NOTE TO CATV SYSTEM INSTALLER:

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 product.

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

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

NOTE TO CATV SYSTEM INSTALLER:
This reminder is provided to call the CATV (Cable-TV) system installer’s attention to Section 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:
This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment 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 equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE:
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.
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. Use a damp cloth for cleaning.
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.

IMPORTANT SAFETY INSTRUCTIONS
READ BEFORE OPERATING EQUIPMENT

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12. Grounding or Polarization – This product may be equipped with a polarized alternating current 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.

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.

14. Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.

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 antennadischarge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

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.

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**FIGURE 1**

**EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA 70**

![Diagram of antenna grounding](image)

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.
Thank you for purchasing the Marantz SR4001/SR5001 Surround receiver.

This remarkable component has been engineered to provide you with many years of home theater enjoyment. Please take a few minutes to read this manual thoroughly before you connect and operate the SR4001/SR5001.

As there are a number of connection and configuration options, you are encouraged to discuss your own particular home theater setup with your Marantz A/V specialist dealer.

The XM name and related logos are registered trademarks of XM Satellite Radio Inc.

PRECAUTIONS

DO NOT LOCATE IN THE FOLLOWING PLACES

To ensure long-lasting use, do not locate the SR4001/SR5001 where it is:

- Exposed to direct sunlight.
- Near sources of heat such as heaters.
- In highly humid or poorly ventilated environments.
- Dusty.
- Subjected to mechanical vibrations.
- On wobbly, inclined or otherwise unstable surfaces.
- In locations such as in cramped audio racks where radiated heat is blocked. To ensure proper heat radiation, ensure the below clearance from walls and other equipment.
DTS was introduced in 1994 to provide 5.1 channels of discrete digital audio into home theater systems. DTS brings you premium quality discrete multichannel digital sound to both movies and music.

DTS is a multichannel sound system designed to create full range digital sound reproduction. The non-compromise DTS digital process sets the standard of quality for cinema sound by delivering an exact copy of the studio master recordings to neighborhood and home theaters.

Now, every moviegoer can hear the sound exactly as the moviemaker intended.

DTS can be enjoyed in the home for either movies or music on of DVD's, LD's, and CD's.

“DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

The advantages of discrete multichannel systems over matrix are well known. But even in homes equipped for discrete multichannel, there remains a need for high-quality matrix decoding. This is because of the large library of matrix surround motion pictures available on disc and on VHS tape; and analog television broadcasts.

The typical matrix decoder of today derives a center and a mono surround channel from two-channel stereo material. It is better than a channel and a mono surround channel from two-channel matrix stereo material. It is better than a channel and a mono surround channel from two-channel matrix stereo material. It is better than a channel and a mono surround channel from two-channel matrix stereo material. It is better than a channel and a mono surround channel from two-channel matrix stereo material.

Neo:6 technology allows various sound elements follow, Neo:6 offers several important improvements as accustomed to discrete multichannel.

In addition to the 5.1 surround channels (FL, FR, C, SL, SR and LFE), DTS-ES Extended Surround also offers the SB (Surround Back) channel for surround playback with a total of 6.1 channels. DTS-ES Extended Surround includes two signal formats with different surround signal recording methods, as DTS-ES Discrete 6.1 and DTS-ES Matrix 6.1.

“DTS”, “DTS-ES” and “Neo:6” are trademarks of Digital Theater Systems, Inc.

Dolby's expertise in surround sound and matrix decoding technologies, Dolby Pro Logic II provides composite stereo rear channels to greatly improve separation and image positioning – adding a heightened sense of realism to both audio and A/V productions.

The Dolby Headphone technology provides a surround sound listening experience over headphones. When listening to multichannel content such as DVD movies over headphones, the listening experience is fundamentally different than listening to speakers. Since the headphone speaker drivers are covering the pinna of the ear, the listening experience differs greatly from traditional speaker playback. Dolby utilizes proprietary headphone equalization curves to solve this problem and provides a non-fatiguing, immersive, home theater listening experience. Dolby Headphone also delivers exceptional 3D audio from stereo material.

Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic”, “Surround EX”, and the double-D symbol are trademarks of Dolby Laboratories.

Circle Surround II (CS-II) is a powerful and versatile multichannel technology. CS-II is designed to enable up to 6.1 multichannel surround sound playback from mono, stereo, CS encoded sources and other matrix encoded sources. In all cases the decoder extends it into 6 channels of surround audio and a LFE/subwoofer signal. The CS-II decoder creates a listening environment that places the listener “inside” music performances and dramatically improves both Hi-fi audio conventional surround-encoded video material. CS-II provides composite stereo rear channels to greatly improve separation and image positioning – adding a heightened sense of realism to both audio and A/V productions.

Dolby Digital EX creates six full-bandwidth output channels from 5.1-channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording. For best results, Dolby Digital EX should be used with movies soundtracks recorded with Dolby Digital Surround EX.

About Dolby Pro Logic Ix

Dolby Pro Logic Ix technology delivers a natural and immersive 7.1-channel listening experience to the home theater environment. A product of Dolby’s expertise in surround sound and matrix decoding technologies, Dolby Pro Logic Ix is a complete surround sound solution that maximizes the entertainment experience from stereo as well as 5.1-channel encoded sources.

3. No new player required: DTS 96/24 can be carried on DVD-video, or in the video zone of DVD-audio, accessible to all DVD players.
4. 96/24 5.1-channel sound with full-quality full-motion video, for music programs and motion picture soundtracks on DVD-video.

“DTS” and “DTS 96/24” are trademarks of Digital Theater Systems, Inc.
CS-II is packed with other useful feature like dialog clarity (SRS Dialog) for movies and cinema-like bass enrichment (TruBass). CS-II can enable the dialog to become cleaner and more discernable in movies and it enables the bass frequencies contained in the original programming to more closely achieve low frequencies – overcoming the low frequency limitations of the speakers by full octave.

Circle Surround II, Dialog Clarity, TruBass, SRS and symbol are trademarks of SRS Labs, Inc. Circle Surround II, Dialog Clarity and TruBass technology are incorporated under license from SRS Labs, Inc.

**FEATURES**

The SR4001/SR5001 incorporates the latest generation of digital surround sound decoding technology such as Dolby Digital EX, Dolby Digital, DTS-ES (Discrete 6.1 and Matrix 6.1), DTS Neo:6 (Cinema, Music), Dolby Pro-Logic IIx (Movie, Music and Game), Circle Surround II (Cinema and Music). In addition, Marantz has focused on the future. By utilizing pre-out jacks, 7.1 direct inputs and a RS-232C communication port (SR5001 only), the SR4001/SR5001 is tomorrow’s technology, today!

The SR4001/SR5001 features a fully discrete 7 channel amplifier section capable of delivering 80 watts (SR4001)/90 watts (SR5001) of high-current amplification, for continuously clean and stable power into each of the 7 channels. It employs a massive EI power transformer in combination with oversized filter capacitors. This design configuration is capable of a clear and powerful reproduction of the most demanding action movie soundtracks and full range (multichannel) music discs. Through its ability to generate very high output voltages, the SR4001/SR5001 can easily drive the most demanding speakers with optimum results.

The SR4001/SR5001 incorporates the most advanced Digital Signal Processing circuitry, along with a Crystal DAC 192 kHz/24 bit D/A converter in each of the 7 channels. Independent power supply circuits are incorporated for the FL display, audio and video sections for maximum separation, clarity and dynamic range. Together with hand-selected customized components, all elements work in harmony to recreate the emotion, exactly as the artist had intended.

The SR4001/SR5001 is designed and engineered with extensive feedback from custom installation experts, dealers and consumers. It features multi-room/multisource, a RS-232C communication port (SR5001 only), heavy duty speaker binding posts and an extensive array of both analog and digital inputs / outputs. With 6 assignable digital inputs (including Front Aux), 3 assignable component inputs (SR5001), 5 assignable digital input (SR4001), Super Audio CD Multi Channel (7.1 channel) direct inputs video convert system and OSD output versatility is taken to a stunning new level. Furthermore, the SR4001/SR5001 can output the OSD information through the Y/C (S-video) and composite video outputs.

An easy-to-use universal remote control allows full access to all of the operating functions and can be used for system operation as well.

This unit has Simple Setup function for easy setup. You can setup all speaker settings by just selecting your room size and the number of your speakers with Simple Setup function. You can also setup customized settings just like conventional AV amplifiers.

- Dolby Digital EX, Dolby Digital, DTS ES (Discrete 6.1, Matrix 6.1, Neo: 6)
- Dolby Headphone 2
- Dolby Pro Logic IIx (Movie, Music, Game)
- Circle Surround II (Movie, Music, Mono)
- HDCD decoding
- 7 x 90 Watts (8 Ohm) (SR4001)/7 x 90 Watts (8 Ohm) (SR5001), Discrete Amplifiers
- High Power Current Feedback Circuitry
- 192 kHz/24 bit Crystal DAC for all 8 Channels
- 32 bit Digital Surround Processing Chipsets
- Video Off Mode
- Large Heavy Duty Speaker Terminals for all Channels
- RS-232C Terminal for System Control (SR5001 only)
- Set Up Menu via all Video Output (Composite, S-Video and Component video)
- Auto Input Signal Detection
- Improved Station Name Input Method, 50 Presets
- Auto Adjust Function for Speaker Distance Settings (Delay Time)
- Front AUX Input (Digital Camera, Portable DVD)
- Universal remote control
- Simple Setup Function
- Video convert system
- LIP.SYNC Function (Audio delay) (SR5001 only)

**ACCESSORIES**

- Remote Controller RC5001SR
- AAA-size batteries × 2
- AM Loop Antenna
- FM Antenna
- AC Power Cord
- Front AUX Jack Cover
- Warranty Card

**ENGLISH**

**HDCD** (High Definition Compatible Digital) is a patented process for delivering on Compact Disc the full richness and detail of the original microphone feed. HDCD encoded CDs sound better because they are encoded with 20-bits of real musical information as compared to 16-bits for all other CDs. HDCD overcomes the limitation of the 16-bit CD format by using a sophisticated system to encode the additional four bits onto the CD while remaining completely compatible with the CD format. When listening to HDCD recordings, you hear more dynamic range, a focused 3-D sound stage, and original performance not a flat, digital imitation.

