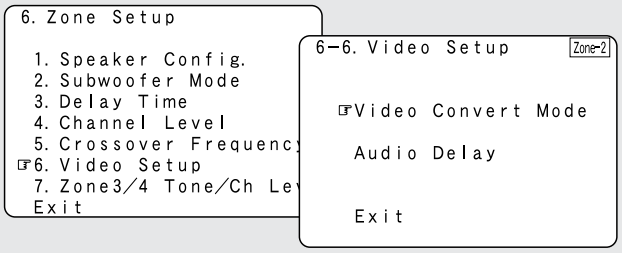
3 **Press the ENTER button to enter the setting.**
- The "Zone Setup" menu reappears.

- For the majority of home theater speaker systems, we recommend that the crossover frequency be set to 80 Hz. When using very compact speakers, however, it may be advantageous to select a higher crossover frequency. Check the specified low frequency limit of each speaker (usually published in the specifications tables in speaker owner's manuals).
- The crossover frequency mode is valid only when subwoofer is set to "Yes", and when one or more speakers are set to SMALL, as described in section "Setting the type of speakers for ZONE2" (☞ page 120).

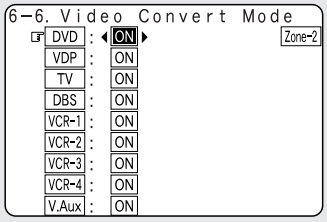
Setting the Video Setup for ZONE2

■ Video Convert Mode (ZONE2)
- This sets whether or not to use the video conversion function.

1 **Press the CURSOR △ or ▽ button to select "Video Setup" at the "Zone Setup" menu, then press the ENTER button.**
- The "Video Setup" screen appears.



2 **Press the CURSOR △ or ▽ button to select "Video Convert Mode", then press the ENTER button.**
- The "Video Convert Mode" screen appears.



3 **Press the CURSOR △ or ▽ button to select the ZONE2 input source, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

ON:
When there are multiple input signals for the input sources selected at ZONE2, the input signal is detected and the input signal output to the ZONE2's monitor output terminal is selected automatically, in the following order of priority: Component, S-Video, Composite.

OFF:
The convert function does not operate.
In such cases, the input device's cable type must be the same as the type of cable connected to the AVR-5805CI's monitor output terminal (video, S-Video or component video).

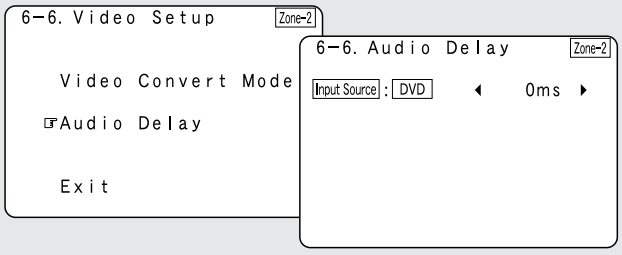
4 **Press the ENTER button to enter the setting.**
- The "Zone Setup" menu reappears.

■ Audio Delay (ZONE2)

- Set the delay time the sound is synchronized with the picture which are output in ZONE2.

1 **Press the CURSOR △ or ▽ button to select "Audio Delay" at the "Video Setup" menu, then press the ENTER button.**

- The "Audio Delay" screen appears.



2 **Press the CURSOR ◁ or ▷ button to set the delay time (0 ms ~ 200 ms).**

※ With a movie source, for example, adjust so that the movement of the actors' lips is synchronized with the sound.

3 **Press the ENTER button to enter the setting.**

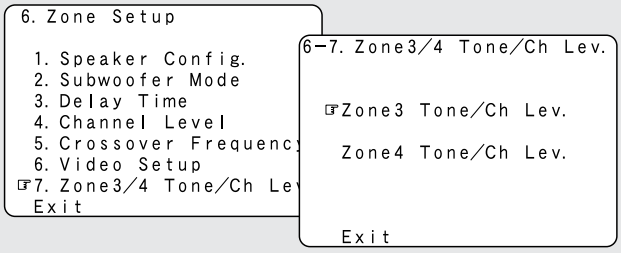
- The "Zone Setup" menu reappears.

Setting the ZONE3 and ZONE4 tone control and channel level

- Adjust the tone and channel level of the sound output from ZONE3 and ZONE4.

1 **Press the CURSOR △ or ▽ button to select "Zone3/4 Tone/Ch Lev." at the "Zone Setup" menu, then press the ENTER button.**

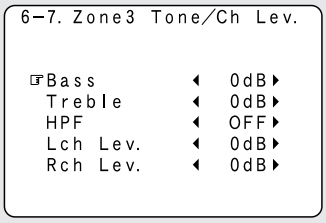
- The "Zone3/4 Tone/Ch Lev." screen appears.



2 **Press the CURSOR △ or ▽ button to select the zone whose sound you want to adjust (ZONE3, ZONE4), then press the ENTER button.**

- Switch to the setting screen.

Example: When "Zone3" is selected



3 **Press the CURSOR △ or ▽ button to select the item to be set, then press the CURSOR ◁ or ▷ button to adjust the parameter.**

Bass:
Adjust the tone for the bass. (The bass sound can be adjusted between –12 dB and +12 dB in steps of 2.0 dB.)

Treble:
Adjust the tone for the treble. (The treble sound can be adjusted between –12 dB and +12 dB in steps of 2.0 dB.)

HPF:
Set this to "ON" if your speakers do not have a very strong capacity for producing low bass. Using the high pass filter makes it possible to reduce distortion of the bass sound.

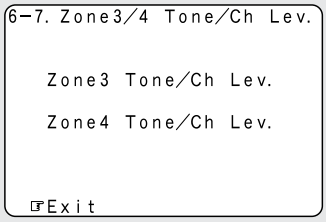
Channel Level:
Set so that the playback level is the same for the left and right channels. (The volume can adjusted between –12 dB and +12 dB in steps of 1.0 dB.)

4 **Press the ENTER button.**

- The "Zone3/4 Tone/Ch Lev." screen reappears.

※ Use the same procedure to make the settings for ZONE4.

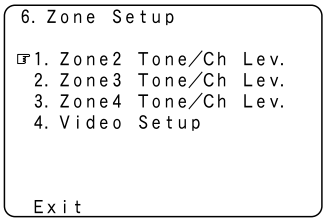
5 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "Zone Setup" menu reappears.



6 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "System Setup Menu" reappears.

■ "Zone Setup" setting when ZONE2 is set to "STEREO" or "MONO"

- The "Zone Setup" screen shown below is displayed when "STEREO" or "MONO" is selected for the ZONE2 channel setting at "Channel Setup".



- "ZONE2 Tone/Ch Lev." can be set in the same way as "ZONE3/ZONE4 Tone/Ch Lev.".
- For instructions on the "Video Setup" (item 4) (☞ page 123, 124).

Option Setup

- Make other expert settings.

Setting the Channel Setup

- With this setting it is possible to change the number of channels played in the different zones according to the purpose.
  The AVR-5805CI is equipped with pre-out terminals for a total of 22 channels.
  16 channel of these pre-out terminals can be assigned between the MAIN ZONE and ZONE2 (Theater). In addition, up to three channels of subwoofers can be added to the MAIN ZONE, so subwoofers can be set in the front and back or at the sides. The number of channels output from the pre-out terminals exclusively for ZONE2, 3 and 4 can be set to "MONO" or "STEREO" according to the method of playback in the various multi-zones.

■ Channel setup flow

Set the number of channels for the MAIN ZONE's main channel.

↓

Set the number of subwoofer channels for the MAIN ZONE.

↓

The number of channels that can be set for ZONE2 depends of the number of channels in the MAIN ZONE. See the table on page 127.

↓

Set the number of channels for the ZONE2.

↓

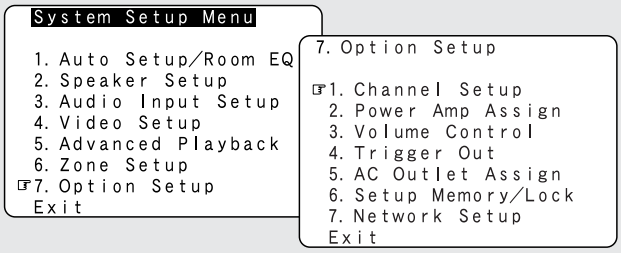
Set the number of channels for the ZONE3.

↓

Set the number of channels for the ZONE4.

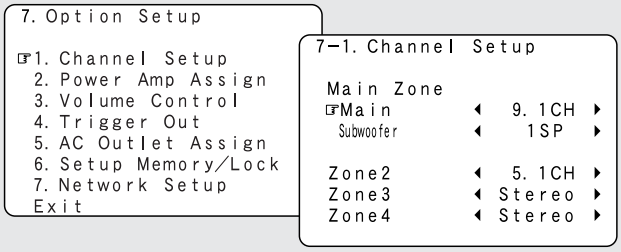
1 **Press the CURSOR △ or ▽ button to select "Option Setup" at the "System Setup Menu", then press the ENTER button.**

- The "Option Setup" menu appears.



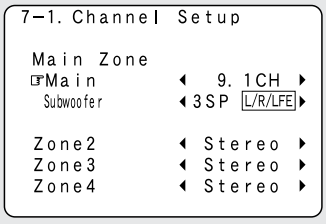
2 **Press the CURSOR △ or ▽ button to select "Channel Setup", then press the ENTER button.**

- The "Channel Setup" screen appears.



3 **Press the CURSOR △ or ▽ button to select the zone, then press the CURSOR ◁ or ▷ button to select the channel setting.**

※ Refer to the table on page 127.



4 **Press the ENTER button to enter the setting.**

- The "Option Setup" menu reappears.

■ The number of channels that can be selected for the different zones is as shown below.

MAIN ZONE		ZONE2	ZONE3	ZONE4
Main	Subwoofer			
9.1 CH	1 SP	5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
	2 SP	STEREO / MONO	STEREO / MONO	STEREO / MONO
	3 SP	STEREO / MONO	STEREO / MONO	STEREO / MONO
7.1 CH	1 SP	7.1 CH / 5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
	2 SP	5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
	3 SP	5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
5.1 CH	1 SP	7.1 CH / 5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
	2 SP	7.1 CH / 5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO
	3 SP	7.1 CH / 5.1 CH / STEREO / MONO	STEREO / MONO	STEREO / MONO

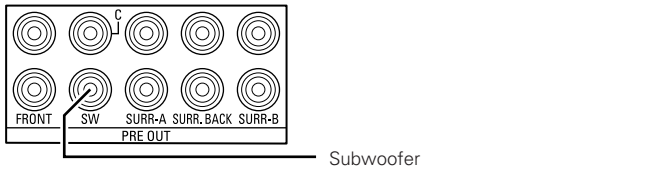
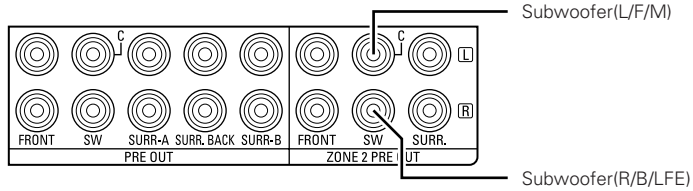
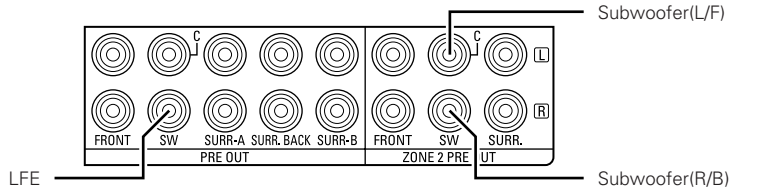
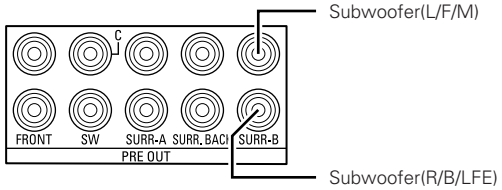
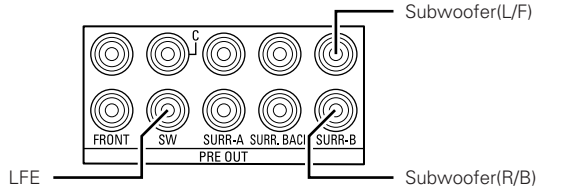
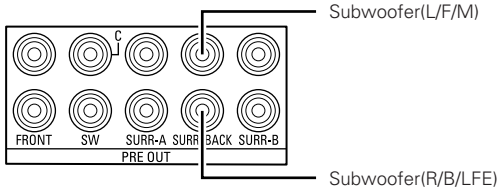
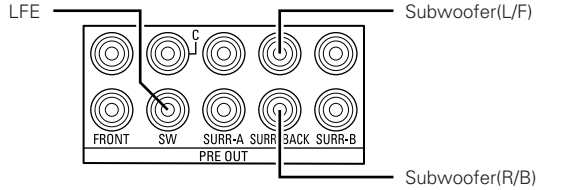
NOTE:
- The channel settings that can be selected for ZONE2 depend on the channel settings for the MAIN ZONE.

■ The subwoofer output composition is as shown below.

Subwoofer	Output Composition	
1 SP	–	Select this when only one subwoofer is connected.
2 SP	L/R	Select this when subwoofers are installed on the left and right.
	F/B	Select this when subwoofers are installed at the front and rear.
	LFE/M	Select this to use the subwoofer for both the main channel's low frequencies and for LFE low frequencies.
3 SP	L/R/LFE	Select this when subwoofers are installed on the left and right and you are using a subwoofer specifically for the LFE.
	F/B/LFE	Select this when subwoofers are installed at the front and rear and you are using a subwoofer specifically for the LFE.

■ Connecting the preouts

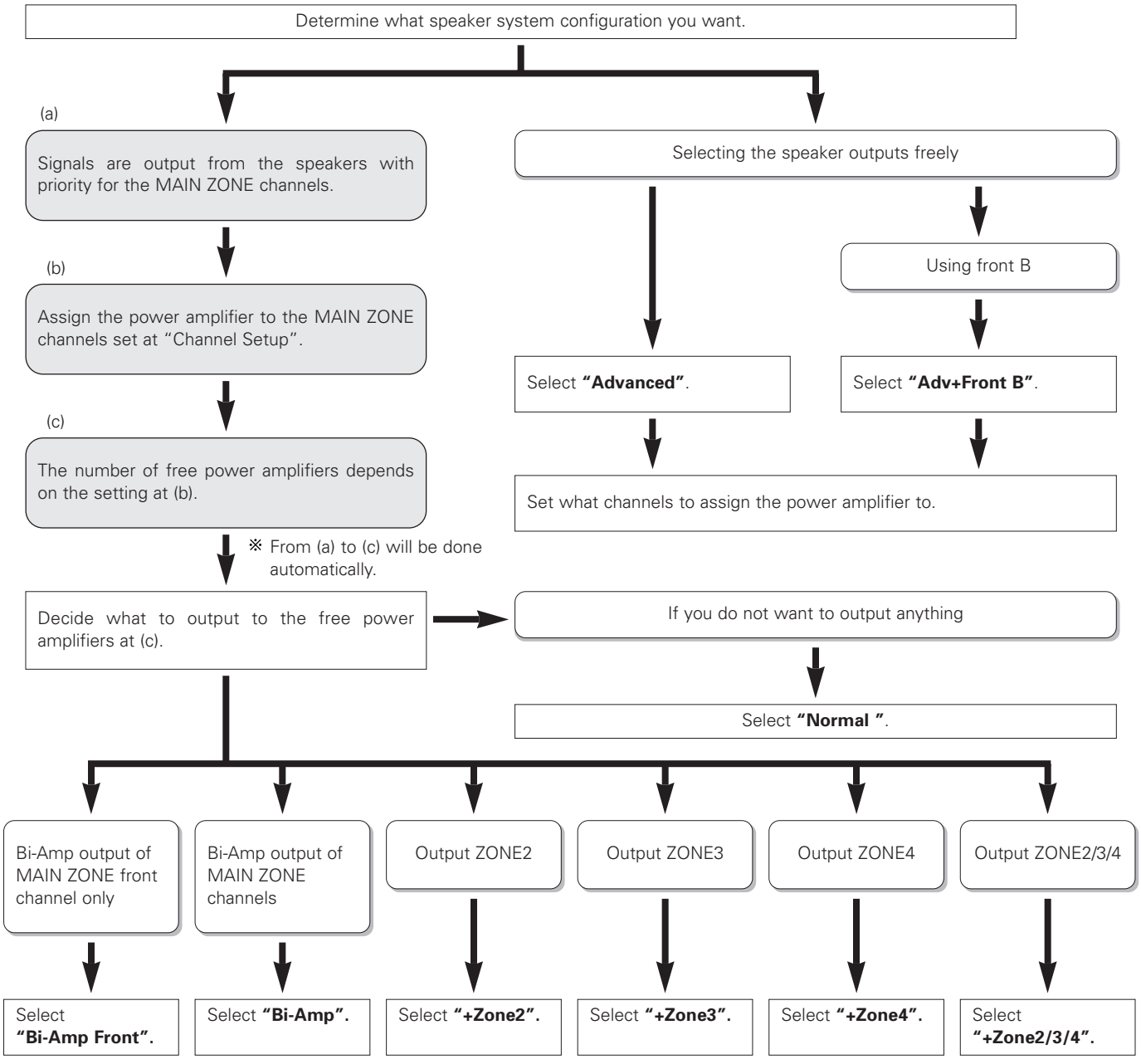
The pre-out terminals used to connect the subwoofer depends on the MAIN ZONE's channel setup. Connect as shown on the diagram below.

Channel Setup		Connection
Main	Subwoofer	
9.1 CH / 7.1 CH / 5.1 CH	1 SP	
9.1 CH	2 SP	
	3 SP	
7.1 CH	2 SP	
	3 SP	
5.1 CH	2 SP	
	3 SP	

Setting the Power Amplifier Assignment

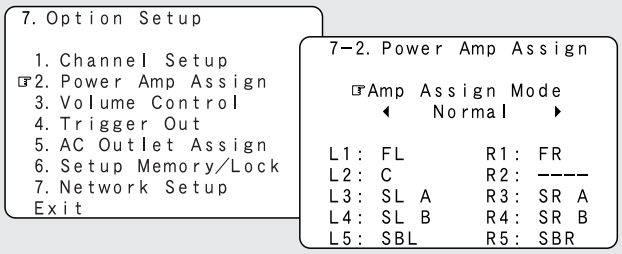
- With the AVR-5805CI's 10-channel power amplifier, it is possible to select 10 channels worth of signals (not including the subwoofer signals output from the pre-out terminals) to be output from the speakers. This makes it possible to put together various speaker systems. The channels can be selected freely, so "L1" to "L5" and "R1" to "R5" are indicated on the speaker terminals on the AVR-5805CI's rear panel.
- The channels for which the power amplifier can be assigned differ according to the channel settings made at "Channel Setup" (☞ page 126 ~ 128).

■ Power amplifier assignment flow



1 Press the CURSOR △ or ▽ button to select "Power Amp Assign" at the "Option Setup" menu, then press the ENTER button.

• The "Power Amp Assign" screen appears.



2 Press the CURSOR ◁ or ▷ button to select the Amp Assign mode according to the speaker system you want to achieve.

Normal:
This is the recommended amplifier assignment mode. Normally select this when not conducting the power amplifier assignment.
By default, this is set to "Normal".

Advanced:
With this mode, the power amplifiers can be assigned freely to the desired channels according to the speaker system you are using.

Adv+Front B:
With this mode, the power amplifiers can be assigned freely to the desired channels and front B.

※ The following modes can be selected when there are power amplifiers that are free with respect to the recommended amplifier assignment mode ("Normal").

+Zone2:
This mode is the setting of the status in which the power amplifier is assigned to the ZONE2 output channel.

+Zone3:
This mode is the setting of the status in which the power amplifier is assigned to the ZONE3 output channel.

+Zone4:
This mode is the setting of the status in which the power amplifier is assigned to the ZONE4 output channel.

+Zone2/3:
This mode is the setting of the status in which the power amplifier is assigned simultaneously to the ZONE2 and 3 output channels.

+Zone3/4:
This mode is the setting of the status in which the power amplifier is assigned simultaneously to the ZONE3 and 4 output channels.

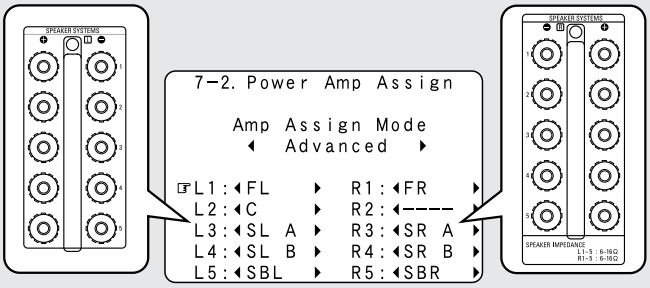
+Zone2/4:
This mode is the setting of the status in which the power amplifier is assigned simultaneously to the ZONE2 and 4 output channels.

+Zone2/3/4:
This mode is the setting of the status in which the power amplifier is assigned simultaneously to the ZONE2, 3 and 4 output channels.

Bi-Amp+Front:
This mode is the setting for playing the front channel with bi–amp connections.

Bi-Amp:
This mode is the setting for playing the front, center and surround channels with bi–amp connections.

※ When "Advanced" or "Adv+Front B" is selected, the power amplifiers can be assigned freely to the desired channels.



3 When "Advanced" or "Adv+Front B" is selected: Press the CURSOR △ or ▽ button to select the power amplifier to be assigned, then press the CURSOR ◁ or ▷ button to select which channel to assigned the amplifier to.

4 Press the ENTER button to enter the setting.

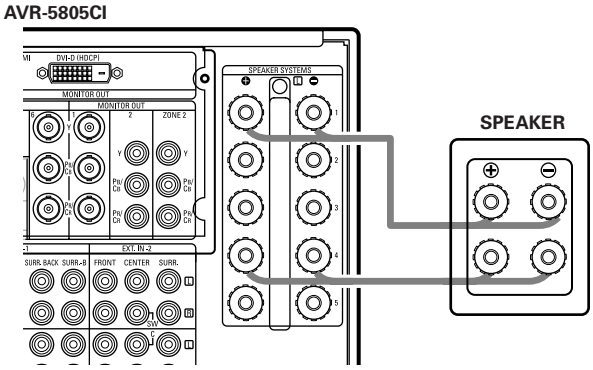
• The "Option Setup" menu reappears.

- The amplifier assignment modes that can be selected differ according to the channel settings made at "Channel Setup" (☞ page 126 ~ 128).
- The status in which power amplifiers are assigned to output channels in the different amplifier assignment modes differs according to the channel settings for the different zones (☞ page 131, 132).
- If the "Advanced" or "Adv+Front B" amplifier assignment mode is selected, the channels to which power amplifiers can be assigned differ according to the channel settings for the different zones (☞ page 133).

Bi-Amp connections

Certain loudspeakers are equipped with two sets of input terminals, for bi-amplification. The AVR-5805CI Amp Assign mode allows you to power bi-amp-capable speakers with two amplifier channels, up to a total of 5 bi-amplified speakers in a system using all 10 of the AVR-5805CI amplifier channels. Be sure to consult the operating instructions of your bi-amp-capable speakers for further information before proceeding.

NOTE:
- **When making bi-amp connections, be sure to remove the short-circuiting bar included with the speaker.**



■ Table of power amplifier assignment modes with respect to the channel settings for the different zones and assignment modes

- Amp Assign mode: Normal

Channel Setup →	MAIN ZONE	9.1 CH				7.1 CH				5.1 CH			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	–	L2	C	R2	–	L2	C	R2	–
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	SL B	R4	SR B	L4	–	R4	–	L4	–	R4	–
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	–	R5	–

- Amp Assign mode: +ZONE2

Channel Setup →	MAIN ZONE	9.1 CH				7.1 CH								5.1 CH											
	ZONE2	MONO				STEREO				MONO				5.1 CH				STEREO				MONO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z2 M	L2	C	R2	–	L2	C	R2	Z2 M	L2	C	R2	Z2 C	L2	C	R2	–	L2	C	R2	Z2 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	SL B	R4	SR B	L4	Z2 L	R4	Z2 R	L4	–	R4	–	L4	Z2 FL	R4	Z2 FR	L4	Z2 L	R4	Z2 R	L4	–	R4	–
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	Z2 SL	R5	Z2 SR	L5	–	R5	–	L5	–	R5	–

- Amp Assign mode: +ZONE3

Channel Setup →	MAIN ZONE	9.1 CH				7.1 CH								5.1 CH							
	ZONE3	MONO				STEREO				MONO				STEREO				MONO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z3 M	L2	C	R2	–	L2	C	R2	Z3 M	L2	C	R2	–	L2	C	R2	Z3 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	SL B	R4	SR B	L4	Z3 L	R4	Z3 R	L4	–	R4	–	L4	Z3 L	R4	Z3 R	L4	–	R4	–
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	–	R5	–	L5	–	R5	–

- Amp Assign mode: +ZONE4

Channel Setup →	MAIN ZONE	9.1 CH				7.1 CH								5.1 CH							
	ZONE4	MONO				STEREO				MONO				STEREO				MONO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z4 M	L2	C	R2	–	L2	C	R2	Z4 M	L2	C	R2	–	L2	C	R2	Z4 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	SL B	R4	SR B	L4	Z4 L	R4	Z4 R	L4	–	R4	–	L4	Z4 L	R4	Z4 R	L4	–	R4	–
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	–	R5	–	L5	–	R5	–

Advanced Setup – Part 1

- Amp Assign mode: +ZONE2/3

Channel Setup →	MAIN ZONE	7.1 CH												5.1 CH											
	ZONE2	STEREO				MONO				MONO				STEREO				STEREO				MONO			
	ZONE3	MONO				STEREO				MONO				STEREO				MONO				STEREO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z3 M	L2	C	R2	Z2 M	L2	C	R2	Z3 M	L2	C	R2	–	L2	C	R2	Z3 M	L2	C	R2	Z2 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	Z2 L	R4	Z2 R	L4	Z3 L	R4	Z3 R	L4	Z2 M	R4	–	L4	Z2 L	R4	Z2 R	L4	Z2 L	R4	Z2 R	L4	Z3 L	R4	Z3 R
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	Z3 L	R5	Z3 R	L5	–	R5	–	L5	–	R5	–

Channel Setup →	MAIN ZONE	7.1 CH												5.1 CH											
	ZONE3	STEREO				MONO				MONO				STEREO				STEREO				MONO			
	ZONE4	MONO				STEREO				MONO				STEREO				MONO				STEREO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z4 M	L2	C	R2	Z3 M	L2	C	R2	Z4 M	L2	C	R2	–	L2	C	R2	Z4 M	L2	C	R2	Z3 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	Z3 L	R4	Z3 R	L4	Z4 L	R4	Z4 R	L4	Z3 M	R4	–	L4	Z3 L	R4	Z3 R	L4	Z3 L	R4	Z3 R	L4	Z4 L	R4	Z4 R
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	Z4 L	R5	Z4 R	L5	–	R5	–	L5	–	R5	–

- Amp Assign mode: +ZONE2/4

Channel Setup →	MAIN ZONE	7.1 CH												5.1 CH											
	ZONE2	STEREO				MONO				MONO				STEREO				STEREO				MONO			
	ZONE4	MONO				STEREO				MONO				STEREO				MONO				STEREO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z4 M	L2	C	R2	Z2 M	L2	C	R2	Z4 M	L2	C	R2	–	L2	C	R2	Z4 M	L2	C	R2	Z2 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	Z2 L	R4	Z2 R	L4	Z4 L	R4	Z4 R	L4	Z2 M	R4	–	L4	Z2 L	R4	Z2 R	L4	Z2 L	R4	Z2 R	L4	Z4 L	R4	Z4 R
		L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	SBL	R5	SBR	L5	Z4 L	R5	Z4 R	L5	–	R5	–	L5	–	R5	–

- Amp Assign mode: +ZONE2/3/4

Channel Setup →	MAIN ZONE	7.1 CH				5.1 CH																							
	ZONE2	MONO				STEREO				STEREO				MONO				STEREO				MONO				MONO				MONO			
	ZONE3	MONO				STEREO				MONO				STEREO				MONO				STEREO				MONO				MONO			
	ZONE4	MONO				MONO				STEREO				STEREO				MONO				MONO				STEREO				MONO			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	Z2 M	L2	C	R2	Z4 M	L2	C	R2	Z3 M	L2	C	R2	Z2 M	L2	C	R2	Z3 M	L2	C	R2	Z2 M	L2	C	R2	Z2 M	L2	C	R2	Z2 M
		L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	Z3 M	R4	Z4 M	L4	Z2 L	R4	Z2 R	L4	Z2 L	R4	Z2 R	L4	Z3 L	R4	Z3 R	L4	Z2 L	R4	Z2 R	L4	Z3 L	R4	Z3 R	L4	Z4 L	R4	Z4 R	L4	Z3 M	R4	Z4 M
		L5	SBL	R5	SBR	L5	Z3 L	R5	Z3 R	L5	Z4 L	R5	Z4 R	L5	Z4 L	R5	Z4 R	L5	Z4 M	R5	–	L5	Z4 M	R5	–	L5	Z3 M	R5	–	L5	–	R5	–

- Amp Assign mode: Bi-Amp Front

Channel Setup →	MAIN ZONE	7.1 CH				5.1 CH			
Power Amp Assign		L1	FL	R1	FR	L1	FL	R1	FR
		L2	C	R2	–	L2	C	R2	–
		L3	SL A	R3	SR A	L3	SL A	R3	SR A
		L4	FL	R4	FR	L4	FL	R4	FR
		L5	SBL	R5	SBR	L5	–	R5	–

- Amp Assign mode: Bi-Amp

Channel Setup →	MAIN ZONE	5.1 CH			
Power Amp Assign		L1	FL	R1	FR
		L2	C	R2	C
		L3	SL A	R3	SR A
		L4	FL	R4	FR
		L5	SL A	R5	SR A

■ Table of channels to which power amplifiers can be assigned with respect to the channel settings for the different zones and the amplifier assignment modes

• Amp Assign mode: Advanced

Channel Setup ↓		ASSIGNABLE CHANNEL
MAIN ZONE	ZONE2	
9.1 CH	5.1CH	FL, FR, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL, FR, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL, FR, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R
7.1 CH	7.1CH	FL, FR, C, SL A, SR A, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z2 SBL, Z2 SBR, Z3 L, Z3 R, Z4 L, Z4 R
	5.1CH	FL, FR, C, SL A, SR A, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL, FR, C, SL A, SR A, SBL, SBR, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL, FR, C, SL A, SR A, SBL, SBR, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R
5.1 CH	7.1CH	FL, FR, C, SL A, SR A, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z2 SBL, Z2 SBR, Z3 L, Z3 R, Z4 L, Z4 R
	5.1CH	FL, FR, C, SL A, SR A, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL, FR, C, SL A, SR A, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL, FR, C, SL A, SR A, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R

• Amp Assign mode: Adv+Front B

Channel Setup ↓		ASSIGNABLE CHANNEL
MAIN ZONE	ZONE2	
9.1 CH	5.1CH	FL A, FR A, FL B, FR B, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL A, FR A, FL B, FR B, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL A, FR A, FL B, FR B, C, SL A, SR A, SL B, SR B, SBL, SBR, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R
7.1 CH	7.1CH	FL A, FR A, FL B, FR B, C, SL A, SR A, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z2 SBL, Z2 SBR, Z3 L, Z3 R, Z4 L, Z4 R
	5.1CH	FL A, FR A, FL B, FR B, C, SL A, SR A, SBL, SBR, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL A, FR A, FL B, FR B, C, SL A, SR A, SBL, SBR, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL A, FR A, FL B, FR B, C, SL A, SR A, SBL, SBR, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R
5.1 CH	7.1CH	FL A, FR A, FL B, FR B, C, SL A, SR A, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z2 SBL, Z2 SBR, Z3 L, Z3 R, Z4 L, Z4 R
	5.1CH	FL A, FR A, FL B, FR B, C, SL A, SR A, Z2 FL, Z2 FR, Z2 C, Z2 SL, Z2 SR, Z3 L, Z3 R, Z4 L, Z4 R
	STEREO	FL A, FR A, FL B, FR B, C, SL A, SR A, Z2 L, Z2 R, Z3 L, Z3 R, Z4 L, Z4 R
	MONO	FL A, FR A, FL B, FR B, C, SL A, SR A, Z2 M, Z3 L, Z3 R, Z4 L, Z4 R

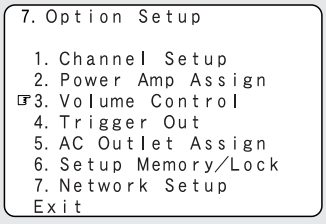
※ The above is an example of the selectable channels when "STEREO" is set for the ZONE3 and 4 channel setting.
If "MONO" is selected, "Z3 M" and "Z4 M" are displayed.

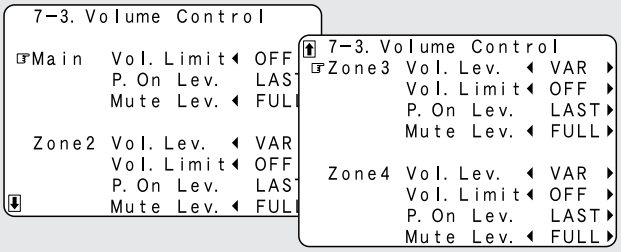
Setting the Volume Control

- Set the upper limit for the volume, the volume level when the power is turned on, and the volume level when the mute mode is set for the each zones.

1 Press the CURSOR △ or ▽ button to select "Volume Control" at the "Option Setup" menu, then press the ENTER button.

- The "Volume Control" screen appears.





2 Press the CURSOR △ or ▽ button to select the desired setting, then press the CURSOR ◁ or ▷ button to select the parameter.

Volume Limit:

Set the upper limit for the volume for the different zones.

- **–20 dB, –10 dB, 0 dB:**
  The volume cannot be increased above the selected levels.
- **OFF:**
  If you do not want to set a volume limit, select "OFF".
  In this case, the volume can be set to the AVR-5805CI's maximum volume (output) level of +18 dB, which is extremely loud.

Power On Level:

Set the volume that is set when the power is turned on for the different zones.
You can adjust the volume level within the range of –80 to +18 dB in steps of 1.0 dB.

- **– – –** (Mute)
  The volume is always muted when the power is turned on.
- **LAST**
  The volume set when the AVR-5805CI was last used is stored in the memory and set when the power is turned on.

Mute Level:

Set the volume attenuation level when the mute mode is set for the different zones.

- **FULL**
  The volume is fully muted.
- **–40 dB**
  The volume is lowered 40 dB from the current level.
- **–20 dB**
  The volume is lowered 20 dB from the current level.

Volume Level:

Set whether to fix the output level for the different zones or make it variable.

- **VAR** (variable)
  The level can be adjusted freely using buttons on the remote control unit.
- **–40 dB, 0 dB**
  The output level is fixed at the set level and the volume can no longer be adjusted.

3 Press the ENTER button to enter the setting.

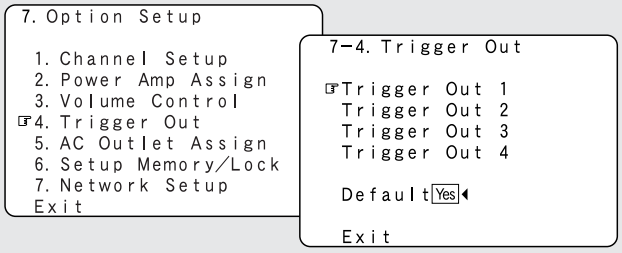
- The "Option Setup" menu reappears.

- For ZONE2, ZONE3 and ZONE4 the "Volume Limit" and "Power On Level" can be set when "Variable" is selected for "Volume Level".
- When the power amplifier is assigned to either of the ZONE2, ZONE3 and ZONE4 channels at "Power Amp Assign", "–VAR–" (only variable) is displayed and the fixed level cannot be set.

Setting the Trigger Out

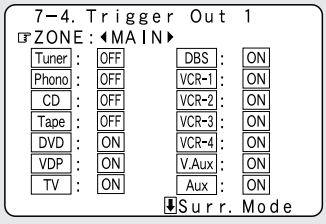
- Four 12 V DC Trigger Outputs on the rear panel can be used to control other devices with compatible trigger inputs, such as motorized screens, motorized screen masking, motorized drapes, and other trigger-controlled devices.
- Set the DC output supplied from the trigger out jacks for the various input sources to "ON" or "OFF".

1 **Press the CURSOR △ or ▽ button to select "Trigger Out" at the "Option Setup" menu, then press the ENTER button.**
- The "Trigger Out" screen appears.



2 **Press the CURSOR △ or ▽ button to select the trigger out terminal you want to set, then press the ENTER button.**
- Switch to the setting screen.

Example: When "Trigger Out 1" is selected



3 **Press the CURSOR ◁ or ▷ button to select the zone (MAIN ZONE, ZONE2, ZONE3 and ZONE4).**

※ The power supplied from the trigger out terminal turns on and off when the power for the set zone is turned on and off.

4 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

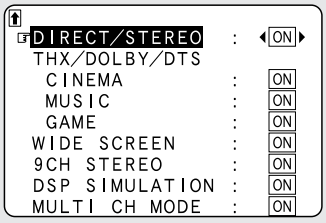
ON:
When that input source is selected, the power supplied from the trigger out terminal turns on.

OFF:
When that input source is selected, the power supplied from the trigger out terminal turns off.

5 **If "MAIN" was selected at step 3:**
Press the CURSOR △ or ▽ button to select the surround mode, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".

ON:
If "ON" is selected when an input source set to "ON" is selected, the power supplied from the trigger out terminal turns on.

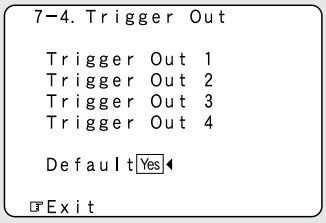
OFF:
If "OFF" is selected when an input source set to "ON" is selected, the power supplied from the trigger out terminal turns off.



6 **Press the ENTER button.**
- The "Trigger Out" screen reappears.

※ Use the same procedure to make the settings for Trigger Out 2, 3, 4.

7 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "Option Setup" menu reappears.

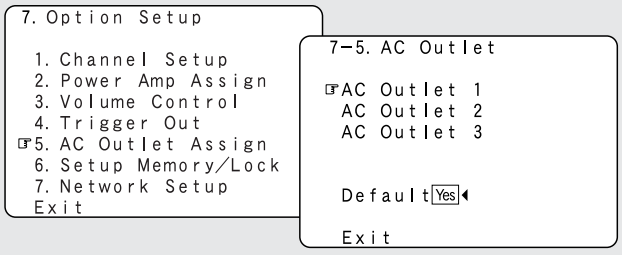


※ When "Default Yes" is selected, then press the CURSOR ◁ button to reset to the default values.

Setting the AC Outlet Assignment

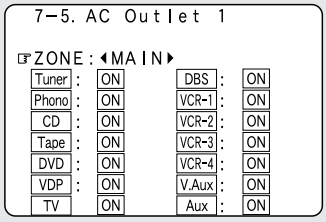
- This sets the AC outlet to on or off for the different input sources.

1 **Press the CURSOR △ or ▽ button to select "AC Outlet Assign" at the "Option Setup" menu, then press the ENTER button.**
- The "AC Outlet Assign" screen appears.



2 **Press the CURSOR △ or ▽ button to select the AC outlet you want to set, then press the ENTER button.**
- Switch to the setting screen.

Example: When "AC Outlet 1" is selected



3 **Press the CURSOR ◁ or ▷ button to select the zone (MAIN ZONE, ZONE2, ZONE3 and ZONE4).**

※ The power of the AC outlet turns on and off when the power for the set zone is turned on and off.

4 **Press the CURSOR △ or ▽ button to select the input source, then press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

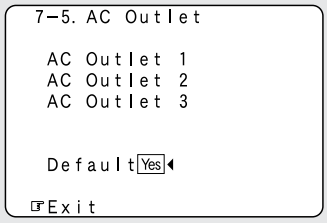
ON:
The power of the AC outlet turns on when that input source is selected.

OFF:
The power of the AC outlet turns off when that input source is selected.

5 **Press the ENTER button.**
- The "AC Outlet Assign" screen reappears.

※ Use the same procedure to make the settings for AC Outlet 2, 3.

6 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "Option Setup" menu reappears.



※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.

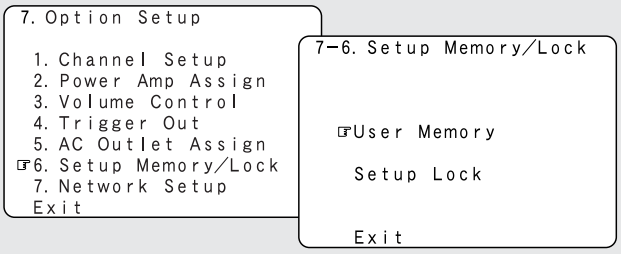
Memory backup and protecting the setting

■ User Memory

This stores the current user settings in the memory.

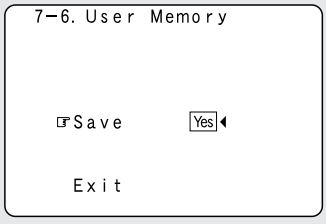
1 **Press the CURSOR △ or ▽ button to select "Setup Memory / Lock" at the "Option Setup" menu, then press the ENTER button.**

- The "Setup Memory / Lock" screen appears.



2 **Press the CURSOR △ or ▽ button to select "User Memory", then press the ENTER button.**

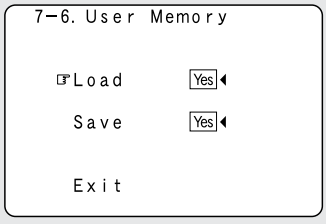
- Switch to the "User Memory" screen.



3 **Press the CURSOR ◁ button to select "Save Yes".**

- About 30 seconds are required for the settings to be stored in the memory.

※ Once the settings are stored in the memory, "Load" is displayed and the settings can be loaded.



4 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

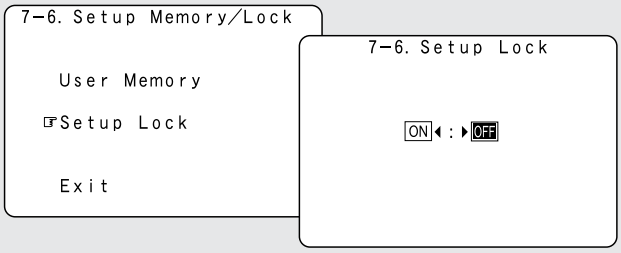
- The "Setup Memory / Lock" screen reappears.

■ Setup Lock

This sets whether or not to lock the system setup settings so that they cannot be changed.
Once all the settings are made, set "Setup Lock" to "ON".