HDCD system manufactured under license from Microsoft. This product is covered by one or more of the following: In the United States 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 669,114 with other patents pending.

**HDMI**

HDMI, the HDMI and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

- Warranty Card
  USA × 1
  Canada × 1
You can select the surround mode by pressing this button.

When this button is pressed once, "SOURCE DIRECT" appears on the FL display. If pressed again, "PURE DIRECT" appears. After 2 seconds, the FL display indication goes out.

In the source/pure direct mode, the tone control circuitry and bass management are bypassed.

Notes:
- The surround mode is automatically switched to AUTO when the pure direct function is turned on.
- Additionally, speaker configurations are fixed automatically as follows.
  - Front SPKR = LARGE
  - Center SPKR = LARGE
  - Surround SPKR = LARGE
  - Surround Back SPKR = LARGE
  - Sub wofer = YES

Press this button to enter the simple setup mode. You can setup the speaker conditions (speaker sizes, number of speakers, speaker delay times) quickly by pressing the cursor buttons.

Press this button to enter the tuner preset memory numbers or station names. (See page 39)

Press this button to cancel the station-memory setting mode or preset scan tuning. (See page 39)

Adjusts the overall sound level. Turning the control clockwise increases the sound level.
13 **ATT (Attenuate) button**
If the selected analog audio input signal is greater than the capable level of internal processing, the PEAK indicator will illuminate. If this happens, you should press the ATT button. “ATT” is displayed when this function is activated. The signal-input level is reduced by about half. Attenuation will not work with the output signal of “REC OUT” (TAPE, CD-R/MD, VCR1 and VCR2 output). This function is memorized for each input function.

14 **MUTE button**
Press this button to mute the output to the speakers. Press it again to return to the previous volume level.

15 **T-MODE button**
Press this button to select the auto stereo mode or mono mode when the FM band is selected. The “AUTO” indicator lights in the auto stereo mode. (See page 39)

16 **BAND button**
Press this button to switch between FM and AM in the TUNER mode.

17 **EXIT button**
This button is used to exit from the SETUP MAIN MENU.

18 **Cursor (↑, ↓, ◄, ►) / ENTER button**
Use these buttons when operating the SETUP MAIN MENU and TUNER function.

19 **MENU button**
This button is used to enter the SETUP MAIN MENU.

20 **HT-EQ button**
Used to turn on or off HT(Home Theater)-EQ mode. This mode compensates for the audio portion of a movie sounding “bright”. When this button is pressed, “EQ” indicator lights up.

21 **AUTO (Auto surround) button**
Press this button to select the AUTO mode from the surround modes. When this mode is selected, the receiver determines the surround mode corresponding to a digital input signal automatically.

22 **HEADPHONE jack for stereo headphones**
This jack may be used to listen to the SR4001/ SR5001’s output through a pair of headphones. Be certain that the headphones have a standard 1 / 4” stereo phono plug. Note that the main room speakers will automatically be turned off when the headphone jack is in use.

*Notes:*
- When using headphones, the surround mode will change to STEREO and Dolby Headphone by MENU and Cursor button.
- The surround mode returns to the previous setting as soon as the headphone plug is removed from the jack.

23 **AUX1 INPUT jacks**
These auxiliary video/audio input jacks accept the connections of a camcorder, portable DVD, game etc.
(1) **DISP (Display Off) indicator**
This indicator is illuminated when the SR4001/SR5001 is in the display off condition.

(2) **SLEEP timer indicator**
This indicator is illuminated when the sleep timer function in the main-room is in use.

(3) **Multi-room system indicator**
This indicator is illuminated when the multi-room system is active.

(4) **AUTO Surr (Auto Surround mode) indicator**
This indicator is illuminated to show that the AUTO SURROUND mode is in use.

(5) **TUNER's indicators**
AUTO : This indicator illuminates when the tuner's Auto mode is in use.
TUNED : This indicator illuminates when a station is being received with sufficient signal strength to provide acceptable listening quality.
ST(Stereo) : This indicator illuminates when an FM station is being tuned into stereo condition.

(6) **DTS-ES mode indicators (DISC6.1 MTX6.1)**
These indicators will illuminate to show the DTS-ES decoding mode (Discrete 6.1 or Matrix 6.1).

(7) **V (video)-OFF mode indicator**
This indicator is illuminated when the Video-OFF function is active.

(8) **NIGHT mode indicator**
This indicator is illuminated when the SR4001/SR5001 is in the Night mode, which reduces the dynamic range of digital program material at low volume levels.

(9) **SPKR (speaker) B indicator**
This indicator is illuminated when the M (Multiroom) speaker B system is active.

(10) **PEAK indicator**
This indicator is a monitor for an analog audio input signal. If the selected analog audio input signal is greater than the capable level of internal processing, this will illuminate. If this happens, you should press the ATT button on the remote.

(11) **EQ mode indicator**
This indicator is illuminated when the HT-EQ function is active.

(12) **ATT (Attenuation) indicator**
This indicator is illuminated when the attenuation function is active.

(13) **DIGITAL input indicator**
This indicator lights when a digital input has been selected.

(14) **ANALOG input indicator**
This indicator is illuminated when an analog input source has been selected.

(15) **SIGNAL FORMAT indicators**
DIGITAL, EX, SURROUND, dts, ES, 96/24, PCM
When the selected input is a digital source, some of these indicators will be illuminated to display the specific type of signal in use.

(16) **ENCODED CHANNEL STATUS indicators**
These indicators display the channels that are encoded with a digital input signal. If the selected digital input signal is Dolby Digital 5.1ch or DTS 5.1ch, “L”, “C”, “R”, “SL”, “SR” and “LFE” will be illuminated. If the digital input signal is 2 channel PCM-audio, “L” and “R” will be displayed.

If Dolby Digital 5.1ch signal with Surround EX flag or DTS-ES signal comes in, “L”, “C”, “R”, “SL”, “S”, “SR” and “LFE” will be illuminated.

(17) **Main Information Display**
This display shows messages relating to the status, input source, surround mode, tuner, volume level or other aspects of unit’s operation.

(18) **DIRECT (Puredirect) indicator**
This indicator is illuminated when the SR4001/SR5001 is in the SOURCE DIRECT mode.

(19) **HDCD indicator**
When HDCD signal is decoded from digital input, this indicator will light up.

(20) **HDMI indicator**
This indicator is illuminated when HDMI device is connected to the SR4001/SR5001.
REAR PANEL

SR4001

1. VIDEO IN/OUT (TV, DVD, VCR1, DSS/ 
   VCR2)
   These are the video inputs and outputs. There 
   are 4 video inputs and 2 video outputs and each 
   one includes both composite video and S-video 
   configurations. Connect VCRs, DVD players, and 
   other video components to the video inputs. 
   The 2 video output channels can be used to 
   be connected to video tape recorders for making 
   recordings. 
   The input signals of video and S-video are converted 
   each other, and each of the converted video signals 
   can be output.

2. FM antenna terminal (75 ohms)
   Connect an external FM antenna with a coaxial 
   cable, or a cable network FM source.

3. AM antenna and ground terminals
   Connect the supplied AM loop antenna. Use the 
   terminals marked “AM” and “GND”. The supplied AM 
   loop antenna will provide good AM reception in most 
   areas. Position the loop antenna until you hear the 
   best reception.

4. RS-232C (SR5001 only)
   The RS-232C port is to be used in conjunction with 
   an external controller to control the operation of the 
   SR5001 by using an external device.

5. COMPONENT VIDEO INPUT/ 
   OUTPUT
   If your DVD player or other device has component 
   video connectors, be sure to connect them to 
   these component video connectors on the SR4001/ 
   SR5001. The SR4001/SR5001 has two component 
   video input connectors to obtain the color information 
   (Y, Cb, Cr) directly from the recorded DVD signal or 
   other video component and one component video 
   output connector to output it directly into the matrix 
   decoder of the display device. 
   By sending the pure DVD component video signal 
   directly, the DVD signal forges the extra processing 
   that normally would degrade the image. The result is 
   vastly increased image quality, with incredibly life like 
   colors and crisp detail. 
   When the video convert function is enabled, video and 
   S-video images can be output to the COMPONENT 
   MOINTOR OUT jack.

6. MONITOR OUT
   This is a monitor output and each one includes both 
   composite video and S-video configurations. When 
   connecting two video monitors or televisions, be 
   aware that the OSD interface can be used with both 
   MONITOR OUT connections.

7. Preamp Outputs
   (L, R, SL, SR, SBL, SBR, C)
   Jacks for L(front left), R (front right), C (Center), SL 
   (surround left), SR (surround right), SBL (surround 
   back left) and SBR (surround back right). 
   Use these jacks for connection to external power 
   amplifiers.

8. AC INLET
   Plug the supplied power cord into this AC INLET and 
   then into the power outlet on the wall. 
   SR4001/SR5001 can be powered by 120V AC only.

9. AC OUTLETS
   Connect the AC power cable of component such as 
   a DVD or CD player to this outlet. 
   The marked SWITCHED provides power only when 
   the SR4001/SR5001 is turned on and is useful for 
   components which you use every time you play your 
   system. 
   Caution:
   - In order to avoid potential turn-off thumps, anything 
     plugged into these outlets should be powered up 
     before the SR4001/SR5001 is turned on. 
   - The capacity of this AC outlet is 150W. Do not 
     connect devices that consume electricity more than 
     the capacity of these AC outlet. If the total power 
     consumption of the connected devices exceeds the 
     capacity, the protection circuit shuts down the power 
     supply.