1 **Press the CURSOR △ or ▽ button to select "Setup Lock" at the "Setup Memory / Lock" screen, then press the ENTER button.**

- Switch to the "Setup Lock" screen.



2 **Press the CURSOR ◁ button to select "ON", to lock the system setup settings, then press the ENTER button.**

- When the setup lock function is activated, the settings listed below cannot be changed, and "SETUP LOCKED!" is displayed when related buttons are operated.
  - System setup settings
  - Surround parameter settings
  - Tone control settings
  - Channel level settings (including test tones)
  - Room EQ
- To unlock, press the **SYSTEM SETUP** button again and display the "Setup Lock" screen, then select "OFF" and press the **ENTER** button.

Setting the Network Setup

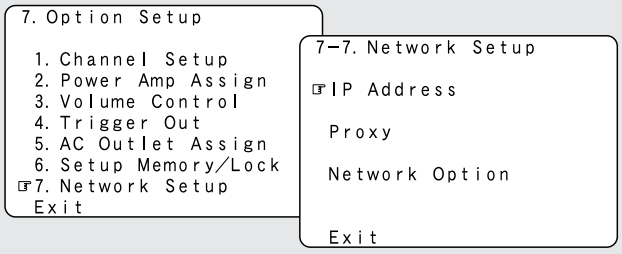
- If you are using a broadband router (DHCP function), there is no need to make the settings at "Setting the IP Address" and "Setting the Proxy", since the DHCP function is set to "ON" in the AVR-5805CI's default settings.
- If the AVR-5805CI is being used connected to a network without the DHCP function, the network settings must be made. In this case, some knowledge of networks is required.

■ Setting the IP Address

Set this when "OFF" is set for "DHCP".

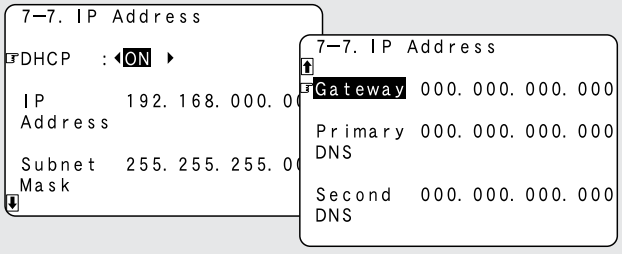
1 **Press the CURSOR △ or ▽ button to select "Network Setup" at the "Option Setup" menu, then press the ENTER button.**

- The "Network Setup" screen appears.



2 **Press the CURSOR △ or ▽ button to select "IP Address", then press the ENTER button.**

- The "IP Address" screen appears.



※ The IP address, etc., is not displayed when "DHCP" is set to "ON" and the unit is not connected to a network.

3 **Press the CURSOR ◁ or ▷ button to select "OFF".**

- The DHCP function is disabled.

4 **Press the CURSOR △ or ▽ button to select the desired setting item, then press the CURSOR ▷ button and CURSOR △ or ▽ button to input the address.**

IP Address:
Set the IP address within the ranges shown below. The Network Audio function cannot be used if other IP addresses are set.
CLASS A: 10.0.0.0 ~ 10.255.255.255
CLASS B: 172.16.0.0 ~ 172.31.255.255
CLASS C: 192.168.0.0 ~ 192.168.255.255

Subnet Mask:
When connecting an xDSL modem or terminal adapter directly to the AVR-5805CI, input the subnet mask indicated in the documentation supplied by your provider. Normally input 255.255.255.0.

Gateway:
When connected to a gateway (router), input its IP address.

Primary DNS / Secondary DNS:
If there is only one DNS address indicated in the documentation supplied by your provider, input it at "Primary DNS". If there are two or more DNS addresses, input the first one at "Second DNS".

5 **Press the ENTER button to enter the setting.**

- The "Network Setup" menu reappears.

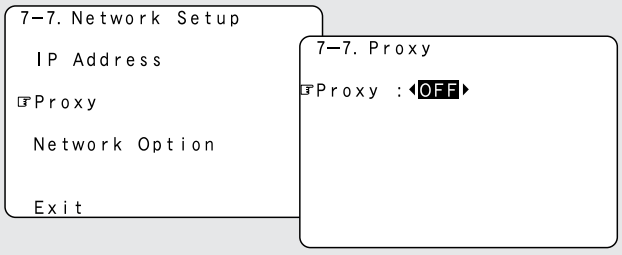
- DHCP (Dynamic Host Configuration Protocol):
  These are systems by which the IP address and other network settings are automatically set for the AVR-5805CI, computer, broadband router and network devices.
- DNS (Domain Name System):
  This is a system for converting the domain names used when browsing Internet sites (for example, "www.denon.jp") into the IP addresses actually used for communications (for example, "202.221.192.106").

■ Setting the Proxy

Make this setting when connecting to the Internet via a proxy server.

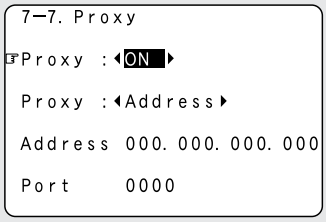
1 **Press the CURSOR △ or ▽ button to select "Proxy" at the "Network Setup" screen, then press the ENTER button.**

- The "Proxy" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "ON".**

- The proxy server is enabled.



3 **Press the CURSOR △ or ▽ button to select the desired setting item, then press the CURSOR ▷ button and CURSOR △ or ▽ button to input the character or number.**

Proxy:
Input the proxy server domain name or address.

Port:
Input the proxy server port number.

4 **Press the ENTER button to enter the setting.**

- The "Network Setup" menu reappears.

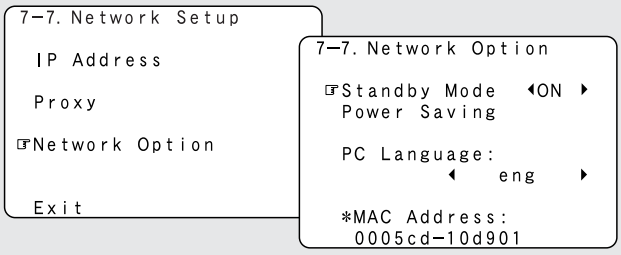
■ Setting the Network Option

[1] Setting the Power Saving

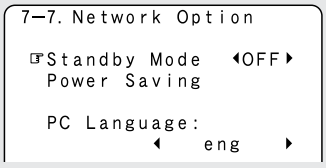
When not using the AVR-5805CI connected in a network, set "ON" to reduce the power consumption when in the standby mode.
Set "OFF" when using the AVR-5805CI connected in a network.

1 **Press the CURSOR △ or ▽ button to select "Network Option" at the "Network Setup" screen, then press the ENTER button.**

- The "Network Option" screen appears.



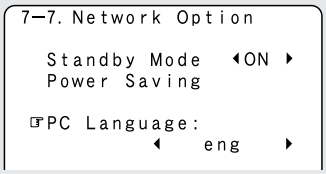
2 **Press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**



[2] Setting the PC Language

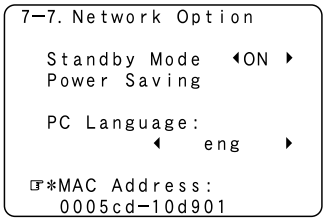
Select according to the language of the computer being used. The languages are indicated with three letters conforming to ISO639-2.

Press the CURSOR △ or ▽ button to select "PC Language", press the CURSOR ◁ or ▷ button to select PC language.



[3] Checking the MAC Address

- The AVR-5805CI's MAC address is displayed.
- The MAC address differs for each set.



1 **If the check ends, press the ENTER button.**

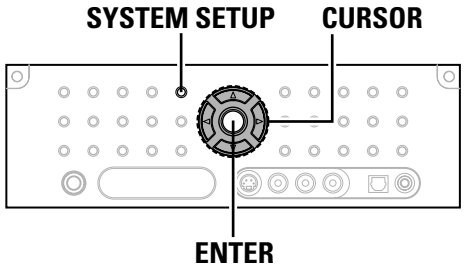
- The "Network Setup" menu reappears.

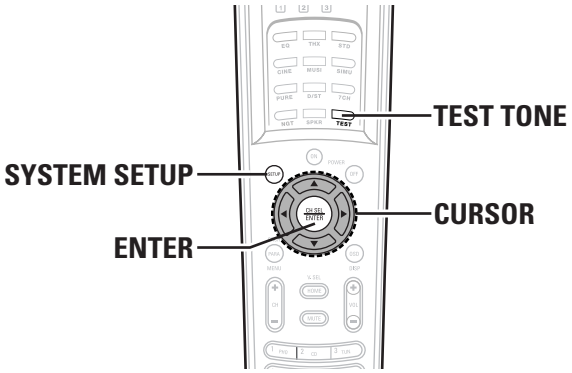
2 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

- The "Option Setup" menu reappears.

Advanced Setup – Part 2

- This Speaker Setup section describes the procedures to make speaker settings manually (without using the Auto Setup function), as well as to make manual changes to settings that have already been made by the Auto Setup function.





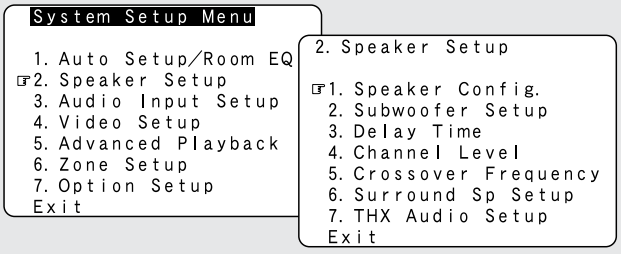
Speaker Setup

- If the "Auto Setup" procedure has already been performed, there is no need to make this setting.
- Perform this setting if you wish to make the settings for your speaker systems manually.

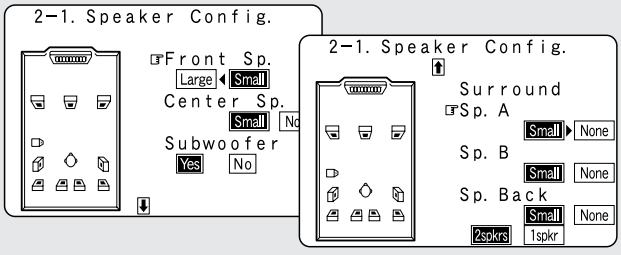
Setting the type of speakers

- The composition of the signals output to each channels and the frequency response are adjusted according to the combination of speakers actually being used.

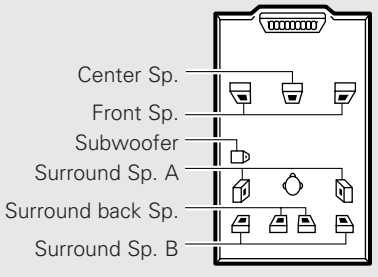
1 **Press the CURSOR △ or ▽ button to select "Speaker Setup" at the "System Setup Menu", then press the ENTER button.**
- The "Speaker Setup" menu appears.



2 **Press the CURSOR △ or ▽ button to select "Speaker Config.", then press the ENTER button.**
- The "Speaker Config." screen appears.



3 **Press the CURSOR △ or ▽ button to select the speaker, then press the CURSOR ◁ or ▷ button to select the parameter.**



4 **Press the ENTER button to enter the setting.**
- The "Speaker Setup" menu reappears.

- Select "Large" or "Small" not according to the actual size of the speaker but according to the speaker's capacity for playing low frequency (bass sound below the frequency set for the Crossover Frequency) signals. If you do not know, try comparing the sound at both settings (setting the volume to a level low enough so as not to damage the speakers) to determine the proper setting.

■ Parameters

Large:
Select this when using speakers that can fully reproduce deep bass well below 80 Hz.

Small:
Select this when using speakers that are not capable of handling deep bass well below 80 Hz. Most home theater main and surround speakers perform best when configured as SMALL. Deep bass content in any channel with a SMALL speaker is routed to the subwoofer(s).

None:
Select this when no speakers are installed.

Yes / No:
Select "Yes" when a subwoofer is installed, "No" when a subwoofer is not installed.

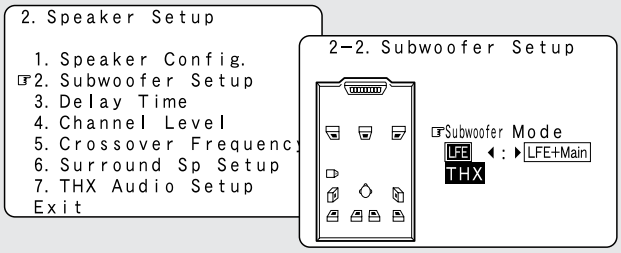
2spkrs / 1spkr:
Select the number of speakers to be used for the surround back channel.

※ A subwoofer with sufficient low frequency playback capability can better handle deep bass than most main and surround speakers, and the system's overall performance will be greatly enhanced when SMALL is set for the main (front) and surround speakers.
※ To take full advantage of the performance of the Home THX certified speaker systems, set the front, center and surround speaker size parameters to "Small" and the subwoofer to "Yes".
※ For the majority of speaker system configurations, using the SMALL setting for all main and surround speakers and connected subwoofer(s) set to ON will yield the best results.
※ When "Front" is set to "Small", "Subwoofer" is automatically set to "Yes", and when "Subwoofer" is set to "No", "Front" is automatically set to "Large".

Setting the low frequency distribution

- This selects the subwoofer for playing deep bass signals.

1 **Press the CURSOR △ or ▽ button to select "Subwoofer Setup" at the "Speaker Setup" menu, then press the ENTER button.**
- The "Subwoofer Setup" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the setting.**

LFE–THX–:
For any channel(s) that are set to LARGE, low frequencies in that channel's corresponding source are directed to that loudspeaker only. Low frequencies that are directed to the subwoofer(s) are from the program source LFE channel, and from other channels where the speakers are set to SMALL. THX recommends this mode so that bass interference is less likely to occur in the room.

LFE+Main:
Low frequencies from speaker channels that have been set to LARGE are reproduced from those speakers as well as from the subwoofer(s). Depending upon the characteristics of the LARGE main speakers, this mode may provide a more even low frequency response throughout the listening room.

3 **Press the ENTER button to enter the setting.**
- The "Speaker Setup" menu reappears.

■ Assignment of low frequency signal range

- The only signals produced from the subwoofer channel are LFE signals (during playback of Dolby Digital or DTS signals) and the low frequency signal range of channels set to "Small" in the setup menu. The low frequency signal range of channels set to "Large" are produced from those channels.

■ Subwoofer Setup

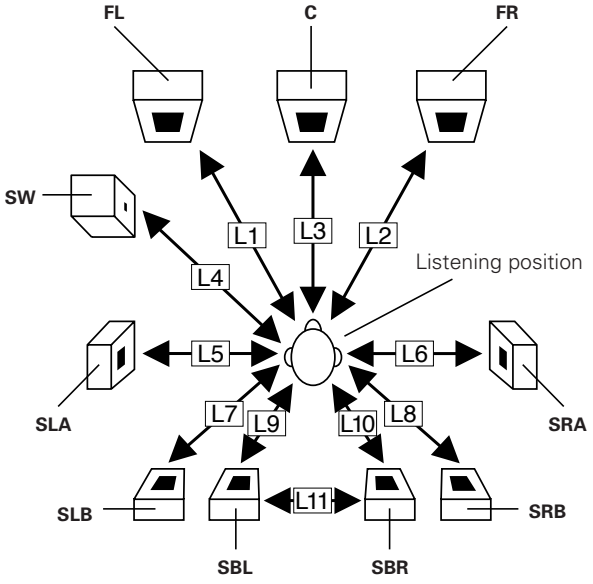
- The subwoofer mode setting is only valid when and "Yes" is set for the subwoofer in the "Speaker Configuration" settings (☞ page 140, 141).
- When the input signal is analog or a PCM signal not including LFE signals, if "LFE–THX–" is selected, the low frequency component is not output from the subwoofer. To output the subwoofer channel, select "LFE+Main".

Setting the Delay Time

- This parameter is for optimizing the timing with which the audio signals are produced from the speakers and subwoofer according to the listening position.
- Two surround back speakers are required to use the THX Ultra2 Cinema, THX Music mode and THX Games mode.
  Set the surround back speakers so that the distance to the listening position is the same for both the left and right speakers.
  It is also recommended that the deviations of the distance from the listening position to L and R channel speakers (front left (FL) and front right (FR), surround left (SL) and surround right (SR), surround back left (SBL) and surround back right (SBR)) is less than 2 ft (60 cm).

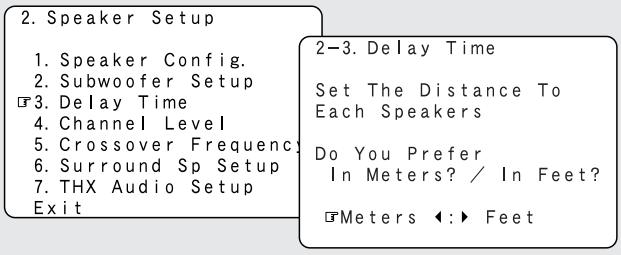
Preparations:

Measure the distances between the listening position and the speakers (L1 to L11 on the diagram at the below).



1 **Press the CURSOR △ or ▽ button to select "Delay Time" at the "Speaker Setup" menu, then press the ENTER button.**

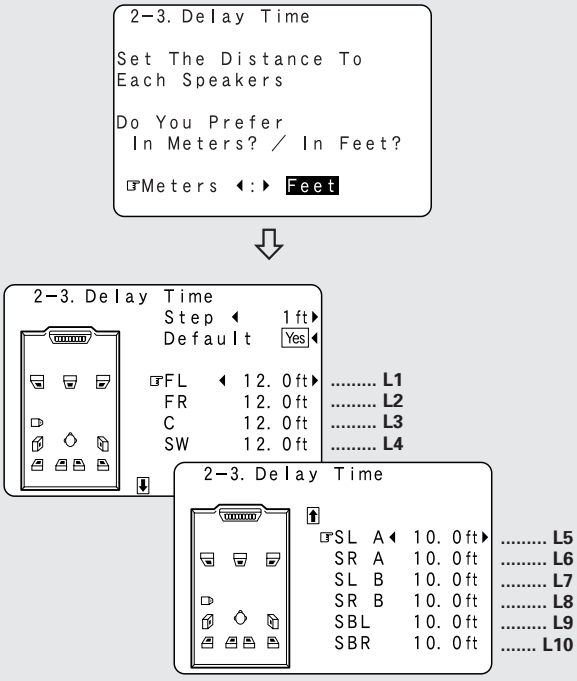
- The "Delay Time" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the desired unit, "Meters" or "Feet".**

- The "Delay Time" screen appears automatically.

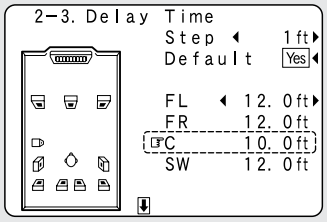
Example: When "Feet" is selected



3 **Press the CURSOR △ or ▽ button to select the speaker to be set.**

4 **Press the CURSOR ◁ or ▷ button to set the distance between the center speaker and listening position.**

Example: When the distance is set to 10.0 feet for the center speaker

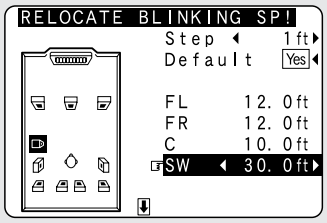


※ The distance changes in units of 1 foot or 0.1 foot each time the button is pressed. Select the value closest to the measured distance.

※ When "Step" is selected, you can select the unit of "1 ft (0.1 m)" or "0.1 ft (0.01 m)".

※ When "Default Yes" is selected, then press the **CURSOR** ◁ button to reset to the default values.

※ **The difference of the distances set for the various speakers must be 20.0 ft (6.0 m) or under. If an inappropriate distance is set, "RELOCATE BLINKING SP!" is displayed. In this case, move the relevant speaker to the proper position as indicated by the displayed value.**



5 **Press the ENTER button to enter the setting.**

• The "Speaker Setup" menu reappears.

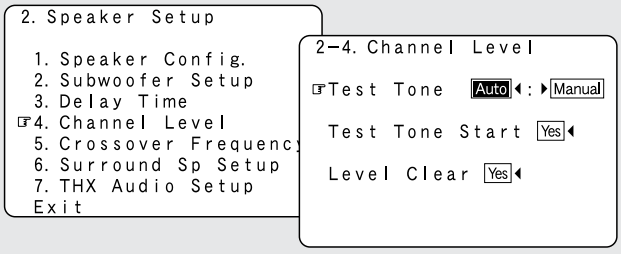
※ The AVR-5805CI automatically sets the optimum surround delay time for the listening room.

Setting the Channel Level

- Use this setting to adjust so that the playback level between the different channels is equal.
- From the listening position, listen to the test tones produced from the speakers to adjust the level.
- The level of each channel should be adjusted to 75 dB (C-weighted, slow meter mode) on a sound level meter at the listening position.
  If a sound level meter is not available adjust the channels by ear so the sound levels are the same. Because adjusting the subwoofer level test tone by ear is difficult, use a well known music selection and adjust for natural balance.

1 **Press the CURSOR △ or ▽ button to select "Channel Level" at the "Speaker Setup" menu, then press the ENTER button.**

• The "Channel Level" screen appears.

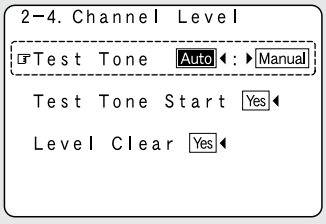


2 **Press the CURSOR ◁ or ▷ button to select "Auto" or "Manual".**

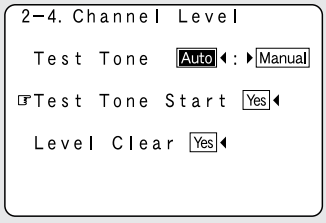
Auto:
Adjust the level while listening to the test tones produced automatically from each speaker.

Manual:
Select the speaker from which you want to produce the test tone to adjust the level.

Example: When the "Auto" mode is selected

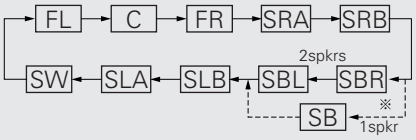


3 **Press the CURSOR △ or ▽ button to select "Test Tone Start", then press the CURSOR ◁ button to select "Yes".**



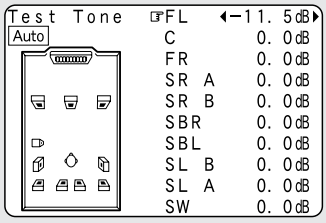
4-1 **When "Auto" mode is selected:**
Press the CURSOR ◁ or ▷ button to adjust all the speakers to the same volume.

- The test tones are emitted from each speaker in the following order, at 4 seconds intervals the first time and second time around, 2 seconds intervals the third time around and on:



※ When the surround back speaker setting is set to "1spkr" for "Speaker Configuration", this is set to "SB".

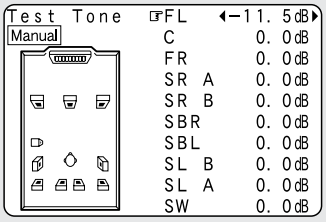
Example: When the volume is set to –11.5 dB while the test tone is being produced from the Front L ch speaker



※ The volume can be adjusted between –12.0 dB and +12.0 dB in units of 0.5 dB.

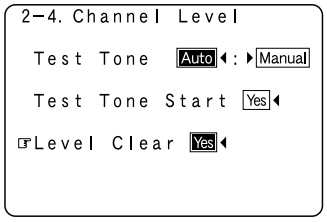
4-2 **When "Manual" mode is selected:**
Press the CURSOR △ or ▽ button to select the speaker, then press the CURSOR ◁ or ▷ button to adjust all the speakers to the same volume.

Example: "Manual" mode is selected.



5 **Press the ENTER button to enter the setting.**
- The "Channel Level" screen reappears.

- To cancel the settings, press the **CURSOR** ◁ button to select "Level Clear" and "Yes" on the "Channel Level" screen, then make the settings again.



- When adjusting the level of an active subwoofer system, you may also need to adjust the subwoofer's own volume control.
- When you adjust the channel levels while in the SYSTEM SETUP CHANNEL LEVEL mode, the channel level adjustments made will affect all surround modes. Consider this mode a Master Channel Level adjustment mode.
- After you have completed the SYSTEM SETUP CHANNEL LEVEL adjustments, you can then activate the individual surround modes and adjust channel levels that will be remembered for each of those modes. Then, whenever you activate a particular surround sound mode, your preferred channel level adjustments for just that mode will be recalled. Check the instructions for adjusting channel levels within each surround mode (☞ page 63, 64).
- You can adjust the channel levels for each of the following surround modes: PURE DIRECT/DIRECT, STEREO, STANDARD (DOLBY/DTS SURROUND), HOME THX CINEMA, 9CH STEREO, WIDE SCREEN, SUPER STADIUM, ROCK ARENA, JAZZ CLUB, CLASSIC CONCERT, MONO MOVIE, VIDEO GAME and MATRIX.
- When using either surround speakers A or B, or when using surround speakers A and B at the same time, be sure to adjust the balance of playback levels between each channel for the various selections of "A", "B" and "A + B".

■ Adjusting the test tone using the remote control unit

- As described below, this adjustment can be accomplished via the with remote control unit.
- Adjusting with the remote control unit using the test tones is only possible in the "Auto" mode and only effective in the STANDARD (DOLBY/DTS SURROUND) and HOME THX CINEMA modes. The adjusted levels for the different modes are automatically stored in the memory.

1 **Press the TEST TONE button.**
- Test tones are output from the different speakers.

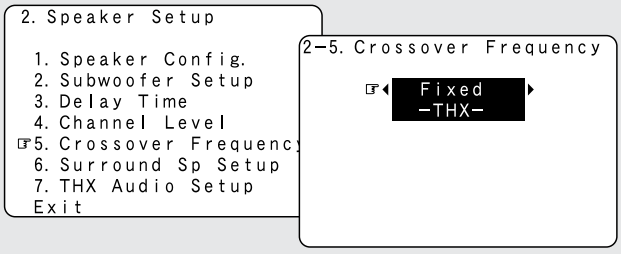
2 **Press the CURSOR ◁ or ▷ button to adjust the channel level so that the volume of the test tones is the same for all the speakers.**

3 **After completing the adjustment, press the TEST TONE button again.**

Setting the Crossover Frequency

- Set the crossover frequency according to the low frequency response characteristics of the various (front, center, surround and surround back) speaker systems.
- If a connected main or surround loudspeaker has a specified –3 dB low frequency response rolloff, adjust the crossover frequency for that speaker to match the specified low frequency response limit – e.g. 80 Hz.
- When a speaker is set to SMALL, low frequencies in that channel that are below the crossover frequency are directed to the system's subwoofer(s), or to speakers that are set to LARGE, for systems with no connected subwoofer(s).

1 **Press the CURSOR △ or ▽ button to select "Crossover Frequency" at the "Speaker Setup" menu, then press the ENTER button.**
- The "Crossover Frequency" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select the frequency.**

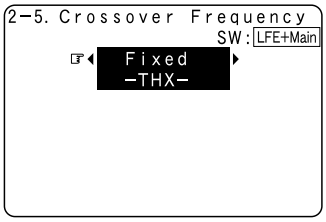
FIXED–THX–:
Set to the THX rated 80 Hz crossover frequency.

VARIABLE 40, 60, 80, 90, 100, 110, 120, 150, 200, 250 Hz:
Set as desired according to your speakers' bass playback ability.

Advanced
The crossover frequency can be set individually for the different speakers (☞ page 146).

3 **Press the ENTER button to enter the setting.**
- The "Speaker Setup" menu reappears.

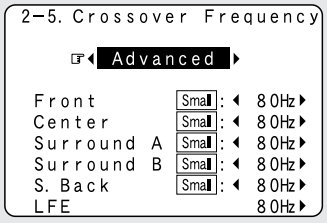
- If "LFE+Main" is set at "Subwoofer Setup", "SW:LFE+Main" (☞ page 141, 142) is displayed at the top right of the screen.



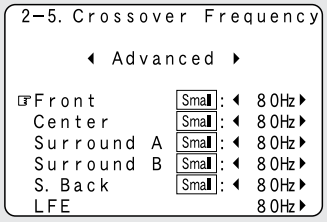
- Please set all THX Certified speakers to small and the crossover to 80 Hz.
- We recommend using with the crossover frequency set to "FIXED–THX–", but depending on the speaker, setting it to a different frequency may improve frequency response near the crossover frequency.
- The crossover frequency mode is valid only when subwoofer is set to "Yes", and when one or more speakers are set to SMALL, as described in section "Speaker Configuration" settings (☞ page 140, 141).

■ Setting the crossover frequency individually for the different channels

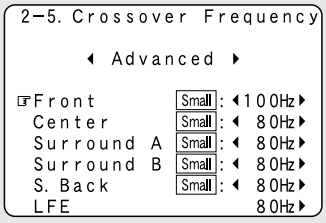
1 Press the CURSOR ◁ or ▷ button to select "Advanced" at the "Crossover Frequency" screen.



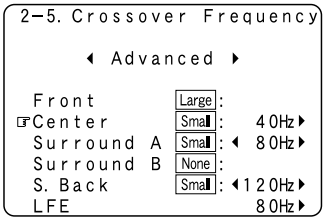
2 Press the CURSOR △ or ▽ button to select the speaker to be set.



3 Press the CURSOR ◁ or ▷ button to select the frequency.



- If "LFE–THX–" is selected at "Subwoofer Setup", the frequencies can only be selected for speakers set to "Small" at "Speaker Configuration".



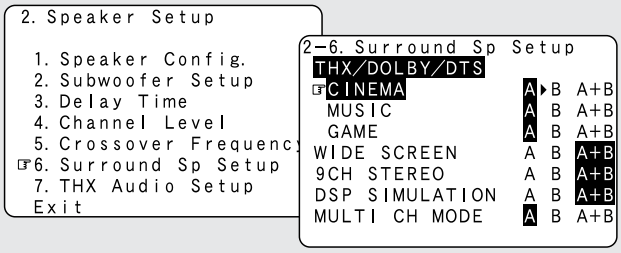
- If "LFE+Main" is set at "Subwoofer Setup", the frequencies can be selected regardless of the speaker size setting.

Selecting the Surround Speakers for the different surround modes

- Use this function when using multiple surround speaker combinations for more ideal surround sound.
- Once the combinations of surround speakers to be used for the different surround modes are preset, the surround speakers are selected automatically according to the surround mode.

1 Press the CURSOR △ or ▽ button to select "Surround Sp Setup" at the "Speaker Setup" menu, then press the ENTER button.

- The "Surround Sp Setup" screen appears.



2 **Press the CURSOR △ or ▽ button to select the surround mode, then press the CURSOR ◁ or ▷ button to select the surround speaker.**

A:
When surround speakers A is used.

B:
When surround speakers B is used.

A + B:
When both surround speakers A and B are used.

3 **Press the ENTER button to enter the setting.**
- The "Speaker Setup" menu reappears.

- For the "WIDE SCREEN" and "9CH STEREO" DSP simulation modes, the surround speakers can be set separately.
- See page 105 for the selection of the surround speakers when the "ANALOG" mode is selected at "EXT. IN Setup".

Settings the THX Audio Setup

■ Settings for using a THX Ultra2 compatible subwoofer

- Make these settings when "Yes" is selected for the subwoofer in the "Speaker Configuration" settings. This option is not available when "No" is selected (☞ page 140, 141).

1 **Press the CURSOR △ or ▽ button to select "THX Audio Setup" at the "Speaker Setup" menu, then press the ENTER button.**
- The "THX Audio Setup" screen appears.

```
2. Speaker Setup

  1. Speaker Config.
  2. Subwoofer Setup
  3. Delay Time
  4. Channel Level
  5. Crossover Frequency
  6. Surround Sp Setup
☞7. THX Audio Setup
  Exit
```

```
  2-7. THX Audio Setup

☞Boundary Gain
  Compensation

  Surround Back
  Speaker Position

  Exit
```

2 **Press the CURSOR △ or ▽ button to select "Boundary Gain Compensation", then press the ENTER button.**

3 **Press the CURSOR ◁ or ▷ button, when using a THX Ultra2 compatible subwoofer or subwoofer that frequency response extends to 20 Hz, select "Yes". Otherwise select "No".**

```
  2-7. THX Audio Setup
  Do You Have
☞A THX Ultra2 Subwoofer
  (Or Sub That
   Extends To 20Hz)?
     Yes◀:▶No
```

※ **When "Yes" is selected:**
"Boundary Gain Compensation" can be selected and the compensation set to "OFF".

※ **If the bass sound seems too strong:**
Set "Boundary Gain Compensation" to "ON". This activates a filter that gently reduces very deep bass below 55 Hz to provide the flattest overall deep bass response. Select "ON" or "OFF" according to how strong you prefer the deep bass response to be.

```
  2-7. THX Audio Setup
  Do You Have
☞A THX Ultra2 Subwoofer
  (Or Sub That
   Extends To 20Hz)?
     Yes◀:▶No

  Boundary Gain
  Compensation
     ON◀:▶OFF
```

4 **Press the ENTER button.**
- The "THX Audio Setup" screen reappears.

■ Surround Back Speaker Position Settings

- When two surround back speakers have been set in "Speaker Configuration" (☞ page 140, 141), set the distance of the speakers. This option is not available when "1spkr" is selected.
- This setting is necessary to achieve the optimum effect in the THX Surround EX, THX Ultra2 Cinema, THX Music mode and THX Games mode. It is recommended that SBL/SBR speakers are placed together as close as possible.

1 **Press the CURSOR △ or ▽ button to select "Surround Back Speaker Position" at the "THX Audio Setup" screen, then press the ENTER button.**

```
2–7. THX Audio Setup

 Boundary Gain
 Compensation

☞Surround Back
 Speaker Position

 Exit
```

2 **Press the CURSOR ◁ or ▷ button to select the settings according to the distances of the two surround back speakers (☞ page 142 : L11), then press the ENTER button.**

- The "THX Audio Setup" screen reappears.

```
2–7. THX Audio Setup

   Set The distance
   Between SBL/SBR

   ◂   0ft to 1ft   ▸
      (0m to 0.3m)
```

3 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**

- The "Speaker Setup" menu reappears.

```
2–7. THX Audio Setup

 Boundary Gain
 Compensation

 Surround Back
 Speaker Position

☞Exit
```

4 **Press the CURSOR △ or ▽ button to select the "Exit", then press the ENTER button.**

- The "System Setup Menu" reappears.

```
2. Speaker Setup

 1. Speaker Config.
 2. Subwoofer Setup
 3. Delay Time
 4. Channel Level
 5. Crossover Frequency
 6. Surround Sp Setup
 7. THX Audio Setup
☞Exit
```

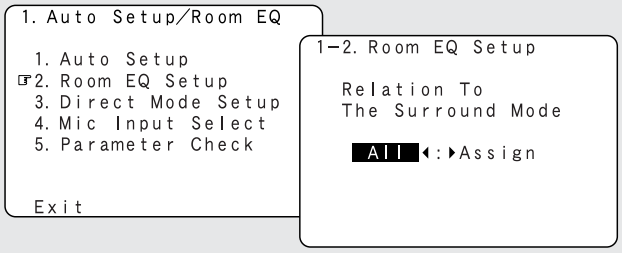
Others Setup

Setting the Room EQ Setup

• Set the Room EQ setting with All or Assign for each surround mode.

1 **Press the CURSOR △ or ▽ button to select "Room EQ Setup" at the "Auto Setup / Room EQ" menu, then press the ENTER button.**

• The "Room EQ Setup" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "All" or "Assign".**

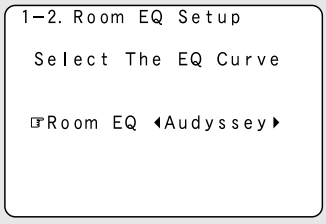
All:
Sets the Equalizer for all surround modes.

Assign:
Sets the Equalizer individually for each surround mode.

3-1 **When "All" is selected:**

① Press the ENTER button.

• The "Select the EQ Curve" screen appears.



② Press the CURSOR ◁ or ▷ button to select the equalizer setting.

OFF:
The Equalizer is not used.

Audyssey:
Adjusts the frequency response of all speakers to correct the effects of room acoustics.

Front:
Adjusts the frequency response of the surround speakers to match the characteristics of the front channel speakers.

Flat:
Adjusts the frequency response of all speakers to the flattest response. This mode is suitable for multi-channel music surround sound sources.

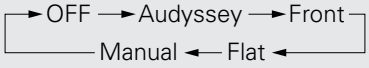
Manual:
Selects the setting value that was set in the Manual EQ Setup.
For details of the "Manual EQ Setup" (☞ page 118, 119).

3-2 **When "Assign" is selected:**

After completing system setup, select the desired equalizer setting pressing the ROOM EQ button.

• Equalizer settings for the individual surround modes can be stored in the memory.

※ Whenever the **ROOM EQ** button is pressed, the display switches as shown below.



4 **Press the ENTER button to enter the setting.**

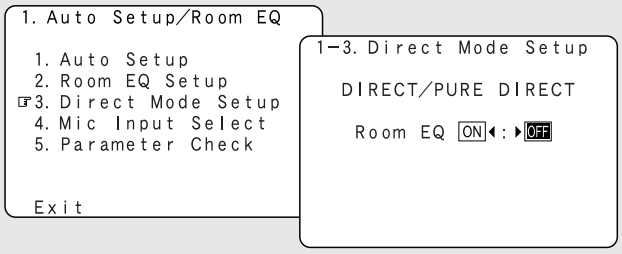
• The "Auto Setup / Room EQ" menu reappears.

• The Equalizer setting of "Audyssey", "Front" and "Flat" can be selected after performing the Auto Setup.
• When the speaker set as "None" with the Auto Setup is changed to on manually, the equalizer of "Audyssey", "Front" and "Flat" cannot be used.
• The Equalizer setting can be selected directly by **ROOM EQ** button.
• When headphones are connected, the Room EQ cannot be used.

Setting the Direct Mode Setup

• Set the ON/OFF setting of Room EQ, in the case of the surround mode is in DIRECT or PURE DIRECT.

1 **Press the CURSOR △ or ▽ button to select "Direct Mode Setup" at the "Auto Setup / Room EQ" menu, then press the ENTER button.**
• The "Direct Mode Setup" screen appears.



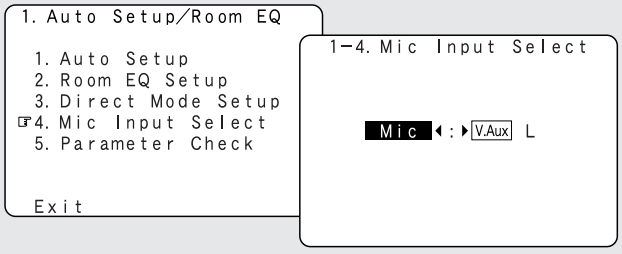
2 **Press the CURSOR ◁ or ▷ button to select "ON" or "OFF".**

3 **Press the ENTER button to enter the setting.**
• The "Auto Setup / Room EQ" menu reappears.

Setting the MIC Input Select

• Set this to switch the Mic Input jack for use for Mic jack or V.AUX L-channel input terminal.

1 **Press the CURSOR △ or ▽ button to select "Mic Input Select" at the "Auto Setup / Room EQ" menu, then press the ENTER button.**
• The "Mic Input Select" screen appears.



2 **Press the CURSOR ◁ or ▷ button to select "Mic" or "V.AUX L".**

3 **Press the ENTER button to enter the setting.**
• The "Auto Setup / Room EQ" menu reappears.

■ Specifications and Setup Procedure for Non-DENON Microphone

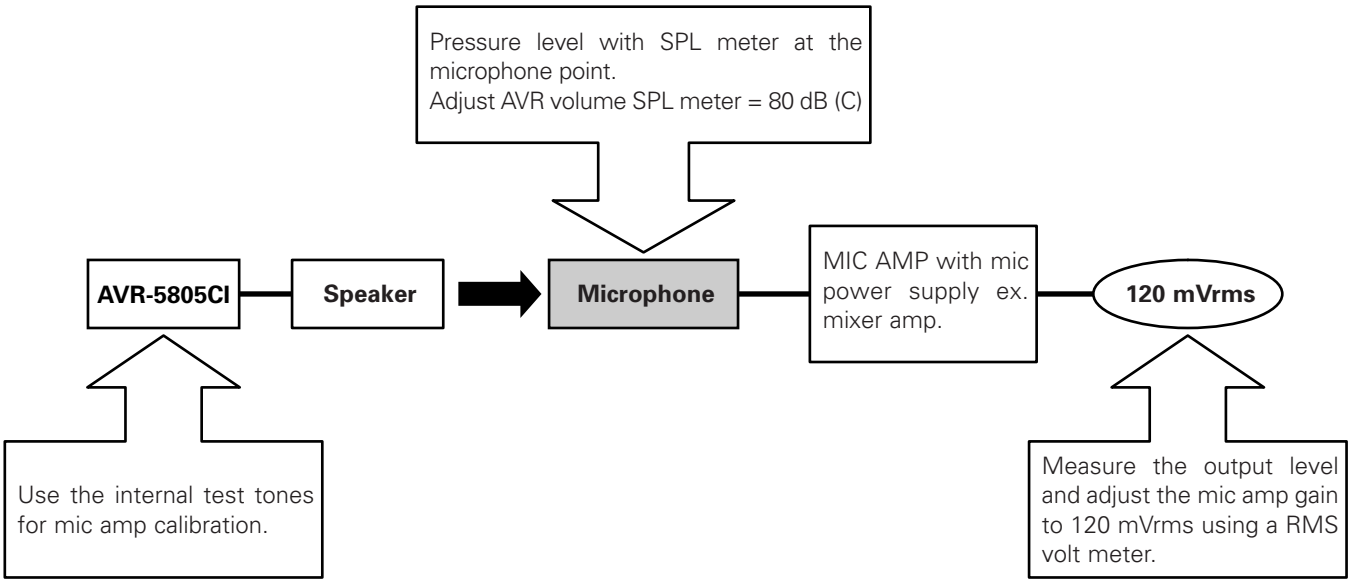
Required Microphone for DENON Auto-Setup Room EQ : Product name Countryman B3

Required Microphone Amplifier Specification for DENON Auto-Setup Room EQ
- Gain : 29 dB
- Frequency Response : 10 ~ 30 kHz Full Flat (Ex : Rane MS1b)

Microphone Placement
- Set the microphone using microphone stand, or other method, at the prime listening position.
- Point the top of the microphone toward the ceiling.
- Adjust the height so that the top of microphone to matches the height of your ear when sitting.