10. Speaker outputs terminals
   Seven terminals are provided for the front left, 
   front right, front center, surround left, surround 
   right, surround back left and surround back right 
   speakers. 
   Note: 
   You can use surround back speaker terminals as M 
   (Multiroom) SPEAKER B terminals, when you use 
   no surround back speaker.
Subwoofer Output
Connect this jack to the line level input of a powered subwoofer. If an external subwoofer amplifier is used, connect this jack to the subwoofer amplifier input. If you are using two subwoofers, either powered or with a 2 channel subwoofer amplifier, connect a “Y” connector to the subwoofer output jack and run one cable from it to each subwoofer amplifier.

7.1 CHANNEL or AUX2 INPUT
By connecting a DVD Audio player, Super Audio CD multichannel player, or other components that has a multichannel port, you can playback the audio with 5.1 channel or 7.1 channel outputs.

Multiroom Outputs (SR5001 only)
These are the audio output jacks for the Multi zone (Multi room).
Connect these jacks to optional audio power amplifiers to listen the source selected by the multiroom system in a remote room.

REMOTE CONT. IN/OUT terminals
Connect to a Marantz component equipped with remote control (RC-5) terminals.

AUDIO IN/OUT (CD, TAPE, CD-R, TV, DVD, VCR1, DSS/VCR2)
These are the analog audio inputs and outputs. There are 7 audio inputs (4 of which are linked to video inputs) and 4 audio outputs (2 of which are linked to video outputs). The audio jacks are nominally labeled for cassette tape decks, compact disc players, DVD players and etc.... The audio inputs and outputs require RCA-type connectors.

DIGITAL INPUT
(SR4001 : Dig.1 - 4, SR5001 : Dig.1-5)
OUTPUT (coaxial, optical)
These are the digital audio inputs and outputs. There are 2 digital inputs with coaxial jacks, 2 with optical jacks.
The inputs accept digital audio signals from a CD, DVD, or other digital source component.
For digital output, there is 1 coaxial output and 1 optical output.
The digital outputs can be connected to MD recorders, CD recorders, or other similar components.

HDMI INPUT/OUTPUT
This unit has 2 HDMI inputs and 1 HDMI output. The input function can be selected from the OSD menu system. (See page 26)

DC TRIGGER output terminal
(SR5001 only)
Connect a device that needs to be triggered by DC under certain conditions (screen, power strip, etc…)
Use the system OSD setup menu to determine the conditions by which these jack will be active.
Note:
This output voltage is for (status) control only, It is not sufficient for drive capability.

FLASHER IN
(Flasher input terminal)
These terminals are to control the unit from each zone. Connect the control signal from a Keypad, etc.

SPEAKER C SELECTOR SWITCH
(SR5001 only)
The terminals can be used to connect a third set of speakers by setting the SPEAKER C selector switch to ON. For connection and use, see page 23.

XM antenna terminal (SR5001 only)
Plug the XM Connect-and-play antenna or Passport system into XM terminal.
REMOTE CONTROL OPERATION

FUNCTION AND OPERATION

The provided remote control unit is a universal remote controller. The POWER button, numeric buttons and control buttons are used in common across different input source components. The input source controlled with the remote control unit changes when one of the input selector buttons is pressed.

1 LEARN indicator
   Indicates when the remote controller is in the LEARN mode.

2 SET button
   This button is used to enter learn mode and preset mode.

3 SOURCE ON/OFF button
   This button is used to turn a specific source (such as a DVD player) on or off independently from the rest of the system.

4 SLEEP button
   This button is used for setting the sleep timer.

5 DISPLAY button
   Selects the display mode for the front display of the SR4001/SR5001.

6 Numeric buttons
   These buttons are used to switch between 0 to +10 of the source components. If the source is set to the amplifier, these buttons are used to perform operations.
   (When AMP mode is selected)
   1/AUTO button
   Used to select auto surround.
   2/Dolby button
   Used to select DOLBY mode.
   3/dts button
   Used to select dts mode.
   4/CS button
   Used to select CSi button.
   5/EX/ES button
   Used to select EX/ES mode.
   6/VIRTUAL button
   Used to select VIRTUAL mode.
   7/M-CH ST button
   Used to select Multi Channel Stereo.
   8/STEREO button
   Used to select STEREO mode.

9/NIGHT button
   Pressing this button prevents the Dolby Digital signal from playback at a loud voice. This function reduces the voice by 1/3 to 1/4 at maximum. Thus, it eliminates the occurrence of an abruptly loud voice at night. However, the function is valid only in the case when the Dolby Digital signal is entered into OPTICAL or COAXIAL and data to compress the voice exists in the signal to be played back. When this button is pressed, the "NIGHT" indicator is illuminated.

0/7.1CH IN button
   Press this button to select the output of an external multi channel decoder.
   (+10) A/D button
   Used to switch between the analog and digital inputs.

7 CL (Clear) button
   This button is used to erase the memory or program of a source.

8 SPKR A/B button (SR5001 only)
   Used to select the speaker system. The speaker system is switched in the following sequence:
   A → B → A+B → off

9 CH/CAT (UP) / V (DOWN) buttons
   These buttons are used to change channels.

10 MULTI/CAT button (SR5001 only)
   (When AMP mode is selected)
   Used to turn on and off multi room.

11 INFO button
   (When AMP mode is selected)
   Used to select the display mode in RDS.

12 T.TONE/SET UP button
   (When AMP mode is selected)
   Used to enter the test tone menu.

13 CONTROL buttons
   These buttons are used when operating PLAY, STOP, PAUSE and other commands of a source.
   (When TUNER mode is selected)
   T.DISP button
   Used to display the programme type information of the current station.
   PTY button
   Used to select the "Frequency direct input".
   PRESET +/- buttons
   Used to select a preset station up and down.
   TUNING +/- buttons
   Used to tune a frequency station up and down.

14 ANGLE/V/OFF button
   (When AMP mode is selected)
   Used to turn off the video signal.

15 DISC+/CH. SEL button
   (When AMP mode is selected)
   Used to call up SETUP MAIN MENU and adjust speaker levels or 7.1 ch input level.

16 BASS +/- buttons
   These buttons are used to adjust the tone control of low frequency sound for left, right and subwoofer speaker.

17 SEND indicator
   Indicates when the remote controller is transmitting a signal.

18 POWER ON and OFF buttons
   (When AMP mode is selected)
   These buttons are used to turn the SR4001/SR5001 on or off.

19 SURROUND button
   This button is used to selects the surround mode.

20 P.DIRECT button
   When this button is pressed, the tone control circuit is bypassed.
21 BAND/LIP SYNC/INPUT button
(When TUNER mode is selected)
Used to select a radio band.
(When AMP mode is selected)
Used to select LIP SYNC mode.
(When TV mode is selected)
Used to select monitor input.

22 T.MODE button
(When TUNER mode is selected)
Used to select auto stereo mode or mono mode when the FM band is selected.
The “AUTO” indicator lights in the auto stereo mode.

23 P.SCAN button
(When TUNER mode is selected)
Used to start preset scan.

24 MEMO/HT-EQ button
This button is used to store setting to memory or program a source.
(When AMP mode is selected)
Used to turn on or off HT(Home Theater)-EQ mode when the surround mode is set as AUTO, DOLBY, DTS or STEREO. This mode compensates for the audio portion of a movie sounding “bright”. When this button is pressed, “EQ” indicator light up.

25 MUTE button
This button is used to mute the audio for the amplifier and television.

Note:
Set the AMP mode to use this button with the SR4001/SR5001.

26 VOLUME +/- buttons
This button is used to adjust the volume for the amplifier and television.

Note:
Set the AMP mode to use this button with the SR4001/SR5001.

27 M-SPKR button (SR5001 only)
(When AMP mode is selected)
Used to turn on and off multi speaker.

28 MENU button
(When AMP mode is selected)
This button is used to call up the SETUP MAIN MENU of the SR4001/SR5001.

29 CURSOR / ENTER buttons
These buttons are used when controlling the cursor of the SR4001/SR5001, DVD or other AV equipment.

30 EXIT button
(When AMP mode is selected)
This button is used to cancel setting in the setup menu.

31 SUBTITLE/ATT. button
(When AMP mode is selected)
When the input signal is too high and the voice distorts even by throttling the SR4001/SR5001 VOLUME control, turn on this function. “ATT” is indicated when this function is activated. The input level reduced. Attenuator is invalid for the output signal of “REC OUT”.

Note:
This function is unavailable while the digital input is selected.

32 AUDIO buttons
(When DVD mode is selected)
Used to select one of the audio language.

33 TREBLE +/- buttons
These buttons are used to adjust the tone control of high frequency sound for left and right speaker.

34 SOURCE button
These buttons are used to switch the source of your A/V Receiver / amplifier. Each time a source button is pressed, the remote control changes to the source which was pressed. This remote control can control 12 types of equipment. To change the A/V Receiver / amplifier source, press this button twice within two seconds. The signal is sent when it is pressed the second time.

Note:
Select the AMP as the source to use this remote control with the SR4001/SR5001.

35 Infrared Transmitter and Learning Sensor
This transmitter emits infrared light. Press the buttons while pointing the transmitter towards the infrared receiver window of the SR4001/SR5001 or other AV equipment. Be sure to also point towards other remote controls when using the learning function.
OPERATION OF REMOTE CONTROL UNIT

REMOTE CONTROL

The distance between the transmitter of the remote control and the IR SENSOR of the SR4001/SR5001 should be less than 5 meters. If the remote control is pointed in a direction other than the IR SENSOR or if there is an obstacle between them, use of the remote control may not be possible.

Remote-controllable range

LOADING BATTERIES

The life of the batteries used with the remote control is about 4 months with normal use. Also be sure to replace batteries earlier when you notice that they are getting weak.