Microphone Amplifier Gain Setting using Sound Level Meter and RMS Volt Meter

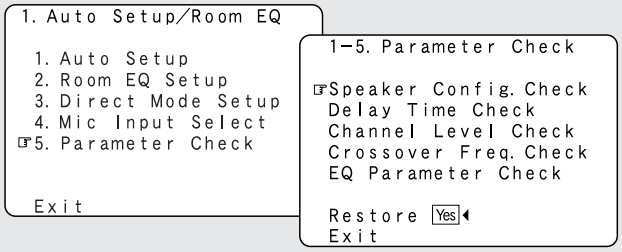
First you will need to adjust the " microphone amplifier gain".
(1) Connect the all speakers and the video monitor (for the on screen display) with the AVR-5805CI.
(2) Connect the microphone with the microphone amplifier.
(3) Turn on the AVR-5805CI and the "microphone amplifier".
(4) Turn on the "Phantom Supply" on the microphone amplifier.
(5) Set the Parameter "Test Tone" to "Manual" and "Test Tone Start" to "Yes" at "Channel Level" (☞ page 143 ~ 145).
(6) Once the test tone for Front Left (FL) speaker starts, check the Sound Pressure Level at the Listening Position with an SPL Meter. You do not have to check any of the other channels.
(7) Adjust the "Main Volume" so that the Sound Pressure Level measures 80 dB (C-weighted).
(8) Once the "Main Volume" as been set, connect the output of microphone amplifier to the RMS Volt Meter.
(9) Adjust the "microphone amplifier's gain" as the RMS Volt Meter becomes about 120 [mV RMS].
(10) Once set, exit out of "System Setup" and turn off the AVR-5805CI.
(11) Connect the output of the microphone amplifier to the AVR-5805CI's front panel "V.AUX" Left channel audio input–located behind Trap Door.
(12) Change the setting to "V.AUX L" at "Mic Input Select".
(13) Start "Auto Setup" (☞ page 20 ~ 26).



Check the parameter

- The results of the measured items can be checked.
- The EQ parameters that were set in Auto Setup can be checked.
- This item is displayed, after the measurement result of the "Auto Setup / Room EQ" is decided.

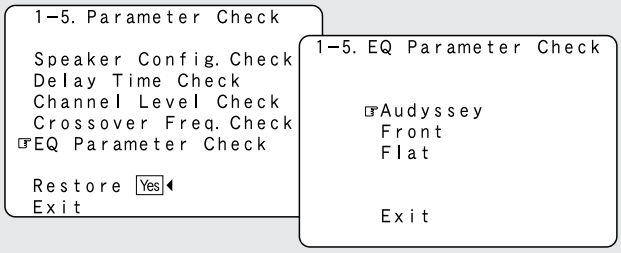
1 **Press the CURSOR △ or ▽ button to select "Parameter Check" at the "Auto Setup / Room EQ" menu, then press the ENTER button.**
- The "Parameter Check" screen appears.



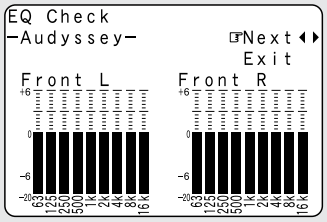
2 **Press the CURSOR △ or ▽ button to select the items, then press the ENTER button.**
- The verification screen appears.

3 **If the check ends, press the ENTER button again.**

4 **Press the CURSOR △ or ▽ button to select "EQ Parameter Check", then press the ENTER button.**
- The "EQ Parameter Check" screen appears.



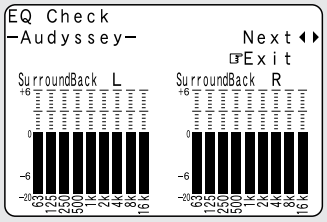
5 **Press the CURSOR △ or ▽ button to select the Equalizer curve, then press the ENTER button.**
- The "EQ Check" screen appears.



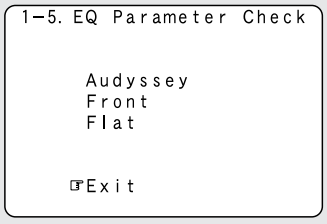
※ The display is only an approximate picture of the response and that correction is happening at all frequencies.

6 **Press the CURSOR ◁ or ▷ button to select the speaker channel.**

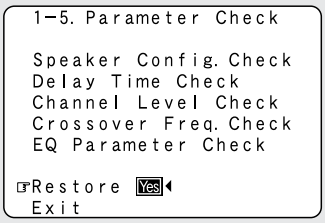
7 **If the check ends, press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "EQ Parameter Check" screen reappears.



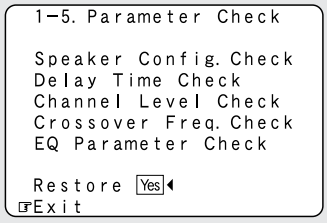
8 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "Parameter Check" screen reappears.



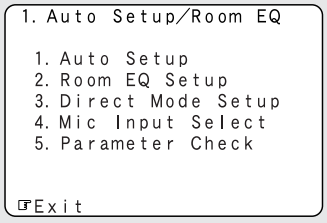
9 **The results of the "Auto Setup" procedure can be reset even if the settings have been changed after performing the "Auto Setup" procedure: Press the CURSOR △ or ▽ button to select "Restore Yes ◀", then press the CURSOR ◁ button.**



10 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "Auto Setup / Room EQ" menu reappears.



11 **Press the CURSOR △ or ▽ button to select "Exit", then press the ENTER button.**
- The "System Setup Menu" reappears.



System setup items and default values (set upon shipment from the factory)

1. Auto Setup/Room EQ

Auto Setup / Room EQ			Default settings	Page
1	**Auto Setup**	This unit performs an analysis of the speaker system and measures the acoustic characteristics of your room to permit an appropriate automatic setting.	–	20 ~ 26
2	**Room EQ Setup**	Set the Room EQ setting with All or Assign for each surround mode.	All, Room EQ = OFF	149
3	**Direct Mode Setup**	Set the ON/OFF setting of Room EQ, in the case of the surround mode is in Direct or Pure Direct.	OFF	150
4	**Mic Input Select**	Set this to switch the Mic Input jack for use for Mic or V.AUX L-channel input jack.	Mic	150, 151

2. Speaker Setup

Speaker Setup				Default settings					Page
1	**Speaker Configuration**	Input the combination of speakers in your system and their corresponding sizes (SMALL for regular speakers, LARGE for full-size, full-range) to automatically set the composition of the signals output from the speakers and the frequency response.		Front Sp.	Center Sp.	Subwoofer	Surround Sp. A / B	Surround Back Sp.	140, 141
				Small	Small	Yes	Small	Small / 2spkrs	
2	**Subwoofer Setup**	This selects the subwoofer for playing deep bass signals.		LFE —THX—					141, 142
3	**Delay Time**	This parameter is for optimizing the timing with which the audio signals are produced from the speakers and subwoofer according to the listening position.		Front L & R	Center	Subwoofer	Surround L & R (A)	Surround L & R (B)	Surround Back	142, 143
				12.0 ft (3.6 m)	12.0 ft (3.6 m)	12.0 ft (3.6 m)	10.0 ft (3.0 m)	10.0 ft (3.0 m)	10.0 ft (3.0 m)	
4	**Channel Level**	This adjusts the volume of the signals output from the speakers and subwoofer for the different channels in order to obtain optimum effects.		Front L	Front R	Center	Surround L (A)	Surround R (A)	Surround L (B)	Surround R (B)	Surround Back L	Surround Back R	Subwoofer	143 ~ 145
				0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	
5	**Crossover Frequency**	Set the frequency (Hz) below which the bass sound of the various speakers is to be output from the subwoofer.		FIXED —THX—										145, 146
6	**Surround Speaker Setup**	Use this function when using multiple surround speaker combinations for more ideal surround sound. Once the combinations of surround speakers to be used for the different surround modes are preset, the surround speakers are selected automatically according to the surround mode.	**Surround mode**	THX/DOLBY/ DTS CINEMA	THX/DOLBY/ DTS MUSIC	THX/ DOLBY GAME	WIDE SCREEN	9 CH STEREO	DSP SIMULATION	MULTI CH MODE				146, 147
			Surround speaker	A	A	A	A+B	A+B	A+B	A				
7	**THX Audio Setup**	**Boundary Gain Compensation**	When using a THX Ultra2 compatible subwoofer, set the subwoofer's frequency response.	THX Ultra2 Subwoofer = NO										147
		Surround Back Speaker Position	When using two surround back speakers, set the distance of the two speakers.	The Distance Between SBL/SBR = 0 ft to 1 ft (0 m to 0.3 m)										148

Advanced Setup – Part 2

3. Audio Input Setup

	Audio Input Setup			Default settings											Page
1	**Digital In Assignment**	This assigns the digital input terminals for the different input sources.	**Input source**	CD	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	CDR / TAPE	V.AUX	104
			Digital Inputs	COAX 1	COAX 2	COAX 3	COAX 4	COAX 5	OPT 1	OPT 2	OPT 3	OPT 4	OPT 5	OPT 6	
2	**EXT.IN Setup**	Set the EXT.IN terminal playback method.	**EXT.IN-1 Setup**	Mode = DSP, Surr.B = NOT USED, S.Back = NOT USED, SW Level = +15 dB, Input ATT. = OFF											105
			EXT.IN-2 Setup	Mode = DSP, SW Level = +15 dB, Input ATT. = OFF											
3	**Input Function Level**	The playback level is corrected individually for the different input sources.		TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	Aux	106
				0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	0 dB	
4	**Function Rename**	The names of the different input function can be changed as desired and displayed on the display.		TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	Net Audio	106, 107
5	**IEEE1394 Assignment**	The connected IEEE1394 device can be automatically identified to assign the input source.		–											107
6	**IEEE1394 Auto Function**	Set the function for associating playback of the connected IEEE1394 device on or off.		Auto Function = OFF											108
7	**Tuner Presets**	**Auto Preset Memory**	FM stations are received automatically and stored in the memory.	A1 ~ A8	87.5/89.1/98.1/107.9/90.1/90.1/90.1/90.1 MHz										108
				B1 ~ B8	520/600/1000/1400/1500/1710 kHz, 90.1/90.1 MHz										
				C1 ~ C8	90.1 MHz										
				D1 ~ D8	90.1 MHz										
				E1 ~ E8	90.1 MHz										
				F1 ~ F8	90.1 MHz										
				G1 ~ G8	90.1 MHz										
		Preset Skip	Preset channels that are not used often can be skipped.	All preset channels = ON											109
		Preset Name	The preset channels can be given the names you want.	–											109

4. Video Setup

	Video Setup		Default settings									Page
1	**HDMI/DVI In Assignment**	The HDMI or DVI-D input terminals are assigned for the different input sources. Select HDMI or DVI-D for the monitor output terminal. Select the HDMI audio signal playback method.	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	111, 112
			NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	
2	**Component In Assignment**	This assigns the color difference (component) video input terminals for the different input sources.	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	112
			1-RCA	2-RCA	3-RCA	4-RCA	5-RCA	6-BNC	NONE	NONE	NONE	
3	**Video Convert Mode**	This sets whether or not to use the video conversion function.	ON									112
4	**HDMI/ Component Out**	Set the format of the signal up-converted to the HDMI monitor output or component video output terminal.	Convert = ON, Scaler = HDMI, Aspect = Full, Resolution = 480p/576p Color Space = Y Cb Cr, RGB Mode = Normal									113, 114
5	**Audio Delay**	Set the audio delay timing to synchronize the sound and video.	0 ms									114
6	**On Screen Display**	This sets whether or not to display the on screen display that appears on the monitor screen when the controls on the remote control unit or main unit are operated.	Function/Mode = ON, Master Volume = ON, iRadio/mServer = Always, XM = Always, Screensaver = ON, Display Mode = Mode 1									115

5. Advanced Playback

	Advanced Playback		Default settings	Page
1	**2ch Direct/Stereo**	The speaker settings can be changed specifically for playing in the 2 channel direct or stereo mode.	Basic	116
2	**Dolby Digital Setup**	Turn the audio compression on or off when down-mixing Dolby Digital signals.	OFF	117
3	**Auto Surround Mode**	Set the Auto surround mode function.	Auto Surround Mode = ON	117
4	**Manual EQ Setup**	This parameter is for optimizing the Room EQ with which the audio signals are produced from the speakers.	All Channels and Frequency = 0 dB	118, 119

6. Zone Setup

	Zone Setup			Default settings						Page
1	**Speaker Configuration**	Set the presence/absence of speaker combinations and the size in function of the low frequency reproduction capabilities when playing surround sound in ZONE2.		Front Sp.	Center Sp.	Subwoofer	Surround Sp.			120
				Small	Small	Yes	Small			
2	**Subwoofer Mode**	This selects the subwoofer used in ZONE2 for playing the low base sound.		LFE						120
3	**Delay Time**	This parameter is for optimizing the timing of the sound produced from the various speakers and subwoofer according to the listening position in ZONE2.		Front L & R	Center	Subwoofer	Surround L & R			121
				12.0 ft (3.6 m)	12.0 ft (3.6 m)	12.0 ft (3.6 m)	10.0 ft (3.0 m)			
4	**Channel Level**	This adjusts the volume of the signal output from the various speakers and subwoofer used in ZONE2.		Front L	Front R	Center	Surround L	Surround R	Subwoofer	122, 123
				0.0 dB	0.0 dB	0.0 dB	0.0 dB	0.0 dB	0.0 dB	
5	**Crossover Frequency**	Set the frequency (in Hz) below which deep bass appearing in the main channels will be routed to the ZONE2 subwoofer.		80 Hz						123
6	**Video Setup**	**Video Convert Mode**	This sets whether or not to use the video conversion function.	ON						123, 124
		Audio Delay	Set the delay time the sound is synchronized with the picture which are output in ZONE2.	0 ms						
7	**Zone3/4 Tone/ Ch.Level**	Adjust the tone and channel level of the sound output from ZONE3 and ZONE4.	**Zone3**	Bass = 0 dB, Treble = 0 dB, HPF = OFF, L/R = 0 dB						124, 125
			Zone4	Bass = 0 dB, Treble = 0 dB, HPF = OFF, L/R = 0 dB						

Advanced Setup – Part 2

7. Option Setup

Option Setup					Default settings										Page
1	**Channel Setup**	The number of channels that you wish to play back in each zone are assigned to each zone accordingly.			Main Zone		Zone2		Zone3		Zone4				126 ~ 128
					9.1 CH		5.1 CH		Stereo		Stereo				
2	**Power Amp Assignment**	Power Amplifiers can be assigned to the various channels according to your system's requirements.			Normal										129 ~ 133
					L1	L2	L3	L4	L5	R1	R2	R3	R4	R5	
					FL	C	SLA	SLB	SBL	FR	–	SRA	SRB	SBR	
3	**Volume Control**	This sets the volume level of each zone output. **Volume Limit:** This sets the upper limit for the master volume. **Power On Level:** This sets the volume level upon switching on the power of each zone. **Mute Level:** This sets the amount of attenuation of the audio output when each zone is muted. **Volume Level:** This sets whether the output level of ZONE2 to 4 is fixed or variable.		**Main**	Vol.Limit = OFF, P. On Lev. = LAST, Mute Lev. = FULL										134
				Zone2	Vol.Lev. = VAR, Vol.Limit = OFF, P. On Lev. = LAST, Mute Lev. = FULL										
				Zone3	Vol.Lev. = VAR, Vol.Limit = OFF, P. On Lev. = LAST, Mute Lev. = FULL										
				Zone4	Vol.Lev. = VAR, Vol.Limit = OFF, P. On Lev. = LAST, Mute Lev. = FULL										
4	**Trigger Out Setup**	This sets the Trigger Out output for the different input sources. If "ZONE=MAIN" is selected, settings can be made for the individual surround modes.		**Trigger Out 1**	ZONE = MAIN, All Surround Modes = ON										135
					TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	Aux
					OFF	OFF	OFF	OFF	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
				Trigger Out 2	ZONE = 2													
					TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	Aux
					ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
				Trigger Out 3	ZONE = 3													
					TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	
					ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
				Trigger Out 4	ZONE = 4													
					TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	
					ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	
5	**AC Outlet Assignment**	This sets the AC outlet to on or off for the different input sources.		**AC Outlet 1 ~ 3**	ZONE = MAIN										136
					TUNER	PHONO	CD	CDR / TAPE	DVD	VDP	TV	DBS	VCR-1	VCR-2	VCR-3	VCR-4	V.AUX	Aux
					ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
6	**Setup Memory/Lock**	**User Memory**	This stores the current user settings in the memory.		–										137
		Setup Lock	This sets whether or not to lock the system setup settings so that they cannot be changed.		Setup Lock = OFF										137
7	**Network Setup**	**IP Address**	The IP address-related settings are made here.		DHCP = ON										138
		Proxy	The proxy-related settings can be changed here.		OFF										139
		Network Option	**Standby Mode Power Saving**	Set whether or not to accept control from the network in the standby mode.	ON										139
			PC Language	Select the language of the computer's OS.	eng										139

Troubleshooting

If a problem should arise, first check the following.
1. Are the connections correct?
2. Have you operated the receiver according to the Operating Instructions?
3. Are the speakers, and other connected components operating properly?
If this unit is not operating properly, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

Symptom	Cause	Measures	Page
Display not lit and sound not produced when power switch set to on.	• Power supply cord not plugged in securely.	• Check the insertion of the power supply cord plug.	42
Display lit but sound not produced.	• Speaker cables not securely connected. • FUNCTION knob position is not appropriate. • Volume control set to minimum. • Muting is on. • No digital signal is being input.	• Connect securely. • Switch to the proper position. • Turn volume up to suitable level. • Switch off Muting. • Properly select a digital signal input source.	16, 17 44 44 45 104
Nothing is displayed on monitor.	• AVR-5805CI's video output terminals and monitor's input terminals are not properly connected. • TV's input setting is wrong. • The PURE DIRECT mode is set.	• Check that the connections are correct. • Set the TV's input selector to the terminals to which video signals are connected. • Set a surround mode other than the PURE DIRECT mode.	16, 17, 27 ~ 42 — 50
No DTS sound is produced.	• DVD player's audio output setting is not set to bit stream. • DVD player is not DTS-compatible. • AVR-5805CI's input setting is set to analog.	• Make the DVD player's initial settings. • Use a DTS-compatible player. • Set to AUTO or DTS.	— — 47, 48
Ultra2 Cinema / THX Music Mode / THX Games Mode cannot be set.	• Surround back speaker set to 1.	• Connect two surround back speakers.	16, 17, 140, 141, 148
Copying from DVD to VCR is not possible.	• Copying between a source such as DVD and a VCR is not usually possible, as DVDs are often encoded with copy-protection signals that prevent VCR recording.	• Copying is not possible.	—
No sound is produced from subwoofer.	• Subwoofer's power is not on. • Subwoofer's initial setting is set to "NO". • Subwoofer's output is not connected. • The subwoofer's channel volume level is set to "OFF".	• Turn on the power. • Set the setting to "YES". • Connect properly. • Turn the subwoofer's channel volume level up.	— 140, 141 17, 42 64
No test tones are produced.	• Surround mode is set to a mode other than STANDARD (Dolby/DTS Surround).	• Set to STANDARD (Dolby/DTS Surround).	—
No sound is produced from surround speakers.	• Surround mode is set to "STEREO".	• Set to a mode other than "STEREO".	—
This unit does not operate properly when remote control unit is used.	• Batteries dead. • Remote control unit too far from this unit. • Obstacle between this unit and remote control unit. • Different button is being pressed. • ⊕ and ⊖ ends of battery inserted in reverse.	• Replace with new batteries. • Move closer. • Remove obstacle. • Press the proper button. • Insert batteries properly.	9 9 9 — 9

Troubleshooting

Symptom	Cause	Measures	Page
An image is not projected with an HDMI/DVI connection.	• AVR-5805CI's HDMI output terminals and monitor's input terminals are not properly connected.	• Check the HDMI connection.	36, 37
	• No HDMI/DVI signal is being input.	• Properly select HDMI or DVI signal input source.	111, 112
	• The connected monitor equipment or other equipments do not support HDCP.	• The AVR-5805CI will not output video signal unless the other equipment supports HDCP.	36, 37
	• The output format of the connected player (HDMI/DVI FORMAT) does not matche the supported input format of connected monitor equipments.	• Check whether the output format of the connected player (HDMI/DVI FORMAT) matches the supported input format of connected monitor equipments.	36, 37
The HDMI audio is not output.	• The AVR-5805CI does not play HDMI audio signals.	• Set the HDMI audio playback setting at the "HDMI/DVI In Assign" settings to "AMP".	111, 112
	• The HDMI audio signals are not output from the connected monitor device.	• Set the HDMI audio playback setting at the "HDMI/DVI In Assign" settings to "TV".	111, 112
Power has turned off and the power indicator is flashing red.	• The set's internal temperature has risen and the protection circuit has been activated.	• Put the AVR-5805CI in a well-ventilated place.	16
		• Turn off the power, then wait for the set to fully cool off before turning the power back on.	16
	• The core wires of the speaker cables are touching each other or the AVR-5805CI's rear panel, activating the protection circuit.	• Check the connections of all the speaker cables.	16
	• AVR-5805CI is malfunctioning.	• Turn off the power and contact a DENON customer service center.	16
Sound is only produced from the center speaker.	• You are playing a monaural source (TV, AM radio broadcast, etc.) in the DOLBY/DTS SURROUND or HOME THX CINEMA mode.	• When playing monaural sources, select a surround mode other than DOLBY/DTS SURROUND or HOME THX CINEMA.	61 ~ 63
"CHECK ANTENNA" is displayed in the XM mode.	• AVR-5805CI's XM terminal and the XM Mini-Tuner and Home Dock is not properly connected.	• Check that the connection are correct.	40
"NO SIGNAL" is displayed in the XM mode.	• The signal cannot be received.	• Reposition your XM Mini-Tuner and Home Dock.	71
"OFF AIR" is displayed in the XM mode.	• The selected channel is not currently broadcasting.	• Select the another channel.	72, 73
Receiving only XM channels 0 and 1.	• The XM Tuner is not activated.	• Contact XM Satellite Radio.	71

Additional Information

Optimum surround sound for different sources

There are currently various types of multi-channel signals (signals or formats with more than two channels).

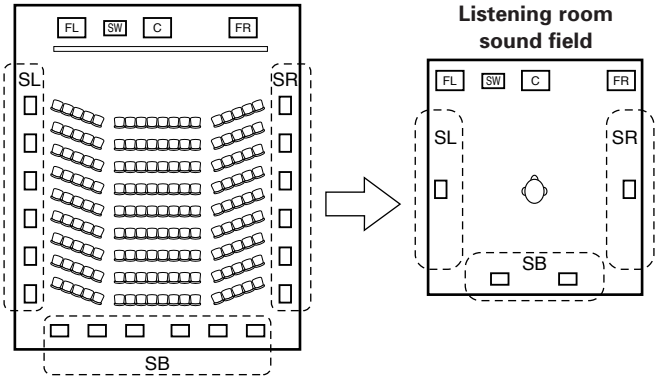
■ Types of multi-channel signals

Dolby Digital (including Surround EX), DTS (including Surround ES), DVD-Audio, and Super Audio CD.
Note on the above: MUSE 3.1 and MPEG multi-channel audio are not available to North American consumers – same is true for Dolby's AAC.

"Source" here does not refer to the type of signal (format) but the recorded content. Sources can be divided into two major categories.

■ Types of sources

- **Movie audio:**
  Signals created to be played in movie theaters. In general sound is recorded to be played in movie theaters equipped with multiple surround speakers, regardless of the format (Dolby Digital, DTS, etc.).

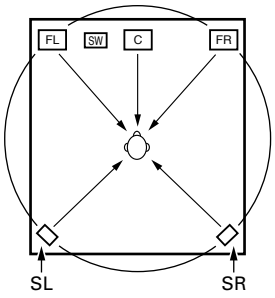


Multiple surround speakers

In this case it is important to achieve the same sense of expansion as in a movie theater with the surround channels.
To do so, in some cases the number of surround speakers is increased (to four or eight) or speakers with bipolar or dipolar properties are used.

SL : Surround L channel
SR : Surround R channel
SB : Surround B (back) channel

- **Other types of audio:**
  These signals are designed to recreate a 360° sound field using three to five speakers.



In this case the speakers should surround the listener from all sides to create a uniform sound field from 360°. Ideally the surround speakers should function as "point" sound sources in the same way as the front speakers.

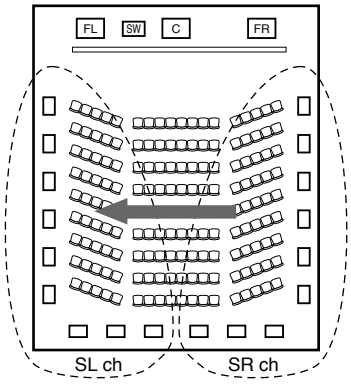
These two types of sources thus have different properties, and different speaker settings, particularly for the surround speakers, are required in order to achieve the ideal sound.

The AVR-5805CI's surround speaker selection function makes it possible to change the settings according to the combination of surround speakers being used and the surrounding environment in order to achieve the ideal surround sound for all sources. This means that you can connect a pair of bipolar or dipolar surround speakers (mounted on either side of the prime listening position), as well as a separate pair of direct radiating (monopolar) speakers placed at the rear corners of the listening room.

Surround back speakers

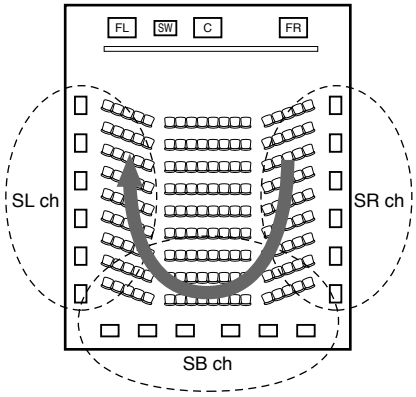
The THX Surround EX format adds new "Surround Back" (SB) channels to the conventional 5.1 channel system. This makes it easy to achieve sound positioned directly behind the listener, something that was previously difficult with sources designed for conventional multi surround speakers. In addition, the acoustic image extending between the sides and the rear is narrowed, thus greatly improving the expression of the surround signals for sounds moving from the sides to the back and from the front to the point directly behind the listening position.

Change of positioning and acoustic image with 5.1 channel systems



Movement of acoustic image from SR to SL

Change of positioning and acoustic image with THX Surround EX system



Movement of acoustic image from SR to SB to SL

Speaker(s) for one or two channels are required in order to achieve a THX Surround EX system with the AVR-5805CI. Adding these, however, allows you to achieve stronger surround effects not only with sources recorded in THX Surround EX, but also with conventional 2- to 5.1 channel sources. The WIDE SCREEN mode is a mode for achieving surround sound with up to 7.1 channels using surround back speakers, for sources recorded in conventional Dolby Surround as well as Dolby Digital 5.1 channel and DTS Surround 5.1 channel sources. Furthermore, all the Denon original surround modes (☞ page 61 ~ 63) are compatible with 7.1 channel playback, so you can enjoy 7.1 channel sound with any signal source.

■ Numbers and types of surround back speakers

With THX Surround EX, the surround back channel consists of one channel of playback signals, but we recommend using two speakers. The modes that use the new ASA technology from THX (☞ page 165) are most effective when using two monopole type surround back speakers placed close together.

Using two speakers results in a smoother blend with the sound of the surround channels and better sound positioning of the surround back channel when listening from a position other than the center.

■ Placement of the surround left and right channels when using surround back speakers

Using surround back speakers greatly improves the positioning of the sound at the rear. Because of this, the surround left and right channels play an important role in achieving a smooth transition of the acoustic image from the front to the back. As shown on the diagram above, in a movie theater the surround signals are also produced from diagonally in front of the listeners, creating an acoustic image as if the sound were floating in space.

To achieve these effects, we recommend placing the speakers for the surround left and right channels slightly more towards the front than with conventional surround systems. Doing so sometimes increases the surround effect when playing conventional 5.1 channel sources in the THX Surround EX mode. Check the surround effects of the various modes before selecting the surround mode.

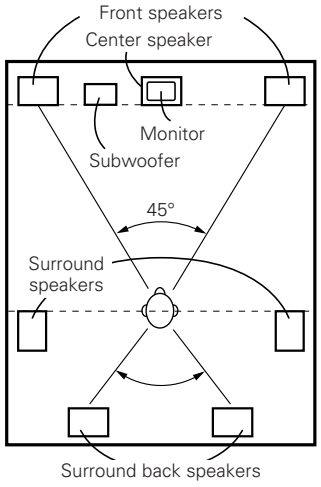
Speaker setting examples

Here we describe a number of speaker settings for different purposes. Use these examples as guides to set up your system according to the type of speakers used and the main usage purpose.

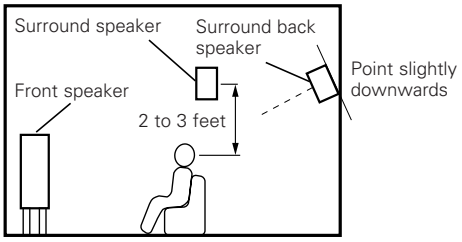
[1] For THX Surround EX systems (using surround back speakers)

① Basic setting for primarily watching movies

This is recommended when mainly playing movies and using regular single way or 2-way speakers for the surround speakers.



[As seen from above]



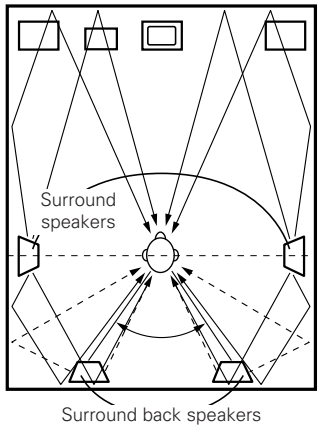
[As seen from the side]

- Set the front speakers with their front surfaces as flush with the TV or monitor screen as possible. Set the center speaker between the front left and right speakers and no further from the listening position than the front speakers.
- Consult the operating instructions for your subwoofer for advice on placing the subwoofer within the listening room.
- If the surround speakers are direct-radiating (monopolar) then place them slightly behind and at an angle to the listening position and parallel to the walls at a position 2 to 3 feet (60 to 90 centimeters) above ear level at the prime listening position.
- When using two surround back speakers, set them at the back facing front and with both speakers at the same distance from the listening point. When using one surround back speaker, place it at the rear center facing the front at a slightly higher position (0 to 0.7 feet) than the surround speakers.
- We recommend installing the surround back speaker(s) at a slightly downward facing angle. This effectively prevents the surround back channel signals from reflecting off the monitor or screen at the front center, resulting in interference and making the sense of movement from the front to the back less sharp.
- Connect the surround speakers to the surround speaker A terminals on the AVR-5805CI and set settings on the setup menu to "A". (This is the factory default setting (☞ page 153))

② Setting for primarily watching movies using diffusion type speakers for the surround speakers

For the greatest sense of surround sound envelopment, diffuse radiation speakers such as bipolar types, or dipolar (THX) types, provide a wider dispersion than is possible to obtain from a direct radiating speaker (monopolar). Place these speakers at either side of the prime listening position, mounted above ear level.

Path of the surround sound from the speakers to the listening position



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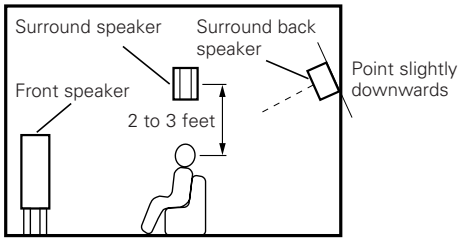


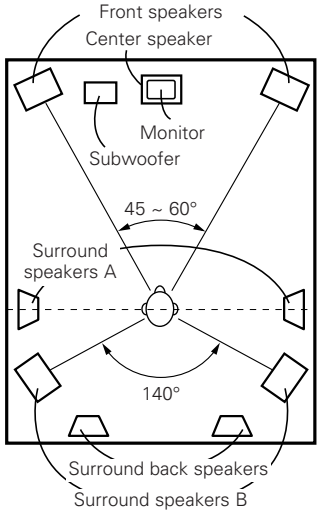
[As seen from the side]

Additional Information

- Set the front speakers, center speaker and subwoofer in the same positions as in example ①.
- It is best to place the surround speakers directly at the side or slightly to the front of the viewing position, and 2 to 3 feet (60 to 90 centimeters) above the ears.
- Same as surround back speaker installation method ①.
- Connect the surround speakers to the surround speaker A terminals on the AVR-5805CI and set settings on the setup menu to "A". (This is the factory default setting (☞ page 153))
- The signals from the surround channels reflect off the walls as shown on the diagram at the left, creating an enveloping and realistic surround sound presentation.
  For multi-channel music sources however, the use of bipolar or dipolar speakers mounted at the sides of the listening position may not be satisfactory in order to create a coherent 360 degree surround sound field. Connect another pair of direct radiating speakers as described in example ③ and place them at the rear corners of the room facing towards the prime listening position.

③ When using different surround speakers for movies and music

To achieve more effective surround sound for both movies and music, use different sets of surround speakers and different surround modes for the two types of sources.



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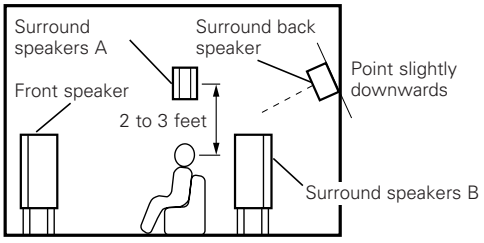


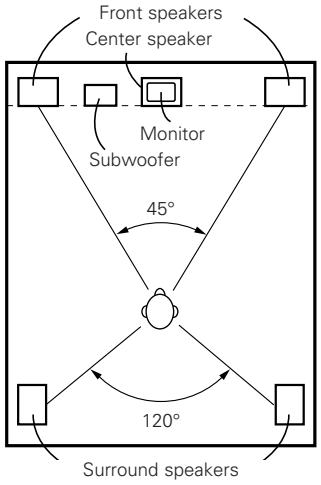
[As seen from the side]

- Set the front speakers slightly wider apart than the setup for watching movies only and point them toward the listening position in order assure clear positioning of the sound.
- Set the center speaker in the same positions as in example ①).
- Set surround speakers A for watching movies in the positions described in example ① or ②, depending on the types of speakers used.
- Set surround speakers B for playing multi-channel music at the same height as the front speakers and slightly at an angle to the rear of the listening position, and point them toward the listening position.
- Connect the surround speakers for watching movies to the surround speaker A terminals on the AVR-5805CI, the surround speakers for playing multi-channel music to the surround speaker B terminals. Set the surround speaker selection on the setup menu. (For instructions (☞ page 146, 147))
- To activate the appropriate speakers for movies and music, we suggest that during setup, choose Dolby Digital/DTS with THX and Surround Speakers A (the bipolar or dipolar speakers mounted at the sides of the listening position). Choose Dolby Digital/DTS without THX and Surround Speakers B (the direct radiating speakers mounted at the rear corners of the listening room). Then, by simply activating the THX function (used during movie playback, the Surround A speakers are automatically activated. For multi-channel music listening (Dolby Digital or DTS music programs), turn off the THX enhancements by touching the THX button on the remote control, and the Surround B speakers will be automatically activated.

  Example: Movie sources (Dolby, DTS Surround, etc.)
  "THX" or "THX 5.1" mode ··· Speakers A
  Music sources (DVD video, DTS CD, etc.)
  "Dolby/DTS Surround" ··· Speakers B

  ※ The speakers can be switched at the touch of a button by turning HOME THX CINEMA on when playing movies and off when playing multi-channel music.

[2] When not using surround back speakers



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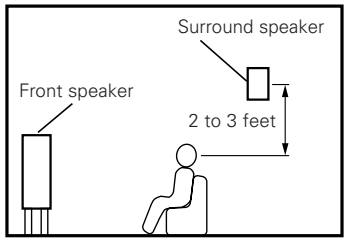

[As seen from the side]

- Set the front speakers with their front surfaces as flush with the TV or monitor screen as possible. Set the center speaker between the front left and right speakers and no further from the listening position than the front speakers.
- Consult the operating instructions for your subwoofer for advice on placing the subwoofer within the listening room.
- If the surround speakers are direct-radiating (monopolar) then place them slightly behind and at an angle to the listening position and parallel to the walls at a position 2 to 3 feet (60 to 90 centimeters) above ear level at the prime listening position.
- Connect the surround speakers to the surround speaker A terminals on the AVR-5805CI and set settings on the setup menu to "A". (This is the factory default setting (☞ page 153))
- The surround speakers can be switched freely during playback with the surround parameter adjustment (☞ page 45).

Surround

The AVR-5805CI is equipped with a digital signal processing circuit that lets you play program sources in the surround mode to achieve the same sense of presence as in a movie theater.

Dolby Surround

[1] Dolby Digital

Dolby Digital is the multi-channel digital signal format developed by Dolby Laboratories.
A total of 5.1 channels are played: 3 front channels ("FL", "FR" and "C"), 2 surround channels ("SL" and "SR") and the "LFE" channel for low frequencies.
Because of this, there is no crosstalk between channels and a realistic sound field with a "three-dimensional" feeling (sense of distance, movement and positioning) is achieved.
A real, overpowering sense of presence is achieved when playing movie sources in AV rooms as well.

[2] Dolby Pro Logic Ⅱ

Dolby Pro Logic Ⅱ is a matrix decoding technology developed by Dolby Laboratories. Regular music such as that on CDs is encoded into 5 channels to achieve an excellent surround effect.
The surround channel signals are converted into stereo and full band signals (with a frequency response of 20 Hz to 20 kHz or greater) to create a "three-dimensional" sound image offering a rich sense of presence for all stereo sources.

[3] Dolby Pro Logic Ⅱx

Dolby Pro Logic Ⅱx is a further improved version of the Dolby Pro Logic Ⅱ matrix decoding technology.
Audio signals recorded in 2 channels are decoded to achieve a natural sound with up to 7.1 channels.
There are three modes: "Music" suited for playing music, "Cinema" suited for playing movies, and "Game" which is optimum for playing games.

[4] Dolby Headphone

This is a three-dimensional sound technology developed jointly by Dolby Laboratories and Lake Technology Ltd. of Australia for achieving surround sound using regular headphones.
Previously, when using headphones all the sounds resonated inside the head and it was uncomfortable to listen with headphones for long periods of time. Dolby Headphone simulates speaker playback in a room and places the sound at the front or the sides, outside the head, to achieve a powerful sound like the sound of movie or home theaters. This technology is mainly for multichannel audio/video equipment with Dolby Digital or Dolby Pro Logic Surround decoding functions and works with a high performance digital signal processing (DSP) chip.
Dolby Headphone is effective not only for multichannel sources but also for stereo programs.
On the AVR-5805CI, it is possible to output signals encoded in the Dolby Headphone mode from the recording output terminal and record them on a separate recorder.

■ **Sources recorded in Dolby Surround**

Sources recorded in Dolby Surround are indicated with the following logo marks.

Dolby Surround support mark: DOLBY SURROUND

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

DTS Digital Surround

DTS Digital Surround is a digital surround format developed by Digital Theater Systems of the United States.
The number of playback channels and the playing band is the same as for Dolby Digital (5.1 channels).
The compression rate of the audio data when it was recorded on the medium is lower than for Dolby Digital, so there is more information when the data is decoded, resulting in richer, clearer sound quality.

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DTS-ES™

DTS-ES is a new surround format developed by Digital Theater Systems.
A sound image and sense of positioning can be achieved by adding a surround back ("SB") channel to the conventional 5.1 channels.

DTS-ES™ Discrete 6.1:

This is the latest format, in which all 6.1 channels, including the "SB" channel, are recorded independently. Since the different channels are independent, the sound can be designed with total freedom.

DTS-ES™ Matrix 6.1:

With this format, the "SB" channel is matrix-encoded and inserted into the "SL" and "SR" channels, then decoded for the "SL", "SR" and "SB" channels upon playback. This achieves a surround sound more faithful to the artist's sound design intentions than with conventional 5.1 or 6.1 channel systems.

DTS NEO:6 surround

This is a matrix decoding technology for 6.1 channel surround playback of 2 channel sources.
The optimum decoding for the type of signal source to be played can be selected. There are two modes.

DTS NEO:6 CINEMA:

This mode is suited for playing movies. It achieves the same type of sound as in a movie theater, even with 2 channels.

DTS NEO:6 MUSIC:

This mode is suited for playing music. A natural sense of expansion is added to the sound field.

DTS 96/24

DTS 96/24 is a multi-channel digital signal format developed by Digital Theater Systems.
The sampling frequency is raised to achieve 5.1 channel playback with high quality sound (sampling frequency: 96 kHz, quantization: 24 bits).

Home THX Cinema Surround

THX is an exclusive set of standards and technologies established by the world-renowned film production company, Lucasfilm Ltd. THX grew from George Lucas' personal desire to make your experience of the film soundtrack, in both movie theaters and in your home theater, as faithful as possible to what the director intended.
Movie soundtracks are mixed in special movie theaters called dubbing stages and are designed to be played back in movie theaters with similar equipment and conditions. The soundtrack created for movie theaters is then transferred directly onto Laserdisc, VHS tape, DVD, etc., and is not changed for playback in a small home theater environment.
THX engineers developed patented technologies to accurately translate the sound from the movie theater environment into the home, correcting the tonal and spatial errors that occur. On the AVR-5805CI, when the Home THX Cinema mode is on, THX post-processing is automatically added after the Dolby Pro Logic, Dolby Digital or DTS decoder:

Re-EQ™ (Re-Equalization):

The tonal balance of a film soundtrack will be excessively bright and harsh when played back over audio equipment in the home because film soundtracks are designed to be played back in large movie theaters using very different professional equipment. Re-Equalization restores the correct tonal balance for listening to a movie soundtrack in a normal home environment.

Timbre Matching™:

The human ear changes our perception of a sound depending on the direction from which the sound is coming. In a movie theater, there is an array of surround speakers so that the surround information is all around you. In a home theater, only two speakers located to the side of your head are used. The Timbre Matching feature filters the information going to the surround speakers so that they more closely match the tonal characteristics of the sound coming from the front speakers. This ensures seamless panning between the front and surround speakers.

Adaptive Decorrelation™:

In a movie theater, a large number of surround speakers help create an enveloping surround sound experience, while in a home theater there are usually only two speakers. This can make the surround speakers sound like headphones that lack spaciousness and envelopment. The surround sounds will also collapse into the closest speaker as you move away from the middle seating position. Adaptive Decorrelation slightly changes one surround channel's time and phase relationship with respect to the other surround channel. This expands the listening position and creates—with only two speakers—the same spacious surround experience as in a movie theater.

THX Ultra2™:

Before any home theater component can be THX Ultra2 certified, it must incorporate all the features above and also pass a rigorous series of quality and performance tests. Only then can a product feature the THX Ultra2 logo, which is your guarantee that the Home Theater products you purchase will give you superb performance for many years to come. THX Ultra2 requirements cover every aspect of the product including power amplifier performance, pre-amplifier performance and operation, as well as hundreds of other parameters in both the digital and analog domain.

In addition to improvements to the power amplifier with respect to previous THX Ultra standards, three surround modes have been added: the THX Ultra2 Cinema mode, THX Music Mode and THX Games Mode.