1. Remove the back cover.

2. Insert the new batteries (AAA type) with correct polarity.

3. Close the cover until it clicks.

Notes:
- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

CAUTIONS ON BATTERIES

- Use “AAA” type batteries in this remote control unit.
- We recommend that you use alkali batteries.
- If the remote control unit does not operate from close to the main unit, replace the batteries with new ones, even if less than a year has passed.
- The included battery is only for verifying operation. Replace it with a new battery as soon as possible.
- When inserting the batteries, be careful to do so in the proper direction, following the + and - marks in the remote control unit’s battery compartment.
- To prevent damage or battery fluid leakage:
  - Do not use a new battery 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 when not planning to use the remote control unit for a long period of time.
- If the batteries should leak, carefully wipe off the fluid from the inside of the battery compartment, then insert new batteries.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction’s rules that apply in your country or area.

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- When disposing of used batteries, please comply with governmental regulations or environmental public instruction’s rules that apply in your country or area.
To control the SR4001/SR5001 by your RC5001SR, you have to select the device AMP or TUNER by pressing the SOURCE button. Please refer below for the details in AMP and TUNER mode.

### AMP MODE

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE ON / OFF</td>
<td>Turns the SR4001/SR5001 on and off</td>
</tr>
<tr>
<td>POWER OFF</td>
<td>Turns the SR4001/SR5001 off</td>
</tr>
<tr>
<td>POWER ON</td>
<td>Turns the SR4001/SR5001 on</td>
</tr>
<tr>
<td>SLEEP</td>
<td>Sets the sleep timer function</td>
</tr>
<tr>
<td>DISPLAY</td>
<td>Changes the front display mode</td>
</tr>
<tr>
<td>P.DIRECT</td>
<td>Selects the pure direct mode</td>
</tr>
<tr>
<td>SURROUND</td>
<td>Selects the surround mode</td>
</tr>
<tr>
<td>AUTO (1)</td>
<td>Selects auto surround</td>
</tr>
<tr>
<td>DOLBY (2)</td>
<td>Selects DOLBY mode</td>
</tr>
<tr>
<td>dts (3)</td>
<td>Selects dts mode</td>
</tr>
<tr>
<td>CSII (4)</td>
<td>Selects CSII mode</td>
</tr>
<tr>
<td>EX/ES (5)</td>
<td>Selects EX/ES mode</td>
</tr>
<tr>
<td>VIRTUAL (6)</td>
<td>Selects VIRTUAL mode</td>
</tr>
<tr>
<td>M-CH ST (7)</td>
<td>Selects Multi Channel Stereo</td>
</tr>
<tr>
<td>STEREO (8)</td>
<td>Selects STEREO mode</td>
</tr>
<tr>
<td>NIGHT (9)</td>
<td>Turns on or off NIGHT mode</td>
</tr>
<tr>
<td>7.1CH IN (0)</td>
<td>Sets the 7.1CH IN</td>
</tr>
<tr>
<td>A/D (+10)</td>
<td>Switches between the analog or digital inputs</td>
</tr>
<tr>
<td>LIP SYNC / INPUT</td>
<td>Selects the LIP SYNC mode</td>
</tr>
<tr>
<td>HT-EQ</td>
<td>Turns on or off HT-EQ mode</td>
</tr>
<tr>
<td>SPRKR A / B</td>
<td>Selects the speaker system</td>
</tr>
<tr>
<td>MULTI / CAT</td>
<td>Tunes on or off multi room</td>
</tr>
<tr>
<td>MUTE</td>
<td>Decreases the sound temporarily</td>
</tr>
<tr>
<td>M-SPKR</td>
<td>Turns on or off multi speaker</td>
</tr>
<tr>
<td>VOLUME ▲ / ▼</td>
<td>Adjusts the over all sound level</td>
</tr>
<tr>
<td>INFO</td>
<td>Turns on or off the “On Screen Display”</td>
</tr>
<tr>
<td>MENU</td>
<td>Displays the current setting on the monitor</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enters the “On Screen Display”</td>
</tr>
<tr>
<td>CURSOR</td>
<td>Moves the cursor for setting in “On Screen Display” mode</td>
</tr>
<tr>
<td>T.TONE / SET UP</td>
<td>Enters the test tone menu</td>
</tr>
<tr>
<td>EXIT</td>
<td>Exits from SETUP MENU</td>
</tr>
<tr>
<td>CH-SEL</td>
<td>Calls up SETUP MENU and adjusts speaker levels or 7.1ch input level</td>
</tr>
<tr>
<td>V-OFF</td>
<td>Turns on or off video output</td>
</tr>
<tr>
<td>ATT.</td>
<td>Reduces the input level</td>
</tr>
<tr>
<td>BASS ▲ / ▼</td>
<td>Adjusts the tone control of low frequency sound</td>
</tr>
<tr>
<td>TREBLE ▲ / ▼</td>
<td>Adjusts the tone control of high frequency sound</td>
</tr>
<tr>
<td>SOURCE</td>
<td>Selects a particular source component</td>
</tr>
</tbody>
</table>

### TUNER MODE

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-9</td>
<td>Inputs the numeric</td>
</tr>
<tr>
<td>BAND</td>
<td>Selects a radio band</td>
</tr>
<tr>
<td>T.MODE</td>
<td>Selects the auto stereo mode or mono mode</td>
</tr>
<tr>
<td>P.SCAN</td>
<td>Starts preset scan</td>
</tr>
<tr>
<td>CL</td>
<td>Clears the inputting</td>
</tr>
<tr>
<td>MEMO</td>
<td>Enters the tuner preset memory numbers</td>
</tr>
<tr>
<td>INFO</td>
<td>Shows preset information</td>
</tr>
<tr>
<td>T.DISP</td>
<td>Selects the display mode in XM</td>
</tr>
<tr>
<td>F.DIRECT</td>
<td>Selects the “Frequency direct input”</td>
</tr>
<tr>
<td>PRESET ▲ / ▼</td>
<td>Selects a preset station up and down</td>
</tr>
<tr>
<td>TUNING ▲ / ▼</td>
<td>Tunes a frequency station up and down</td>
</tr>
<tr>
<td>MULTI/CAT</td>
<td>Turns XM Category Search mode ON/OFF</td>
</tr>
<tr>
<td>CH/CAT</td>
<td>Switches categories in Category Search mode</td>
</tr>
</tbody>
</table>

GENERAL INFORMATION OF RC5001SR TO SR4001/SR5001
CONTROLLING MARANTZ COMPONENTS

1. Press the desired SOURCE button.
2. Press the desired operation buttons to play the selected component.
   • For details, refer to the component’s user guide.
   • It may not be possible to operate some models.

## CONTROLLING A MARANTZ DVD PLAYER (DVD MODE)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE ON / OFF</td>
<td>Turns the DVD player on and off</td>
</tr>
<tr>
<td>POWER OFF</td>
<td>Turns the DVD player off</td>
</tr>
<tr>
<td>POWER ON</td>
<td>Turns the DVD player on</td>
</tr>
<tr>
<td>0-9, +10</td>
<td>Inputs the numeric</td>
</tr>
<tr>
<td>CL</td>
<td>Clears the inputting</td>
</tr>
<tr>
<td>MEMO</td>
<td>Calls up programming menu</td>
</tr>
<tr>
<td>INFO</td>
<td>Displays the disc information</td>
</tr>
<tr>
<td>MENU</td>
<td>Calls up the menu of DVD disc</td>
</tr>
<tr>
<td>ENTER</td>
<td>Enters the setting</td>
</tr>
<tr>
<td>CURSOR</td>
<td>Moves the cursor for setting in “On Screen Display” mode</td>
</tr>
<tr>
<td>T.TONE / SET UP</td>
<td>Enters the test tone menu</td>
</tr>
<tr>
<td>EXIT</td>
<td>Exits from SETUP MENU</td>
</tr>
<tr>
<td>T.Tone / Set up</td>
<td>Calls up the setup menu of the DVD player</td>
</tr>
<tr>
<td>Pause</td>
<td>Pause</td>
</tr>
<tr>
<td>Play</td>
<td>Play</td>
</tr>
<tr>
<td>Stop</td>
<td>Stop</td>
</tr>
<tr>
<td>Previous / Next</td>
<td>Skips forward or previous track</td>
</tr>
<tr>
<td>Rewind / Forward</td>
<td>Searches forward or backward</td>
</tr>
<tr>
<td>DISC +</td>
<td>DVD changer next disc</td>
</tr>
<tr>
<td>AUDIO</td>
<td>Sets the audio language</td>
</tr>
</tbody>
</table>

## CONTROLLING A MARANTZ CD (CD MODE)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE ON / OFF</td>
<td>Turns the CD player on and off</td>
</tr>
<tr>
<td>POWER OFF</td>
<td>Turns the CD player off</td>
</tr>
<tr>
<td>POWER ON</td>
<td>Turns the CD player on</td>
</tr>
<tr>
<td>0-9</td>
<td>Inputs the numeric</td>
</tr>
<tr>
<td>CL</td>
<td>Clears the inputting</td>
</tr>
<tr>
<td>MEMO</td>
<td>Calls up programming menu</td>
</tr>
<tr>
<td>INFO</td>
<td>Scrolls the disc information</td>
</tr>
<tr>
<td>MENU</td>
<td>Calls up the display information</td>
</tr>
<tr>
<td>Pause</td>
<td>Pause</td>
</tr>
<tr>
<td>Play</td>
<td>Play</td>
</tr>
<tr>
<td>Stop</td>
<td>Stop</td>
</tr>
<tr>
<td>Previous / Next</td>
<td>Skips forward or previous track</td>
</tr>
<tr>
<td>Rewind / Forward</td>
<td>Searches forward or backward</td>
</tr>
<tr>
<td>DISC +</td>
<td>CD changer next disc</td>
</tr>
</tbody>
</table>

## CONTROLLING A MARANTZ VCR (VCR MODE)

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOURCE ON / OFF</td>
<td>Turns the VCR on and off</td>
</tr>
<tr>
<td>0-9, +10</td>
<td>Inputs the numeric</td>
</tr>
<tr>
<td>LIP SYNC / INPUT</td>
<td>Selects TV/VCR</td>
</tr>
<tr>
<td>CL</td>
<td>Clears the inputting</td>
</tr>
<tr>
<td>MEMO</td>
<td>Calls up programming menu</td>
</tr>
<tr>
<td>CH ▲ / ▼</td>
<td>Selects VCR channel up or down</td>
</tr>
<tr>
<td>MENU</td>
<td>Calls up the menu</td>
</tr>
<tr>
<td>ENTER</td>
<td>Exits the setting</td>
</tr>
<tr>
<td>CURSOR</td>
<td>Moves the cursor for setting in “On Screen Display” mode</td>
</tr>
<tr>
<td>EXIT</td>
<td>Exits the programming menu</td>
</tr>
<tr>
<td>REC</td>
<td>Record</td>
</tr>
<tr>
<td>Pause</td>
<td>Pause</td>
</tr>
<tr>
<td>Play</td>
<td>Play</td>
</tr>
<tr>
<td>Stop</td>
<td>Stop</td>
</tr>
<tr>
<td>Previous / Next</td>
<td>Skips forward or previous track</td>
</tr>
<tr>
<td>Rewind / Forward</td>
<td>Searches forward or backward</td>
</tr>
<tr>
<td>AUDIO</td>
<td>Selects the audio language</td>
</tr>
</tbody>
</table>
CONTROLLING A MARANTZ CD RECORDER (CDR MODE)

SOURCE ON / OFF Turns the CD recorder on and off
POWER OFF Turns the CD recorder off
POWER ON Turns the CD recorder on
0-9 Inputs the numeric
CL Clears the inputting
MEMO Programs
INFO Scrolls the disc information
MENU Switches the display information
REC Record
Pause Pause
Play Play
Stop Stop
Previous / Next Skips forward or previous track
Rewind / Forward Searches forward or backward

CONTROLLING A MARANTZ MD DECK (MD MODE)

SOURCE ON / OFF Turns the MD deck on and off
POWER OFF Turns the MD deck off
POWER ON Turns the MD deck on
0-9 Inputs the numeric
CL Clears the inputting
MEMO Programs
INFO Scrolls the disc information
MENU Switches the display information
REC Record
Pause Pause
Play Play
Stop Stop
Previous / Next Skips forward or previous track
Rewind / Forward Searches forward or backward

CONTROLLING A MARANTZ TAPE DECK (TAPE MODE)

SOURCE ON / OFF Turns the TAPE deck on and off
POWER OFF Turns the TAPE deck off
POWER ON Turns the TAPE deck on
0-9 Inputs the numeric
CL Clears the inputting
MEMO Programs
INFO Scrolls the disc information
MENU Switches the display information
REC Record
Pause Pause
Play Play
Stop Stop
Previous / Next Skips forward or previous track
Rewind / Forward Searches forward or backward
BASIC OPERATION

NORMAL MODE
((When operating Marantz AV equipment products))
This remote control is preset with a total of 12 types of remote codes, including Marantz TV (television), DVD, VCR (VCR deck), DSS (satellite broadcasting tuner), TUNER, CD, CD-R, MD, TAPE (tape deck), AUX1, AUX2, and AMP (amplifier). Learning is not necessary for Marantz products. You can use these products without setting any codes.

1. Press the SOURCE button.
   For this example, press DVD.
   Pressing the SOURCE button once changes the remote control to the settings for the source that was pressed.
   To change the amplifier on other source, press the SOURCE button twice (double-click). The code is sent, and then the amplifier source changes to DVD.

SETTING THE BACK LIGHT
Each time press the buttons, illuminate button 2 seconds.
To turn off back light, press and hold down the OFF button until SEND indicator blinks twice. To turn on again, press and hold down the SET and ON button until SEND indicator blinks twice. Initial is back light ON.

PRESET MODE
((When operating non-Marantz AV equipment products))
This remote control is preset with remote control codes from AV equipment by other manufacturers. The preset codes are TV, VCR, DVD and DSS. Settings can be made in one of two ways.
When the preset codes are set, the following codes are contained in the source button of the remote control.

See the attached manufacturer number list for the preset manufacturers, devices, preset numbers, and other settings.

<table>
<thead>
<tr>
<th>Remote control source name</th>
<th>Corresponding preset code</th>
<th>Device name</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>1000</td>
<td>Television</td>
</tr>
<tr>
<td>DVD</td>
<td>2000</td>
<td>DVD player</td>
</tr>
<tr>
<td>VCR</td>
<td>3000</td>
<td>Video deck</td>
</tr>
<tr>
<td>DSS</td>
<td>4000</td>
<td>Satellite broadcasting tuner equipment</td>
</tr>
</tbody>
</table>

Programmings with the 4-digit code:

1. Press and hold down the SOURCE button for appliance which should be controlled and press SET button until the SEND indicator blinks twice. Then back light flushes.
2. Press the 4-digit code for appliance (code table at the end of this book) When the procedure is successful, the SEND indicator will blink twice.

Note:
If the indicator did not blink twice, then repeat steps 1 through 2 and try entering the same code again.

Checking the code:
1. Press and hold down the SOURCE button for appliance which should be controlled and press SET button until the SEND indicator blinking twice then back light flushes.
2. Press the INFO button.
The SEND indicator will blink twice.
3. To view the code for first digit, press 1 once. Wait 3 seconds, count the SEND indicator blinks (e.g., 3 blinks = 3) and write down the number.

Note:
If a code digit is “0”, the SEND indicator will not blink.
4. Repeat step 3 three more times for remaining digits. Use 2 for the second digit, 3 for the third digit, and 4 for the fourth digit.

1. Switch on the appliance which should be controlled.

RESETTING THE CODE
1. Press and hold down the SOURCE button for appliance which should be controlled and press SET button until the SEND indicator blinking twice. Then back light flushes.
2. Press the lower codes to reset.
   TV : 1000
   DVD : 2000
   VCR : 3000
   DSS : 4000
   The indicator will blink twice.

Note:
After this procedure, the selected SOURCE button is set initial code.
LEARN MODE
This remote control is capable of learning and storing codes used by other remote controls that you already own.
For codes which are not learned, the remote control will transmit either the Marantz preset codes from the initial settings, or remote codes from another manufacturer’s AV equipment which is set by the customer.
The receiver sensor for the remote control signals is located at the top of the remote control.
Notes:
• This remote control is capable to learn around 60 codes.
• When the batteries are getting weak , the learning procedure is not successful.

LEARNING PROCEDURE
1. Place the remote controller so that its infrared signal transmitter is facing the infrared signal receiver on the Marantz remote controller at a distance of about 2 inches (0.05 m).
2. Press and hold down the SET and MENU buttons until LEARN indicator blinks.
3. Select the SOURCE button to select the SOURCE.
4. Select the button to be learned.
• LEARN indicator lights up.
5. Press and hold the button of the original remote controller to learn until the SEND indicator blinks twice.
• When the SEND indicator blinks once, repeat this step.
• When the memory of the RC5001SR is full, the LEARN and SEND indicators blink once. If you want to learn the code, you should erase other learned button.
6. Repeat steps 4 and 5 to learn other buttons in same SOURCE.
7. Repeat steps 3 to 6 to learn other SOURCE.
8. When you have finished programming the remote controller, press the SET button, then LEARN indicator stops blinking and exits from the LEARN mode.

ERASING PROGRAMMED CODES
(RETURNING TO INITIAL SETTINGS)
Codes can be erased in three ways: by buttons, sources, and by all memory contents.

Erasing the code by buttons
1. Press and hold down the SET and MENU buttons until LEARN indicator blinks.
2. Press and hold down the SLEEP button and press the learned button twice to be erased.
• LEARN indicator lights.
3. Press and hold down the SLEEP button and press the learned button twice to be erased.
• LEARN indicator lights.
4. To return the NORMAL mode, press the SET button.

Erasing the all SOURCES
1. Press and hold down the SET and MENU buttons until LEARN indicator blinks.
2. Press and hold down the SLEEP button and press POWER ON and POWER OFF button.
• LEARN indicator lights.
3. Press ENTER button to continue erasing.
• The SEND indicator blinks twice and the mode returns to LEARN mode.
• To cancel the erasing operation, do not press ENTER button and simply touch any other button.
4. To return the NORMAL mode, press the SET button.

Notes:
• When the SEND indicator blinks once again, the transmitting code is unavailable for RC5001SR, or the transmitting signal is intercepted by noise.
• If no buttons are pressed for approximately 1 minutes while in the LEARN mode, the remote controller automatically exits from the LEARN mode.

Note:
Erasing codes will return to the factory preset code, or there will leave empty if the button has no factory preset code.
**CONNECTIONS**

**SPEAKER PLACEMENT**

The ideal surround speaker system for this unit is 7-speaker systems, using front left and right speakers, a center speaker, surround left and right speakers, a surround back left and right speakers, and a subwoofer.

For best results we recommend that all front speakers be of the same type, with identical or similar drive units. This will deliver smooth pans across the front sound stage as the action moves from side to side.

Your center channel speaker is very important as over 80% of the dialog from a typical motion picture emanates from the center channel.

It should possess similar sonic characteristics to the main speakers. Surround channel speakers need not be identical to the front channel speakers, but they should be of high quality.

The surround center speaker is useful for playback of Dolby Digital Surround EX or DTS-ES. One of the benefits of both Dolby Digital and DTS is that surround channels are discrete full range, while they were frequency limited in earlier “Pro Logic” type systems.