THX Ultra2 Cinema:

THX Ultra2 Cinema mode plays 5.1 movies using all 8 speakers giving you the best possible movie watching experience. In this mode, new THX processing blends the side surround speakers and back surround speakers providing the optimal mix of ambient and directional surround sounds.

DTS-ES (Matrix and 6.1 Discrete) and Dolby Digital Surround EX encoded soundtracks will be automatically detected in Ultra2 Cinema mode if the appropriate flag has been encoded.

Some Dolby Digital Surround EX soundtracks are missing the digital flag that allows automatic switching. If you know that the movie that you are watching is encoded in Surround EX, you can manually select the THX Surround EX playback mode, otherwise THX Ultra2 Cinema mode will apply processing to provide optimum replay.

THX Music Mode:

For the replay of 5.1 multi-channel music the THX Music Mode should be selected. In this mode new THX processing is applied to the surround channels of all 5.1 encoded music sources such as DTS and Dolby Digital to provide a wide stable rear soundstage.

THX Games Mode:

For the replay of stereo and multi-channel game audio the THX Games Mode should be selected. In this mode THX ASA processing is applied to the surround channels of all 5.1 and 2.0 encoded game sources such as analog, PCM, DTS and Dolby Digital. This accurately places all game audio surround information, providing a full 360 degree playback environment. THX Games Mode is unique as it gives you a smooth transition of audio in all points of the surround field.

ASA (Advanced Speaker Array):

ASA is a proprietary THX technology which processes the sound fed to 2 side and 2 back surround speakers to provide the optimal surround sound experience. When you set up your home theater system using all eight speaker outputs (Left, Center, Right, Surround Right, Surround Back Right, Surround Back Left, Surround Left and Subwoofer) placing the two Surround Back speakers close together facing the front of the room as shown in the diagram will provide the largest sweet spot. If for practical reasons you have to place the Surround Back speakers apart, you will need to go THX Audio Set-up screen and choose the setting that most closely corresponds to the speaker spacing, which will re-optimize the surround sound-field.

ASA is used in three new modes; THX Ultra2 Cinema, THX Music Mode and THX Games Mode.

Boundary Gain Compensation:

If your chosen listening room layout (for practical or aesthetic reasons) results in the most of the listeners being close to the rear wall, the resulting bass level can be sufficiently reinforced by the boundary that the overall sound quality becomes "boomy". THX Ultra2 receivers and controllers contain the BGC (Boundary Gain Compensation) feature to provide an improved bass balance. BGC can be selected by choosing "THX Ultra2 Subwoofer–Yes" from the "Boundary Gain Compensation" section of the THX Audio setup menu.

THX and Re-EQ, THX Timbre Matching, THX Adaptive Decorrelation, and THX Advanced Speaker Array are trademarks of THX Ltd. THX may be registered in some jurisdictions. All rights reserved.

■ THX™ Surround EX™

In 1999, a new surround system was launched simultaneously with the release of the movie "Star Wars Episode I". "Dolby Digital Surround EX" is a new movie sound track that greatly enhances the sense of spatial expression and the positioning of the surround channel sound. The result is 360 degrees of movement and moving sound effects that seem to pass right over the listener's head. This system was developed jointly by THX and Dolby Laboratories, fusing THX's idea of improving spatial expression and achieving a uniform 360 degree sound positioning with Dolby Laboratories' matrix encoding technology. Emphasis was placed on compatibility with the existing system Dolby Digital 5.1 channel, and the new "surround back (SB) channel" was added to achieve improvements over the conventional 5.1 channel system in terms of the positioning of the sound at the rear, the acoustic image of sound moving from the two sides to the back as well as sound moving from the front to the center rear with the multi surround speaker systems used in movie theaters, thereby enabling various types of surround sound. The surround back channel signal is a matrix-encoded signal inserted into both the Dolby Digital SL (surround left) and SR (surround right) channels. Upon playback, the signals are decoded by a high precision digital matrix decoder within the Dolby Digital decoder into the SL, SR and SB channels and output as 6.1 channels of signals. With the AVR-5805CI, the signals further undergo Home THX Cinema processing to achieve a THX Surround EX system. Even without the proper environment for playing the SB channel, Dolby Digital Surround EX signals are 100% compatible with existing 5.1 channel playback systems, so they can be played as such. In this case, the SB channel signal is produced as a monaural signal from both the SL and SR channels, so none of the signal components are missing. The effects specific to THX Surround EX (the sense of spatial expression and the positioning of the sound), however, are the same as with conventional 5.1 channel surround systems.

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Audyssey MultEQ XT

Audyssey MultEQ XT is a technology designed to provide the optimum listening environment for multiple listeners within the listening area. Test data collected from multiple listening points is analyzed comprehensively and equalization that improves the sound quality for the entire listening area is performed.
Audyssey MultEQ XT not only corrects frequency response problems in large listening areas, it also fully automates the surround system setup.
For a detailed description, see page 20.

Audyssey MULTEQ XT

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HDCD® (High Definition Compatible Digital®)

HDCD is an encoding/decoding technology that greatly reduces the distortion that occurs upon digital recording while maintaining compatibility with the conventional CD format, thus expanding the dynamic range and achieving a high resolution.
Conventional CDs and HDCD compatible CDs are identified automatically to select the optimum digital processing.

HDCD

- HDCD®, HDCD®, High Definition Compatible Digital® and Microsoft® are either registered trademarks or trademarks of Microsoft Corporation, Inc. in the United States and/or other countries. HDCD system manufactured under license from Microsoft Corporation, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.

About IEEE1394

IEEE1394 is an international standard established by the "IEEE" (Institute of Electrical and Electronics Engineers) of the United States.
The AVR-5805CI can be connected to an IEEE1394 compatible device using an IEEE1394 cable to enable digital transfer of multi-channel audio sources (DVD Audio discs, Super Audio CDs, etc.) with a single cable.

- The AVR-5805CI's transfer format is compatible with A&M protocol.
  In addition to A&M protocol, IEEE1394 transfer formats also include MPEG-TS, DV, etc.
- The AVR-5805CI is compatible with a data transfer speed of up to S400.
  The IEEE1394 maximum data transfer speeds are defined as approximately 100, 200 or 400 Mbps, expressed respectively as S100, S200 and S400. When S100 or S200 devices are connected, the actually transfer rate may be slower than 400 Mbps, depending on the device's specifications. As far as possible, interconnect devices with the same maximum data transfer rate.
- The AVR-5805CI is compatible with the DTCP (Digital Transmission Content Protection) system.

■ Copyright protection system

In order to play the sound of DVD Audio discs, Super Audio CDs or DVDs (aside from freely copiable discs) using IEEE1394 connections, both the player and receiver must be compatible with the DTCP (Digital Transmission Content Protection) system.
DTCP is a copy protection technology that involves data encryption and authentication of the other device. Refer to your player's operating instructions.

The AVR-5805CI's IEEE1394 device interface is designed based on the standards below.
1) IEEE Std. 1394a-2000, Standard for High Performance Serial Bus
2) Audio and Music Data Transmission Protocol 2.0
It is compatible with IEC60958 bit stream, DVD-Audio and Super Audio CD within AM824 sequence adaptation layers within these standards.

About HDMI

"HDMI" is the abbreviation of "High-Definition Multimedia Interface".
This is a digital interface standard for next generation TVs developed based on the DVI (Digital Visual Interface) used for computer displays, etc., and optimized for use in non-professional equipment. With it, non-compressed digital video and multi-channel audio signals can be transferred with a single connector, eliminating the need to use separate cables for the picture and sound and making it possible to make connectors smaller. HDMI is also compatible with HDCP (High-bandwidth Digital Contents Protection), a technology for protecting copyrights that encrypts digital video signals in the same was as with DVI.

HDMI

- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

DENON LINK

DENON LINK is a DENON-exclusive digital link for transmitting high speed, high sound quality digital audio signals with no loss in of signal.
High quality sound playback is possible by connecting to a DENON DVD player with a DENON LINK terminal.

Advanced AL24 Processing

■ Equipped with "Advanced AL24 Processing" – time base area data quantity extension

In addition to "AL24 Processing Plus", the conventional bit extension technology, the PCM signal (CD/digital) playback system also includes the newly developed "Advanced AL24 Processing", a unique high speed signal detection and processing technology that greatly improves the amount of data in the time base area. In addition to extension of the original 16-bit data into 24 bits, "Advanced AL24 Processing" conducts data interpolation on the time axis, in other words up-convert sampling, to achieve natural interpolation processing without harming the original data. In addition, the digital filter offers expanded flexibility, including pulse response with no ringing. Optimum filtering processing is performed even for pulsive music data and attack sounds. All this makes it possible to recreate the delicate nuances of the music and such space information as the positions of the performers, the width, height and depth of the place of the performance (stage), and so on.

Windows Media Connect

This is a media server provided free of charge by Microsoft since October 2004.
It operates with all types of music jukebox programs, but is optimum with Windows Media Player Ver. 10.
Windows Media Connect can be used to play playlists created on jukebox software such as Windows Media Player Ver. 10, as well as WMA, DRM WMA, MP3 and WAV files.

■ Explanation for installing Windows Media Connect

1. If installation of Windows XP Service Pack 2 is not yet complete, either download free of charge from Microsoft or via the Windows Update installer.
2. Download the latest version of Windows Media Player Ver. 10 either directly from Microsoft or using the Windows Update installer.
3. Download Windows Media Connect (usable since October 12, 2004) either directly from Microsoft or using the Windows Update installer.

vTuner

This is an Internet radio free online contents server. Note that usage fess are included in upgrade costs.
For inquiries about this service, visit the vTuner site below.
vTuner website: http://www.radiodenon.com

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Windows Media DRM

A copyright-protected technology developed by Microsoft.

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- Content providers are using the digital rights management technology for Windows Media contained in this device ("WM-DRM") to protect the integrity of their content ("Secure Content") so that their intellectual property, including copyright, in such content is not misappropriated. This device uses WM-DRM software to play Secure Content ("WM-DRM Software"). If the security of the WM-DRM Software in this device has been compromised, owners of Secure Content ("Secure Content Owners") way request that Microsoft revoke the WM-DRM Software's right to acquire new licenses to copy, display and/or play Secure Content. Revocation does not alter the WM-DRM Software's ability to play unprotected content. A list of revoked WM-DRM Software is sent to your device whenever you download a license for Secure Content from the Internet or from PC. Microsoft may, in conjunction with such license, also download revocation list onto your device on behalf of Secure Content Owners.

Surround modes and parameters

Surround Mode	Signals and adjustability in the different modes													
	Channel output					Parameter (default values are shown in parentheses)								
	FRONT L/R	CENTER	SURROUND L/R	SURROUND BACK L/R	SUB-WOOFER	D. COMP *1	LFE *2	AFDM *2	SB CH OUT (MODE)	TONE CONTROL	CINEMA EQ.	MODE (DECODER)	ROOM SIZE	EFFECT LEVEL
PURE DIRECT, DIRECT	○	×	×	×	◎	○ (OFF)	○ (0 dB)	×	×	×	×	×	×	×
DSD DIRECT	○	×	×	×	◎	×	○ (0 dB)	×	×	×	×	×	×	×
DSD MULTI DIRECT	○	◎	◎	◎	◎	×	○ (0 dB)	×	○	×	×	×	×	×
MULTI CH DIRECT	○	◎	◎	◎	◎	×	○ (0 dB)	○ (ON)	○	×	×	×	×	×
STEREO	○	×	×	×	◎	○ (OFF)	○ (0 dB)	×	×	○ (0 dB)	×	×	×	×
EXT. IN	○	◎	◎	◎	◎	×	×	×	×	×	×	×	×	×
MULTI CH IN	○	◎	◎	◎	◎	×	○ (0 dB)	○ (ON)	○	○ (0 dB)	×	×	×	×
WIDE SCREEN	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	○ (OFF)	×	×	○ (ON, 10)
HOME THX CINEMA (2ch)	○	◎	◎	◎	◎	×	×	×	○	×	×	○ (PLⅡx C)	×	×
HOME THX CINEMA (5.1ch)	○	◎	◎	◎	◎	×	○ (0 dB)	○ (ON)	○	×	×	×	×	×
DOLBY PRO LOGIC Ⅱx	○	◎	◎	◎	◎	○ (OFF)	×	×	○	○ (0 dB)	○ (NOTE3)	○ (CINEMA)	×	×
DOLBY PRO LOGIC Ⅱ	○	◎	◎	×	◎	○ (OFF)	×	×	○	○ (0 dB)	○ (NOTE4)	○ (CINEMA))	×	×
DTS NEO:6	○	◎	◎	◎	◎	○ (OFF)	×	×	○	○ (0 dB)	○ (NOTE3)	○ (CINEMA)	×	×
DOLBY DIGITAL	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	○ (ON)	○	○ (0 dB)	○ (OFF)	×	×	×
DTS SURROUND	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	○ (ON)	○	○ (0 dB)	○ (OFF)	×	×	×
9CH STEREO	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	×	×
SUPER STADIUM	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (NOTE1)	×	×	○ (Medium)	○ (10)
ROCK ARENA	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (NOTE2)	×	×	○ (Medium)	○ (10)
JAZZ CLUB	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	○ (Medium)	○ (10)
CLASSIC CONCERT	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	○ (Medium)	○ (10)
MONO MOVIE	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	○ (Medium)	○ (10)
VIDEO GAME	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	○ (Medium)	○ (10)
MATRIX	○	◎	◎	◎	◎	○ (OFF)	○ (0 dB)	×	○	○ (0 dB)	×	×	×	×
VIRTUAL	○	×	×	×	◎	○ (OFF)	○ (0 dB)	×	×	○ (0 dB)	×	×	×	×

○ : Signal / Adjustable
× : No signal / Not adjustable
◎ : Turned on or off by speaker configuration setting

○ : Able
× : Unable
NOTE1 : BASS +6 dB, TREBLE 0 dB
NOTE2 : BASS +6 dB, TREBLE +4 dB
NOTE3 : This parameter is availabe when the “MODE” is set to “CINEMA”.
NOTE4 : This parameter is availabe when the “MODE” is set to “CINEMA” or “PL”.
*1: When playing Dolby Digital and DTS signals.
*2: When playing Dolby Digital, DTS, DVD-Audio and Super Audio CD.

Surround Mode	Signals and adjustability in the different modes							
	Parameter (default values are shown in parentheses)							
	Dolby Digital	DELAY TIME	SUBWOOFER ON/OFF	PRO LOGIC Ⅱ/Ⅱx MUSIC MODE only			NEO:6 MUSIC MODE only	EXT. IN only
	NIGHT mode			PANORAMA	DIMENSION	CENTER WIDTH	CENTER IMAGE	SW ATT
PURE DIRECT, DIRECT	○ (OFF)	×	○	×	×	×	×	×
DSD DIRECT	×	×	○	×	×	×	×	×
DSD MULTI DIRECT	×	×	×	×	×	×	×	×
MULTI CH DIRECT	×	×	×	×	×	×	×	×
STEREO	○ (OFF)	×	×	×	×	×	×	×
EXT. IN	×	×	×	×	×	×	×	○
MULTI CH IN	×	×	×	×	×	×	×	×
WIDE SCREEN	○ (OFF)	×	×	×	×	×	×	×
HOME THX CINEMA (2ch)	○ (OFF)	×	×	×	×	×	×	×
HOME THX CINEMA (5.1ch)	○ (OFF)	×	×	×	×	×	×	×
DOLBY PRO LOGIC Ⅱx	○ (OFF)	×	×	○ (OFF)	○ (3)	○ (3)	×	×
DOLBY PRO LOGIC Ⅱ	○ (OFF)	×	×	○ (OFF)	○ (3)	○ (3)	×	×
DTS NEO:6	○ (OFF)	×	×	×	×	×	○ (0.3)	×
DOLBY DIGITAL	○ (OFF)	×	×	×	×	×	×	×
DTS SURROUND	×	×	×	×	×	×	×	×
9CH STEREO	○ (OFF)	×	×	×	×	×	×	×
SUPER STADIUM	○ (OFF)	×	×	×	×	×	×	×
ROCK ARENA	○ (OFF)	×	×	×	×	×	×	×
JAZZ CLUB	○ (OFF)	×	×	×	×	×	×	×
CLASSIC CONCERT	○ (OFF)	×	×	×	×	×	×	×
MONO MOVIE	○ (OFF)	×	×	×	×	×	×	×
VIDEO GAME	○ (OFF)	×	×	×	×	×	×	×
MATRIX	○ (OFF)	○ (30 msec)	×	×	×	×	×	×
VIRTUAL	○ (OFF)	×	×	×	×	×	×	×

○ : Signal / Adjustable
× : No signal / Not adjustable
◎ : Turned on or off by speaker configuration setting

■ Differences in surround mode names depending on the input signals

Button / Surround Mode	Note	Input signals: ANALOG	LINEAR PCM	DTS: DTS ES DSCRT (With Flag)	DTS: DTS ES MTRX (With Flag)	DTS: DTS (5.1ch)	DTS: DTS 96/24	DOLBY DIGITAL: DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL: DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL: DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL: DOLBY DIGITAL (3, 4, 5ch)	DOLBY DIGITAL: DOLBY DIGITAL (2ch)	DVD-AUDIO: DVD-Audio (multi ch)	DVD-AUDIO: DVD-Audio (2ch)	DVD-AUDIO: 176.4/192kHz	Super Audio CD: DSD (multi ch)	Super Audio CD: DSD (2ch)
HOME THX CINEMA																	
ES DSCRT6.1 + THX	*1	×	×	◎	×	×	×	×	×	×	×	×	×	×	×	×	×
ES MTRX6.1 + THX	*1	×	×	×	◎	○	○	×	×	×	×	×	×	×	×	×	×
THX SURROUND EX	*1	×	×	×	×	×	×	◎	○	○	○	×	○	×	×	○	×
THX Ultra2 Cinema	*2	×	×	○	○	○	○	○	○	○	○	×	○	×	×	○	×
THX Music Mode	*2	×	×	○	○	○	○	○	○	○	○	×	○	×	×	○	×
THX Games mode	*2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
THX 5.1		×	×	○	○	○	○	○	○	○	○	×	○	×	×	○	×
PLⅡx C + THX	*4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
PLⅡ C + THX		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PL + THX		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
NEO:6 + THX		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
STANDARD																	
DTS SURROUND																	
DTS ES DSCRT6.1	*1	×	×	● ◎	×	×	×	×	×	×	×	×	×	×	×	×	×
DTS ES MTRX6.1	*1	×	×	×	● ◎	×	×	×	×	×	×	×	×	×	×	×	×
DTS SURROUND		×	×	○	○	●	×	×	×	×	×	×	×	×	×	×	×
DTS 96/24		×	×	×	×	×	●	×	×	×	×	×	×	×	×	×	×
DTS + PLⅡx CINEMA	*2	×	×	○	○	○	○	×	×	×	×	×	×	×	×	×	×
DTS + PLⅡx MUSIC	*1	×	×	○	○	○	○	×	×	×	×	×	×	×	×	×	×
DTS + NEO:6	*1	×	×	×	○	○	○	×	×	×	×	×	×	×	×	×	×
DTS NEO:6 CINEMA		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DTS NEO:6 MUSIC		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY SURROUND																	
DOLBY DIGITAL EX	*1	×	×	×	×	×	×	○	○	○	○	×	×	×	×	×	×
DOLBY DIGITAL		×	×	×	×	×	×	○	●	●	●	×	×	×	×	×	×
DOLBY DIGITAL+PLⅡx CINEMA	*2	×	×	×	×	×	×	● ◎	○	○	○	×	×	×	×	×	×
DOLBY DIGITAL+PLⅡx MUSIC	*1	×	×	×	×	×	×	○	○	○	○	×	×	×	×	×	×
DOLBY PRO LOGIC Ⅱx CINEMA		○	○	×	×	×	×	×	×	×	×	●	×	○	○	×	○
DOLBY PRO LOGIC Ⅱx MUSIC		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PRO LOGIC Ⅱx GAME		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PRO LOGIC Ⅱ CINEMA		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PRO LOGIC Ⅱ MUSIC		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PRO LOGIC Ⅱ GAME		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
DOLBY PRO LOGIC		○	○	×	×	×	×	×	×	×	×	○	×	○	○	×	○
MULTI CH IN																	
MULTI CH IN		×	×	×	×	×	×	×	×	×	×	×	●	×	×	●	×
MULTI IN + PLⅡx CINEMA	*2	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
MULTI IN + PLⅡx MUSIC	*1	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×

Button / Surround Mode	Note	Input signals															
				DTS				DOLBY DIGITAL					DVD-AUDIO			Super Audio CD	
		ANALOG	LINEAR PCM	DTS ES DSCRT (With Flag)	DTS ES MTRX (With Flag)	DTS (5.1ch)	DTS 96/24	DOLBY DIGITAL EX (With Flag)	DOLBY DIGITAL EX (With no Flag)	DOLBY DIGITAL (5.1ch)	DOLBY DIGITAL (3, 4, 5ch)	DOLBY DIGITAL (2ch)	DVD-Audio (multi ch)	DVD-Audio (2ch)	176.4/ 192kHz	DSD (multi ch)	DSD (2ch)
DIRECT																	
DIRECT		○	○	○	○	○	○	○	○	○	○	○	×	○	○	×	×
DSD DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	○
DSD MULTI DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	○	×
MULTI CH DIRECT		×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
M DIRECT + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
M DIRECT + PLIIx MUSIC	*1	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
PURE DIRECT																	
PURE DIRECT		○	○	○	○	○	○	○	○	○	○	○	×	○	○	×	×
DSD PURE DIRECT		×	×	×	×	×	×	×	×	×	×	×	×	×	×	×	○
DSD MULTI PURE		×	×	×	×	×	×	×	×	×	×	×	×	×	×	○	×
MULTI CH PURE DIRECT		×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
M PURE D + PLIIx CINEMA	*2	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
M PURE D + PLIIx MUSIC	*1	×	×	×	×	×	×	×	×	×	×	×	○	×	×	○	×
DSP SIMULATION																	
WIDE SCREEN		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SUPER STADIUM		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
ROCK ARENA		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
JAZZ CLUB		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CLASSIC CONCERT		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MONO MOVIE		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VIDEO GAME		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
MATRIX		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VIRTUAL		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
9CH STEREO	*3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
STEREO																	
STEREO		●	●	○	○	○	○	○	○	○	○	○	○	●	●	○	●

● : Mode selectable in initial status
◎ : Mode fixed when AFDM is ON
○ : Selectable mode
× : Non-selectable mode

NOTE :

*1: This mode is not available when the Surround Back speaker setup is set to "None".
*2: This mode is not available when the Surround Back speaker setup is set to "1spkr" or "None".
*3: If the Surround Back speaker setup is set to "None" and/or the surround (B) speaker setup is set to "None", then "7CH STEREO" or "5CH STEREO" is displayed.
*4: For input signals other than 2 channel signals, this mode cannot be selected when surround back speaker is set to "1spkr" or "None".