Bass effects are an important part of home theater. For optimal enjoyment a subwoofer should be used as it is optimized for low frequency reproduction. If you have full range front speakers, however, they may be used in place of a subwoofer with proper setting of the switches in the menu system.

**Surround left and right speakers**

When the SR4001/SR5001 is used in surround operation, the preferred location for surround speakers is on the side walls of the room, at or slightly behind the listening position.

The center of the speaker should face into the room.

**Surround back left and right speakers**

Surround back speakers are required when a full 7.1-channel system is installed.

Speakers should be placed on a rear wall, behind the listening position.

The center of the speaker should face into the room.

**Subwoofer**

We recommend using a sub-woofer to have maximum bass effect. Sub-woofer bears only low frequency range so you can place it any where in the room.

**HEIGHT OF THE SPEAKER UNITS**

**Front left and right speakers, and a center speaker**

Align the tweeters and mid-range drivers on the three front speakers at the same height, as best as possible.

**Surround left and right speakers, and surround back speaker**

Place the surround left, right and surround back speakers higher than your ears by about 70cm ~ 1m. Also place the speakers at the same height, as best as possible.

---

**CONNECTING SPEAKERS**

**CONNECTING SPEAKER WIRE**

1. Strip away approx. 3/8 inch (10 mm) of wire insulation.
2. Twist the bared wire ends tight, to prevent short circuits.
3. Loosen the knob by turning it counterclockwise.
4. Insert the bare part of the wire into the hole in side of each terminal.
5. Tighten the knob by turning it clockwise to secure the wire.
Caution:
- Be sure to use speakers with the specified impedance as shown on the rear panel of this unit.
- To prevent damage to circuitry, do not let the bare speaker wires touch each other and do not let them touch any metal part of this unit.
- Do not touch the speaker terminals when the power is on. It may cause you to receive an electric shock.
- Do not connect more than one speaker cable to one speaker terminal. Doing so may damage this unit.

Note:
Be sure to connect the positive and negative cables for the speaker properly. If they are miss-connected, the signal phase will be reversed and the signal quality will be corrupted.

**CONNECTING A SUBWOOFER**
Use the PRE OUT SUBWOOFER jack to connect a powered subwoofer (power amplifier built in). If your subwoofer is a passive type (power amplifier is not built in), connect a monaural power amplifier to the PRE OUT SUBWOOFER jack and connect the subwoofer to the amplifier.

The output audio signal from the TAPE OUT jack and the CD-R/MD OUT jack is the same signal which is currently selected.

Caution:
Do not connect this unit and other components to mains power until all connections between components have been completed.

Notes:
- Insert all plugs and connectors securely. Incomplete connections may make noise.
- Be sure to connect the left and right channels properly. Red connectors are for the R (right) channel, and white connectors are for the L (left) channel.
- Do not bind audio/video connection cables with power cords and speaker cables this will result in generating a hum or other noise.

**CONNECTING DIGITAL AUDIO COMPONENTS**
- There are 4 digital inputs, 2 coaxial jacks and 2 optical jacks, on the rear panel. You can use these jacks to input PCM, Dolby Digital and DTS bitstream signals from a CD, DVD, or other digital source components.
- There is one digital output coaxial jack and one optical output jack on the rear panel. These jacks can be connected to a CD recorder-, or a MD deck inputs, respectively.
- Refer to the instructions for each component. To setup the digital audio format of DVD player, or other digital source’s connected to digital input jacks.
- Use fiber optical cables (optical) for DIG-1,2,3 input jacks. Use 75 ohms coaxial cables (for digital audio or video) for DIG-4,5 input jacks.
- You can designate the input for each digital input/output jacks according to your component. See page 26.

Notes:
- There is no Dolby Digital RF input jack. Please use an external RF demodulator Dolby Digital decoder when connecting the Dolby Digital RF output jack of the video disc player to the digital input jack.
- The digital signal jacks on this unit conform to the EIA standard. If you use a cable that does not conform to this standard, this unit may not function properly.
- Each type of audio jack works independently. Signals input through the digital and analog jacks are output through the corresponding digital and analog jacks, respectively.
**CONNECTING VIDEO COMPONENTS**

**VIDEO, S-VIDEO, COMPONENT JACKS**

There are 3 types of video jacks on the rear panel.

- **VIDEO jack**
  - The video signal for the VIDEO jacks is the conventional composite video signal.

- **S-VIDEO jack**
  - The video signal is separated into luminance (Y) and color (C) signals for the S-VIDEO jack. The S-VIDEO signals enable high-quality color reproduction. If your video component has an S-VIDEO output, we recommend using it. Connect the S-VIDEO output jack on your video component to the S-VIDEO input jack on this unit.

- **Component jack**
  - Make component video connections to a TV or monitor with component inputs to produce higher quality video images. Use a component video cable or 3 video cords to connect the component video out jacks on the SR4001/SR5001 to the monitor.

**Notes:**
- Be sure to connect the left and right audio channels properly.
- Red connectors are for the R (right) channel, and white connectors are for the L (left) channel.
- Be sure to connect the inputs and outputs of the video signals properly.
- If you connect the S-VIDEO or component signal to the S-VIDEO or component jack on this unit, it is not necessary to connect the conventional video signal to the VIDEO (composite) jack. If you use both video inputs, this unit gives priority to the S-VIDEO signal.
- Each type of video jack works independently. Signals input to the VIDEO (composite) and S-VIDEO jacks or component are output to the corresponding VIDEO (composite) and S-VIDEO or component jacks, respectively.
- This unit has the “TV-AUTO ON/OFF” function to turn the TV ON or OFF automatically, by sensing the incoming video signal from the VIDEO jacks.
- You may need to setup the digital audio output format of your DVD player, or other digital source components. Refer to the instructions of the each component connected to the digital input jacks.
- There is no Dolby Digital RF input jack. Please use an external RF demodulator with a Dolby Digital decoder to connect a video disc player which has a Dolby Digital RF output jack to the digital input jack on this unit.
ADVANCED CONNECTING

CONNECTING MULTI CHANNEL AUDIO SOURCE

The 7.1CH INPUT jacks are for multichannel audio source such as a Super Audio CD multichannel player, DVD audio player or external decoder. If you use these jacks, switch on the 7.1CH INPUT and set the 7.1CH INPUT level by using the SETUP MAIN MENU. See page 29.

CONNECTING AN EXTERNAL POWER AMPLIFIER

The PREOUT jacks are for connecting external power amplifiers. Be sure to connect each speaker to the corresponding external power amplifier.

CONNECTING THE REMOTE CONTROL JACKS

You can control other Marantz products through this unit with the remote control by connecting the REMOTE CONTROL terminals on each unit. The signal transmitted from the remote control is received by the remote sensor on this unit. Then the signal is sent to the connected device through this terminal. Therefore you need to aim the remote signal only to the unit. Also, if a Marantz power amplifier (some models excluded) is connected to one of these terminals, the power amplifier’s, power switch is synchronized with this unit’s power switch.

Set the REMOTE CONTROL SWITCH on the units, other than the main unit to EXT.(EXTERNAL) for this feature.

Note:

Whenever external infrared sensors or similar devices are not connected.

1. Hold down the 7.1CH INPUT (SR4001) / MULTI (SR5001) button and MENU button on the front panel at the same time for five seconds.
2. The setting “IR=ENABLE” is shown on the FL DISPLAY.
3. Press the or cursor button to change this to “IR=DISABLE”.
4. Press the ENTER button. Once this setting is made, the infrared sensor on the main unit is disabled.
5. To restore the original setting, perform steps 1 to 4 to set to “IR=ENABLE”.

Note:

Be sure to set to “IR=ENABLE” when external infrared sensors or similar devices are not connected. Otherwise, the main unit will be unable to receive remote control commands.
**ASSEMBLING THE AM LOOP ANTENNA**

1. Release the vinyl tie and take out the connection line.
2. Bend the base part in the reverse direction.
3. Insert the hook at the bottom of the loop part into the slot at the base part.
4. Place the antenna on stable surface.

**CONNECTING THE SUPPLIED ANTENNAS**

**Connecting the supplied FM antenna**
The supplied FM antenna is for indoor use only. During use, extend the antenna and move it in various directions until the clearest signal is received. Fix it with push pins or similar implements in the position that will cause the least amount of distortion. If you experience poor reception quality, an outdoor antenna may improve the quality.

**Connecting the supplied AM loop antenna**
The supplied AM loop antenna is for indoor use only. Set it in the direction and position it to where you receive the clearest sound. Put it as far away as possible from the unit, televisions, speaker cables, and power cords.
If you experience poor reception quality, an outdoor antenna may improve the quality.

1. Press and hold down the lever of the AM antenna terminal.
2. Insert the bare wire into the antenna terminal.
3. Release the lever.

**CONNECTING AN FM OUTDOOR ANTENNA**

**Notes:**
- Keep the antenna away from noise sources (neon signs, busy roads, etc.).
- Do not put the antenna close to power lines. Keep it well away from power lines, transformers, etc.
- To avoid the risk of lightning and electrical shock, grounding is necessary.

**CONNECTING AN AM OUTDOOR ANTENNA**

An outdoor antenna will be more effective if it is stretched horizontally above a window or outside.

**Notes:**
- Do not remove the AM loop antenna.
- To avoid the risk of lightning and electrical shock, grounding is necessary.
XM RADIO OVERVIEW (SR5001 only)

SR5001 is the XM Ready® receiver. You can receive XM Satellite Radio® by connecting to the XM Connect- and-Play™ or Possport system (sold separately) and subscribing the XM service.

Introducing XM Satellite Radio
There’s a world of audio listening pleasure beyond AM and FM. XM Satellite Radio which includes:

• Over 170 Digital Channels
• The most commercial-free music in satellite radio
• Live concerts plus exclusive original programming
• The biggest names in news, talk, and entertainment
• The most sports play-by-play
• Major league Baseball. Every team. All season long.

Questions? Visit www.xmradio.com

How to Subscribe
Listeners can subscribe by visiting XM on the Web at www.xmradio.com or by calling XM’s Listener Care at (800) 967-2346. Customers should have their Radio ID and credit card ready. The Radio ID can be found by selecting channel 0 on the radio.

(See the “CHECKING THE XM SIGNAL STRENGTH AND RADIO ID”)

A Warning Against Reverse Engineering
It is prohibited to copy, decompile, disassemble, reverse engineer, or manipulate any technology incorporated in receivers compatible with the XM Satellite Radio system. Furthermore, the AMBE voice compression software included in this product is protected by intellectual property rights including patent rights, copyrights, and trade secrets of Digital Voice Systems, Inc. The user of this or any other software contained in an XM Radio is explicitly prohibited from attempting to copy, decompile, reverse engineer, or disassemble the object code, or in any other way convert the object code into human-readable form. The software is licensed solely for use within this product.

XM $ 12.95 monthly service subscription sold separately. XM Passport system required to receive XM service (sold separately). Installation costs and 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. Subscriptions subject to Customer Agreement available at xmradio.com. XM service only available in the 48 contiguous United States. [XM Ready, XMDirect™] are trademarks of XM Satellite Radio Inc. © 2006 XM Satellite Radio Inc. All rights reserved.
CONNECTING FOR THE MULTI ROOM (SR5001 only)

Note:
You can use surround back speaker terminals as multi room speaker terminals when you use no surround back speaker.

CONNECTING FOR SPEAKER C USE (SR5001 only)

Bi-wire Connection
A bi-wire connection is possible with speakers that have two sets of inputs (for treble and bass). This allows you to drive the treble and bass units with separate channel amps, which enables better sound quality. Connect the speakers as shown in the figure. Set the SPEAKER C selector switch on the rear panel to ON.

Notes:
- If incorrectly connected, a protective circuit in the receiver will trip and set the receiver to standby. (The STANDBY indicator will flash.) In such case, recheck the connections between the speakers and the receiver.
- Turn power to the receiver off before changing the setting of the SPEAKER C selector switch.

Note:
You can use surround back speaker terminals as multi room speaker terminals when you use no surround back speaker.
HDMI JACK

This unit has two HDMI inputs and one HDMI output. It can send digital video and audio signals from DVDs and other sources directly to a display. It minimizes signal degradation caused by analog conversion so that high quality images can be enjoyed.

Select an input source from the OSD menu system. (See page 26)

Notes:

- When the HDMI output is connected to a display monitor that does not support HDCP, signals are not output. To view images in HDMI, it is necessary to connect to a display that supports HDCP.
- There may be no image output if connected to a TV or display that is not compatible with the above format.
- Refer to the instruction manual of the TV or display to be connected to the SR4001/SR5001 for detailed information regarding the HDMI terminal.

* HDCP: High-bandwidth Digital Content Protection

CONNECTING HDMI DEVICES

An HDMI cable (sold separately) is used to connect the HDMI jack on the SR4001/SR5001 with the HDMI jack on a DVD player, TV, projector or other component. To transmit multichannel audio via HDMI, the connected player must support multichannel audio transmission through its HDMI jack.

HDMI video streaming is compatible with DVI in principle. Therefore, it is possible to connect to a TV or monitor that has a DVI terminal using an HDMI-DVI conversion cable or plug. When connecting to a DVI terminal, connect the audio signal separately.

Notes:

- Some HDMI components can be controlled over the HDMI cable, but this receiver cannot control other components this way.
- When connected to a monitor (i.e., TV, projector, etc.) that does not support HDCP, video and audio are not output.
- DVI cables come with 24-pin and 29-pin plugs. This receiver supports 24-pin DVI-D cables; 29-pin DVI cables cannot connect to it.
- Some source devices such as DVD players do not support HDMI repeater operations like those of the SR4001/SR5001. In such case, pictures are not properly projected on monitors such as TVs and projectors.
- When multiple components are connected to this receiver, turn power to unused components off to prevent interference between them.
After all components are connected, initial setup must be performed.

**ON SCREEN DISPLAY MENU SYSTEM**

The SR4001/SR5001 incorporates an on-screen menu system, which makes various operations possible by using the cursor (▲, ◄, ◄, ►) and ENTER buttons on the remote control or on the front panel.

*Note:*
To view the on-screen displays, make certain you have made a connection from the Monitor Out jack on the rear panel to the composite, S-Video, component video input of your TV or projector. (see page 19)

1. Press the AMP button of the remote control. (This step is not needed when operating the setup menus from the receiver itself.)
2. Press the MENU button on the remote control or set to display the “SETUP MAIN MENU” of the OSD menu system.

There are 8 items in the SETUP MAIN MENU.

3. Select a desired sub-menu with the ▲ or ◄ cursor buttons, and press the ENTER button to enter. The display will change to the selected sub-menu. You can lock the condition of setup to each sub-menu with the ◄ or ► or cursor buttons.

*Note:*
If you desire to adjust any sub-menu, you need to set it to UNLOCKED.

4. If you desire to exit from this menu system, press the EXIT button, or move the cursor to EXIT and press the ENTER button.
1. Select “INPUT SETUP” in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the ENTER button.

2. To select the input source and MODE, press the ▲ or ▼ cursor buttons.

3. To select “DIG” “HDMI” or “COMP” for the input jack, press the ▲ or ▼ cursor buttons.

4. To select the video source, select “HDMI” or “COMP” by pressing the ▲ or ▼ cursor buttons, and press the ▲ or ▼ cursor buttons to select the video source to be assigned.

5. After you complete this portion of the set up, move the cursor to MAIN with ▲ or ▼ cursor buttons and press the ENTER button.

2  SPEAKER SETUP

After you have installed the SR4001/SR5001, connected all the components, and determined the speaker layout, it is now time to perform the settings in the Speaker Setup menu for the optimum sound acoustics for your environment and speaker layout.

Before you perform the following settings, it is important that you first determine the following characteristics:

2-1 SPEAKERS SIZE

When setting the speaker size in the SPEAKER SIZE sub-menu, use the guidelines given below.

LARGE:

The complete frequency range for the channel you are setting will be output from the speaker.

SMALL:

Frequencies of the channel you are setting lower than approx. 100 Hz will be output from the subwoofer.

If the Subwoofer is set to “NONE” and the front speakers are set to “LARGE,” then the sound will be output from both the left and right speakers.

4. After you complete this portion of the set up, move the cursor to ‘NEXT’ with the ▲ or ▼ cursor buttons and then press the ENTER button to go to the next page.

SUBWOOFER:

YES: Select when a subwoofer is connected.

NONE: Select when a subwoofer is not connected.

FRONT L/R

LARGE: Select if the front speakers are large.

SMALL: Select if the front speakers are small.

• If “NONE” is selected for the Subwoofer setting, then this setting is fixed to “LARGE.”

CENTER

NONE: Select if no center speaker is connected.

LARGE: Select if the center speaker is large.

SMALL: Select if the center speaker is small.

SURROUND L/R

NONE: Select if no surround left and right speakers are connected.

LARGE: Select if the surround left and right speakers are large.

SMALL: Select if the surround left and right speakers are small.

SURR. BACK

NONE: Select if no surround back speaker is connected.

LARGE: Select if the surround back speaker is large.

SMALL: Select if the surround back speaker is small.

Notes:

• If “NONE” is selected for the Surround L/R setting, then this setting is not available.

LPF/HPF

When you use a subwoofer, you can select the cutoff frequency for the small speakers used. Select one of the crossover frequency levels according to the size of the small speaker connected.

80Hz → 100Hz → 120Hz → 150Hz → 180Hz

Notes:

• If using small front speakers, set a slightly higher frequency. If using large front speakers, set a slightly lower frequency.

• If Pure-Direct mode, 7.1CH Input is in use, this function does not take effect.

BASS MIX

• The bass mix setting is only valid when “LARGE” is selected for the front speakers and “YES” is set for the subwoofer during stereo playback.

This setting has effect only during playback of PCM or analog stereo sources.

• When “BOTH” is selected, the low frequencies will be played through the main L&R, as well as the subwoofer.

In this playback mode, the low frequency range expand more uniformly through the room, but depending on the size and shape of the room, interference may result in a decrease of the actual volume of the low frequency range.

• By selecting “MIX,” the low frequencies will play through the main L&R only.

LFE signals during playback of Dolby Digital or DTS, will be played through the subwoofer.

Notes:

• If using small front speakers, set a slightly higher frequency. If using large front speakers, set a slightly lower frequency.

• The bass mix setting is only valid when “LARGE” is selected for the front speakers and “YES” is set for the subwoofer during stereo playback.

This setting has effect only during playback of PCM or analog stereo sources.

• When “BOTH” is selected, the low frequencies will be played through the main L&R, as well as the subwoofer.

In this playback mode, the low frequency range expand more uniformly through the room, but depending on the size and shape of the room, interference may result in a decrease of the actual volume of the low frequency range.

• By selecting “MIX,” the low frequencies will play through the main L&R only.

LFE signals during playback of Dolby Digital or DTS, will be played through the subwoofer.
**2-2 SPEAKERS DISTANCE**

Use this parameter to specify the distance of each speaker’s position from the listening position. The delay time is automatically calculated according to these distances. Begin by determining the ideal or most commonly used seating position in the room.

This is important for the timing of the acoustics to create the proper sound space that the SR4001/ SR5001 and today’s sound systems are able to produce.

**Note:**
For speakers that you have selected “NONE” the Speaker Configuration sub-menu will not appear here. (There are several useful books and special DVD and LD’s available to guide you through proper home theater configuration. If you are unsure, have your Marantz dealer perform the installation for you. They are trained professionals familiar with even the most sophisticated custom installations. Marantz recommends the WWW.CEDIA.ORG website for further information about this).