Relationship between the video input signal and monitor output according to the video convert mode settings of MAIN ZONE

Video convert	Input signals				MONITOR OUT			
	HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO
ON	×	×	×	×	×	×	×	×
	×	×	×	O	VIDEO	VIDEO	VIDEO	VIDEO
	×	×	O	×	S-VIDEO	S-VIDEO	S-VIDEO	S-VIDEO
	×	×	O	O	S-VIDEO	S-VIDEO	S-VIDEO	S-VIDEO
	×	O (1080p)	×	×	×	COMPONENT	×	×
	×	O (480p ~ 720p)	×	×	COMPONENT	COMPONENT	×	×
	×	O (480i/576i)	×	×	COMPONENT	COMPONENT	COMPONENT	COMPONENT
	×	O (1080p)	×	O	VIDEO	COMPONENT ✻1	VIDEO	VIDEO
	×	O (480p ~ 720p)	×	O	COMPONENT ✻1	COMPONENT ✻1	VIDEO ✻3	VIDEO
	×	O (480i/576i)	×	O	COMPONENT ✻1	COMPONENT ✻1	COMPONENT ✻1	VIDEO
	×	O (1080p)	O	×	S-VIDEO	COMPONENT ✻2	S-VIDEO	S-VIDEO
	×	O (480p ~ 720p)	O	×	COMPONENT ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	×	O (480i/576i)	O	×	COMPONENT ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	×	O (1080p)	O	O	S-VIDEO	COMPONENT ✻2	S-VIDEO	S-VIDEO
	×	O (480p ~ 720p)	O	O	COMPONENT ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	×	O (480i/576i)	O	O	COMPONENT ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	×	×	×	HDMI	×	×	×
	O	×	×	O	HDMI	VIDEO ✻2	VIDEO	VIDEO
	O	×	O	×	HDMI	S-VIDEO ✻2	S-VIDEO	S-VIDEO
	O	×	O	O	HDMI	S-VIDEO ✻2	S-VIDEO	S-VIDEO
	O	O (1080p)	×	×	HDMI	COMPONENT	×	×
	O	O (480p ~ 720p)	×	×	HDMI	COMPONENT	×	×
	O	O (480i/576i)	×	×	HDMI	COMPONENT	COMPONENT	COMPONENT
	O	O (1080p)	×	O	HDMI ✻1	COMPONENT ✻1	VIDEO	VIDEO
	O	O (480p ~ 720p)	×	O	HDMI ✻1	COMPONENT ✻1	VIDEO ✻3	VIDEO
	O	O (480i/576i)	×	O	HDMI ✻1	COMPONENT ✻1	COMPONENT ✻1	VIDEO
	O	O (1080p)	O	×	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	O (480p ~ 720p)	O	×	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	O (480i/576i)	O	×	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	O (1080p)	O	O	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	O (480p ~ 720p)	O	O	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO
	O	O (480i/576i)	O	O	HDMI ✻2	COMPONENT ✻2	S-VIDEO	S-VIDEO

O : Signal input
× : No signal
480p ~ 720p : 480p/576p/1080i/720p

× : Not output
✻1 : On screen display superimposed on video signal and output.
✻2 : On screen display superimposed on S-Video signal and output.
✻3 : Video signals are not output when the analog to HDMI convert function is set to "ON".
: On screen display only displayed for **SYSTEM SETUP**, **SURROUND PARAMETER** (except the HDMI monitor out) and **ON SCREEN** button.
: When "OFF" is selected for the "Analog to HDMI Convert" setting, no video signals other than the HDMI input signal are output.
: Including the contents of and above.

- The MAIN ZONE video conversion function is compatible with the following format: NTSC, PAL, SECAM, NTSC4.43, PAL-N, PAL-M and PAL-60.
- When SECAM signals of video input are up-converted, the signals are output in PAL format from the S-Video terminal .
- When the input signal is set to component video 1080p, the signals cannot be output to the HDMI monitor output terminal.

- HDMI MONITOR OUT:
  When there is no HDMI input signal and "HDMI" is selected for the "Scaler" setting, the signal is output as set with the "Resolution" setting.
  When "Component" is selected for the "Scaler" setting, the signal is output with the same resolution as the input signal.
- COMPONENT MONITOR OUT:
  When "Component" is selected for the "Scaler" setting, the signal is output as set with the "Resolution" setting. However, the output resolution is limited to a maximum of 480p/576p if the input signal is copyright-protected.

Video convert	S-VIDEO MONITOR OUT	Input signals				MONITOR OUT			
		HDMI	COMPONENT	S-VIDEO	VIDEO	HDMI	COMPONENT	S-VIDEO	VIDEO
OFF	–	×	×	×	×	× ✳1	× ✳1	× ✳1	×
	–	×	×	×	○	× ✳1	× ✳1	× ✳1	VIDEO
	–	×	×	○	×	× ✳2	× ✳2	S-VIDEO	× ✳2
	Used	×	×	○	○	× ✳2	× ✳2	S-VIDEO	VIDEO ✳2
	Not used	×	×	○	○	× ✳1	× ✳1	S-VIDEO ✳1	VIDEO
	–	×	○	×	×	× ✳1	COMPONENT ✳1	× ✳1	×
	–	×	○	×	○	× ✳1	COMPONENT ✳1	× ✳1	VIDEO
	–	×	○	○	×	× ✳2	COMPONENT ✳2	S-VIDEO	× ✳2
	Used	×	○	○	○	× ✳2	COMPONENT ✳2	S-VIDEO	VIDEO ✳2
	Not used	×	○	○	○	× ✳1	COMPONENT ✳1	S-VIDEO ✳1	VIDEO
	–	○	×	×	×	HDMI ✳1	× ✳1	× ✳1	×
	–	○	×	×	○	HDMI ✳1	× ✳1	× ✳1	VIDEO
	–	○	×	○	×	HDMI ✳2	× ✳2	S-VIDEO	× ✳2
	Used	○	×	○	○	HDMI ✳2	× ✳2	S-VIDEO	VIDEO ✳2
	Not used	○	×	○	○	HDMI ✳1	× ✳1	S-VIDEO ✳1	VIDEO
	–	○	○	×	×	HDMI ✳1	COMPONENT	× ✳1	×
	–	○	○	×	○	HDMI ✳1	COMPONENT	× ✳1	VIDEO
	–	○	○	○	×	HDMI ✳2	COMPONENT	S-VIDEO	× ✳2
	Used	○	○	○	○	HDMI ✳2	COMPONENT	S-VIDEO	VIDEO ✳2
	Not used	○	○	○	○	HDMI ✳1	COMPONENT	S-VIDEO ✳1	VIDEO

○ : Signal input
× : No signal

× : Not output
✳1 : On screen display superimposed on video signal and output.
✳2 : On screen display superimposed on S-Video signal and output.
▭ : On screen display only displayed for **SYSTEM SETUP**, **SURROUND PARAMETER** (except the HDMI monitor out) and **ON SCREEN** button.

- When "Analog to HDMI Convert" is set to "OFF", no signals other than the HDMI input signals are output to the HDMI monitor output terminal.

Relationship between the video input signal and monitor output according to the VIDEO CONVERT MODE settings of ZONE2

VIDEO CONVERT Mode	Input signals			MONITOR OUT		
	COMPONENT	S-VIDEO	VIDEO	COMPONENT	S-VIDEO	VIDEO
ON	×	×	○	VIDEO	VIDEO	VIDEO
	×	○	×	S-VIDEO	S-VIDEO	S-VIDEO
	×	○	○	S-VIDEO	S-VIDEO	S-VIDEO
	○	×	×	COMPONENT	×	×
	○	×	○	COMPONENT ✳1	VIDEO	VIDEO
	○	○	×	COMPONENT ✳2	S-VIDEO	S-VIDEO
	○	○	○	COMPONENT ✳2	S-VIDEO	S-VIDEO

VIDEO CONVERT Mode	S-VIDEO MONITOR OUT	Input signals			MONITOR OUT		
		COMPONENT	S-VIDEO	VIDEO	COMPONENT	S-VIDEO	VIDEO
OFF	–	×	×	○	×	×	VIDEO
	–	×	○	×	×	S-VIDEO	×
	Used	×	○	○	×	S-VIDEO	✳ VIDEO
	Not used	×	○	○	×	–	VIDEO
	–	○	×	×	COMPONENT	×	×
	–	○	×	○	COMPONENT ✳1	×	VIDEO
	–	○	○	×	COMPONENT ✳2	S-VIDEO	×
	Used	○	○	○	COMPONENT ✳2	S-VIDEO	✳ VIDEO
	Not used	○	○	○	COMPONENT ✳1	–	VIDEO

○ : Signal input
× : No signal

× : Not output
✳ VIDEO : No on screen display
COMPONENT : On screen display only displayed for **SYSTEM SETUP**, **SURROUND PARAMETER** and **ON SCREEN** button.
COMPONENT ✳1 : On screen display superimposed on video signal and output
COMPONENT ✳2 : On screen display superimposed on S-Video signal and output

- The ZONE2 video conversion function is compatible with the NTSC and PAL formats.

Specifications

■ Audio section

- **Power amplifier**

Rated output:
Front:
170 W + 170 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
200 W + 200 W (6 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
Center:
170 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
200 W (6 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
Surround (A, B):
170 W + 170 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
200 W + 200 W (6 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
Surround Back:
170 W + 170 W (8 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)
200 W + 200 W (6 Ω/ohms, 20 Hz ~ 20 kHz with 0.05 % T.H.D.)

Dynamic power: 190 W x 2 ch (8 Ω/ohms)
310 W x 2 ch (4 Ω/ohms)

Output terminals: All channels 6 ~ 16 Ω/ohms

- **Analog**

Input sensitivity / input impedance: 200 mV / 47 kΩ/kohms
Frequency response: 10 Hz ~ 100 kHz: +0, –3 dB (DIRECT mode)
S/N: 105 dB (DIRECT mode)
Distortion: 0.005 % (20 Hz ~ 20 kHz) (DIRECT mode)
Rated output: 1.2 V

- **Digital**

D/A output: Rated output — 2 V (at 0 dB playback)
Total harmonic distortion — 0.003 % (1 kHz, at 0 dB)
S/N ratio — 125 dB
Dynamic range — 117 dB

Digital input: Format — Digital audio interface

- **Phono equalizer (PHONO input — REC OUT)**

Input sensitivity: 2.5 mV
RIAA deviation: ±1 dB (20 Hz to 20 kHz)
S/N: 74 dB (A weighting, with 5 mV input)
Rated output / Maximum output: 150 mV / 8 V
Distortion factor: 0.03 % (1 kHz, 3 V)

■ Video section

- **Standard video terminals**

Input / output level and impedance: 1 Vp-p, 75 Ω/ohms
Frequency response: 5 Hz ~ 10 MHz — +0, –3 dB

- **S-Video terminals**

Input / output level and impedance: Y (brightness) signal — 1 Vp-p, 75 Ω/ohms
C (color) signal — 0.286 Vp-p, 75 Ω/ohms

Frequency response: 5 Hz ~ 10 MHz — +0, –3 dB

- **Color component video terminal**

Input / output level and impedance: Y (brightness) signal — 1 Vp-p, 75 Ω/ohms
P_B/C_B signal — 0.7 Vp-p, 75 Ω/ohms
P_R/C_R signal — 0.7 Vp-p, 75 Ω/ohms

Frequency response: 5 Hz ~ 100 MHz — +0, –3 dB

■ Tuner section

		[FM] (note: µV at 75 Ω/ohms, 0 dBf = 1 x 10^{-15} W)	[AM]
Receiving Range:		87.5 MHz ~ 107.9 MHz	520 kHz ~ 1710 kHz
Usable Sensitivity:		1.0 µV (11.2 dBf)	18 µV
50 dB Quieting Sensitivity:	MONO	1.6 µV (15.3 dBf)	
	STEREO	23 µV (38.5 dBf)	
S/N (IHF-A):	MONO	77 dB	50 dB
	STEREO	72 dB	
Total Harmonic Distortion (at 1 kHz):	MONO	0.15 %	
	STEREO	0.3 %	

■ General

Power supply:	AC 120 V, 60 Hz
Power consumption:	13 A
	1 W Max (Standby)
Maximum external dimensions:	434 (W) x 280 (H) x 505 (D) mm (17-3/32″ x 11-1/32″ x 19-7/8″)
Mass:	44.0 kg (97 lbs)

■ Remote control unit (RC-1036)

Batteries:	LR6/AA Type (two batteries)
External dimensions:	63 (W) x 238 (H) x 31 (D) mm (2-31/64″ x 9-3/8″ x 1-7/32″)
Mass:	190 g (Approx. 6.7 oz) (including batteries)

* For purposes of improvement, specifications and design are subject to change without notice.

List of preset codes / Liste de codes préréglés

DVD

3D Lab	40539
Acoustic Solutions	40713, 40730, 41242
Advent	41016
AEG	40770, 40790
AFK	41051
Afreey	40698
Aim	40699, 40778, 40833, 41165
Airis	41250
Aiwa	40533, 40641
Akai	40690, 40705, 40770, 40790, 40884, 40899, 41089, 41115
Akira	40699
Akura	41051
Alba	40539, 40672, 40695, 40699, 40713, 40717, 40730, 40783, 41051
Alco	40790
Allegro	40869
Amitech	40770, 40784, 40850
Amphion Media Works	40872
Amstrad	40713
AMW	40872
Ansonic	40774, 40831
Apex	40672, 41061
Apex Digital	40672, 40717, 40755, 40794, 40796, 40797, 40830, 41004, 41020, 41056, 41061, 41100
Arianet	40770
Aspire Digital	41168, 41407
Audiosonic	40690, 41265
Audiovox	40717, 40790, 41041, 41071, 41072, 41121, 41122
Awa	40730, 40872
Axion	40730, 41071, 41072
B & K	40655, 40662
Basic Line	40713
Baze	41165
Bellagio	41004
Black Diamond	40698, 40713, 40833, 40884
Blaupunkt	40717
Blue Parade	40571
Blue Sky	40651, 40672, 40695, 40713, 40769, 40778, 40804
Boghe	41004
Boman	40783
Brainwave	40770, 41115
Brandt	40503, 40651
Broksonic	40695, 40868
Bush	40516, 40672, 40690, 40695, 40699, 40713, 40717, 40730, 40778, 40831, 40833, 40884, 41051, 41165
C-Tech	40798
Cambridge Soundworks	40690
Cat	40699, 41087
CAVS	41057
CCE	40730
Celestial	41020
Centrex	40672, 41004
Centrum	40713
CGV	41115
Changhong	40627, 41061
Cinea	40831
Cineral	40730
Cinetec	40713
cineULTRA	40699
CineVision	40833, 40869, 40876
Citizen	41277
Classic	40730, 41730
Clatronic	40672, 41165
Clayton	40713
Coby	40730, 40770, 40778, 40852, 41086, 41107, 41115, 41165, 41177, 41351
Compacks	40826, 41265
Conia	40516, 40672, 40798, 40852, 41004
Continental Edison	40768, 40831
Craig	40831
Crown	40690, 40769, 40770, 41115
Curtis Mathes	41087
Cybercom	40831
CyberHome	40816, 40874, 41023, 41024, 41117, 41129
Cydectin	41074
Cytron	40651, 40774
D-Vision	41115
Daenyx	40872
Daewoo	40705, 40770, 40784, 40833, 40869, 40872, 41169, 41172, 41234, 41242
Daewoo International	40872
Dansai	40770, 40783, 41115
Dantax	40539, 40713, 40790, 41089
Daytek	40872
Dayton	40872
DCE	40831
DEC	40774, 40778
Decca	40770, 41115
Denon	40490, 40634, ***[41470]**, 41634

Denver	40699, 40778, 41107, 41165, 41353, 41359
Desav	40770
Desay	40800, 41407
Diamond	40651, 40768, 40790
Dick Smith Electronics	40833, 41730
Digihome	40713
digiRED	40717
Digitor	40651, 40690
Digitrex	40672, 41056, 41100
DIGIXmedia	40826
DiK	40774, 40831
Disney	40675, 41270
DiViDo	40705
DK Digital	40831
DMTech	40783
Dragon	40831
DSE	40833, 41730
Dual	40651, 40713, 40730, 40783, 40790, 40831, 41068, 41085
Durabrand	40713, 40831, 41003, 41127
DVD2000	40521
DVX	40768
ECC	40730
Electrohome	40770, 40784
Elfunk	40850
Elin	40770
Ellion	40850
Elta	40672, 40690, 40770, 40850, 41051, 41115
Emerson	40591, 40675, 40705, 40816, 40821, 41268
Encore	40698
Enterprise	40591
Enzer	40770, 40784
EuroLine	41115
Fenner	40651, 40769
Ferguson	40651
Finlux	40591, 40672, 40741, 40770, 40783, 41165
Fintec	40784, 41169
Firstline	40651, 40713, 40869
Fisher	40670
Funai	40675, 40695, 41334
Gateway	41073, 41077, 41158
GE	40522, 40717, 40815
General Electric	40717
Global Solutions	40768
Go Video	40715, 40741, 40744, 40783, 40833, 40869, 41044, 41075, 41099, 41144, 41158, 41304, 41730
Go Vision	41071, 41072
GoldStar	40591, 40741
Goodmans	40651, 40690, 40713, 40730, 40783, 40790, 40833, 41004, 41730
GPX	40699, 40769
Gradiente	40651
Gran Prix	40831
Grandin	40672, 40713
Greenhill	40717
Grundig	40539, 40651, 40670, 40695, 40705, 40713, 40790, 41004, 41730
Grunkel	40770
GVG	41169
H & B	40850
H&B	40713, 40850
Hanseatic	40741, 40783
Harman/Kardon	40582, 40702
HDT	40705
Hen	40713
Hher	40651, 40713, 40826, 40831
Hitachi	40573, 40664, 40695, 40713, 41247
Hiteker	40672, 40872
Home Electronics	40730
Home Tech	41107
Humax	40646
Hyundai	40768, 40783, 40850
I-Lo	41348
iLo	41348
Initial	40717, 40839
Integra	40571, 40627, 41634
IRT	40783
ISP	40695
Jaton	41078
JBL	40702
Jeken	40699
Jensen	41016
Jepssen	41250
JMB	40695
JNC	40672
JSI	41423
JVC	40503, 40539, 40558, 40623, 40867, 41164
jWin	41049, 41051
Karcher	40783
Kawasaki	40790
Kendo	40699, 40713, 40831
Kennex	40713, 40770
Kenwood	40490, 40534
Kiiro	40770
KLH	40717, 40790, 41020, 41149
KLH Digital	40717
Konka	40711, 40719, 40720, 40721
Koss	40651, 40896, 41423

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Jerrold	00476, 00810
Motorola	00476, 00810, 01106, 01187, 01376
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Star Choice	00869
Strong	01158, 01300
Thomson	01900
Topfield	01206, 01545
TPS	01253, 01307
Zehnder	01075, 01412

※1 : These preset codes can be recorded in the SAT/CBL mode.
: Ces codes de présélection peuvent être enregistrés en mode SAT/CBL.

※2 : These preset codes can be recorded in the DVD mode.
: Ces codes de présélection peuvent être enregistrés en mode DVD.

※3 : These preset codes can be recorded in the TV mode.
: Ces codes de présélection peuvent être enregistrés en mode TV.

※4 : This preset code can be recorded in the VCR mode.
: Ces codes de présélection peuvent être enregistrés en mode VCR.

[ ] : Preset codes set upon shipment from the factory.
: Les codes préréglés diffèrent en fonctiom des livraison de l'usine.

DVD preset codes / Codes préréglés DVD

DENON Model No./ Modéle numéro	41470 (default / défaut)		40490
	DVD-555	DVD-2910	DVD-800
	DVD-755	DVD-3800	DVD-1600
	DVD-900	DVD-3910	DVD-2000
	DVD-910	DVD-5900	DVD-2500
	DVD-955	DVD-5910	DVD-3000
	DVD-1000	DVD-9000	DVD-3300
	DVD-1200	DVM-715	
	DVD-1500	DVM-1800	
	DVD-1710	DVM-1805	
	DVD-1910	DVM-1815	
	DVD-2200	DVM-2815	
	DVD-2800	DVM-4800	
	DVD-2800Ⅱ		
	DVD-2900		

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