<table>
<thead>
<tr>
<th>2-2 SPEAKERS DISTANCE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FRONT L : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>FRONT R : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>CENTER : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>SURR.L : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>SURR.R : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>SUB W : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>SUB.B : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>SUB.R : 10 ft 3.0 m</td>
<td></td>
</tr>
<tr>
<td>MAIN RETURN EXIT</td>
<td></td>
</tr>
</tbody>
</table>

1. To select each speaker, press the ▲ or ▼ cursor buttons.
2. To set the distance for each speaker, press the ◄ or ► cursor buttons.
3. After you complete this portion of the set up, move the cursor to "NEXT" with the ▲ or ▼ cursor buttons and then press the ENTER button to go to the next page.

**FRONT R:**
Set the distance from the front right speaker to your normal listening position.

**SURR. L:**
Set the distance from the surround left speaker to your normal listening position.

**SURR. R:**
Set the distance from the surround right speaker to your normal listening position.

**SUB W:**
Set the distance from the subwoofer to your normal listening position.

**Notes:**
- The distance that you set to each speaker in meters (m) or feet (ft) as follows.
  - m: 0.3 - 9 m in 0.3 m steps
  - ft: 1 - 30 ft in 1 ft steps
- For the speakers that you have selected “NONE” the Speaker Size menu will not appear.
- The setting for Surr.Back L and Surr.Back R appears if you set it for it, two surround back speakers in the Speaker Size menu.
- The setting of Surr.Back appears if it is set for one surround back speaker in the Speaker Size menu.

**2-3 SPEAKERS LEVEL SETTING WITH TEST TONE**

Here you will set the volume for each speaker so that they are all heard by the listener at the same level. We recommend using a SPL (Sound Pressure Level) meter, when available.

**Note:**
The speaker level settings are not available in 7.1 Channel Input mode, CS mode and Multi Channel Stereo mode.

<table>
<thead>
<tr>
<th>2-3 SPEAKERS LEVEL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TEST MODE : MANUAL</td>
<td></td>
</tr>
<tr>
<td>FRONT L : 0 dB</td>
<td></td>
</tr>
<tr>
<td>CENTER : 0 dB</td>
<td></td>
</tr>
<tr>
<td>FRONT R : 0 dB</td>
<td></td>
</tr>
<tr>
<td>SURR. R : 0 dB</td>
<td></td>
</tr>
<tr>
<td>SURR.B R : 0 dB</td>
<td></td>
</tr>
<tr>
<td>SURR.B L : 0 dB</td>
<td></td>
</tr>
<tr>
<td>SURR.L : 0 dB</td>
<td></td>
</tr>
<tr>
<td>SUB W : 0 dB</td>
<td></td>
</tr>
<tr>
<td>MAIN RETURN EXIT</td>
<td></td>
</tr>
</tbody>
</table>

**TEST MODE :**
Selects “MANUAL” or “AUTO” for generating the mode of the test tone with the ◄ or ► cursor buttons.

If you select “AUTO”, the test tone will be cycled through in a circular pattern which is Left → Center → Right → Surround Right → Surround Back Right → Surround Back Left → Surround Left → Subwoofer → Left → . Increments of 2 seconds for each channel.

Using the ◄ or ► cursor buttons, adjust the volume level of the noise from the speaker so that it is the same level for all the speakers.

If you select “MANUAL”, adjust the output level of each speaker as listed below.

1. When you move the cursor to FRONT L by pressing the ◄ cursor button, the SR4001/ SR5001 will emit a pink noise from the front left speaker.
2. When you move the cursor to CENTER by pressing the ◄ cursor button, the SR4001/ SR5001 will emit the pink noise from the center speaker.
3. When you move the cursor to SURR. L by pressing the ◄ cursor button, the SR4001/ SR5001 will emit the pink noise from the surround left speaker.
4. When you move the cursor to SURR. R by pressing the ◄ cursor button, the SR4001/ SR5001 will emit the pink noise from the surround right speaker.
5. When you move the cursor to SUB by pressing the ◄ cursor button, the SR4001/ SR5001 will emit the pink noise from the subwoofer.

**STANDBY MODE:**
When this function is set to “ECONOMY”, you can reduce the power consumption when the unit is in the standby mode.

**Note:**
TV-AUTO and RS-232C are disabled in the “ECONOMY” setting (SR5001 only).

**OSD Info:**
Select the OSD information function to enable or disable with the ◄ or ► cursor buttons.

If you select “ENABLE”, the SR4001/SR5001 will display the status of the feature (Volume up/down, input select, etc.) on the TV monitor. But if you do not desire this information, select “DISABLE”.

**BILINGUAL:**
In the Bilingual mode, Dolby Digital and DTS output is set to either “MAIN” or “SUB”. Select “BILINGUAL” with the ◄ and ► cursor buttons, then select MAIN ↔ SUB ↔ MAIN+SUB with the ◄ or ► cursor buttons.
VIDEO CONVERT:
Select the VIDEO CONVERT function to enable or disable with the ▲ or ▼ cursor buttons. (Video cable connection: Refer to page 19)

HDMI AUDIO:
This setting determines whether playback audio input to the HDMI jacks through the SR4001/SR5001 or output it through the receiver to a TV or projector.

ENABLE:
The audio input to the HDMI jacks can be played back by this receiver. In such case, audio signals are not output to the TV or projector.

THROUGH:
The audio input to the HDMI jacks is not output from the speaker terminals of the SR4001/SR5001. Audio data is output directly to the TV or projector. This setting is used to listen to audio on a multi channel TV, etc.

DC TRIGGER:
Select “DC TRIG SETUP” in the SETUP MAIN MENU with ▲ or ▼ cursor button, and press the ENTER button.

Notes:
- REMOTE is available for the external control. The RCS001SR cannot operate this function.
- To select desired input source, press ▲ or ▼ cursor button.
- To set ON or OFF, press ▲ or ▼ cursor button.
- After you complete this portion of the set up, move the cursor to “MAIN” with the ▲ or ▼ cursor buttons and press the ENTER button.

After you complete this portion of the set up, move the cursor to “MAIN” with the ▲ or ▼ cursor buttons and press the ENTER button.

DC TRIGGER SETUP:
Select “DC TRIG SETUP” in the SETUP MAIN MENU with ▲ or ▼ cursor buttons, and press the ENTER button.

4 SURROUND

1. Select “SURROUND” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

2. To select a desired surround mode with the ▲ or ▼ cursor buttons.

SURR.MODE:
Select the desired surround mode with the ▲ or ▼ cursor buttons.

HT-EQ:
Select to active the HT-EQ with the ▲ or ▼ cursor buttons. The tonal balance of a film soundtrack will be excessively bright and harsh when played back over audio equipment in the home. This is because film soundtracks were designed to be played back in large movie theater environments. Activating the HT-EQ feature when watching a film made for movie theaters corrects this and restores the correct tonal balance.

LFE LEVEL:
Select the output level of the LFE signal included in the Dolby Digital signal or the DTS signal. Select 0 dB, -10 dB or OFF with the ▲ or ▼ cursor buttons.

DIMENSION:
Set the Dimension level between +3 and –3 level in 1 level intervals with the ▲ or ▼ cursor buttons. Adjust the soundfield either towards the front or towards the rear. This can be useful to help achieve a more suitable balance from all the speakers with certain recordings.

CENTER WIDTH:
Set the Center width level between 0 and 7 in 1 level intervals with the ▲ or ▼ cursor buttons. Center Width allows you to gradually spread the center channel sound into the front left and right speakers. At its widest setting, all the sound from the center is mixed into the left and right. This control may help achieve a more spacious sound or a better blend for the front image.

PRO LOGIC II MUSIC PARAMETER
Pro Logic II-Music mode creates a rich and enveloping surround ambience from stereo sources such as CDs.

In this mode, SR4001/SR5001 includes three controls to fine-tune the soundfield as follows.

1. Select “SURROUND” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

2. To select desired contents as below, press the ▲ or ▼ cursor buttons.

PARAMETER:
Select “DEFAULT” or “CUSTOM” with the ▲ or ▼ cursor buttons. If you select “CUSTOM”, you can adjust three parameters as listed below.

SRS DIALOG:
Select the Panorama mode On or Off with the ▲ or ▼ cursor buttons. This control may help achieve a more spacious sound or a better blend for the front image.

TRUBASS:
Select the TRUBASS level between 0 and 6 level in 1 level intervals with the ▲ or ▼ cursor buttons. TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

SRS DIALOG:
Set the SRS DIALOG level between 0 and 6 in 1 level intervals with the ▲ or ▼ cursor buttons.

5 PL II MUSIC PARAMETER

Select “PL II MUSIC” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

PARAMETER:
Select “DEFAULT” or “CUSTOM” with the ▲ or ▼ cursor buttons. If you select “CUSTOM”, you can adjust three parameters as listed below.

PANORAMA:
Select the Panorama mode On or Off with the ▲ or ▼ cursor buttons. Panorama wraps the sound of the front left and right speakers around you, for an exciting perspective.

DIMENSION:
Set the Dimension level between +3 and –3 level in 1 level intervals with the ▲ or ▼ cursor buttons. Adjust the soundfield either towards the front or towards the rear. This can be useful to help achieve a more suitable balance from all the speakers with certain recordings.

CENTER WIDTH:
Set the Center width level between 0 and 7 in 1 level intervals with the ▲ or ▼ cursor buttons. Center Width allows you to gradually spread the center channel sound into the front left and right speakers. At its widest setting, all the sound from the center is mixed into the left and right. This control may help achieve a more spacious sound or a better blend for the front image.

TRUBASS:
Select the TRUBASS level between 0 and 6 level in 1 level intervals with the ▲ or ▼ cursor buttons. TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

SRS DIALOG:
Set the SRS DIALOG level between 0 and 6 in 1 level intervals with the ▲ or ▼ cursor buttons.

6 CS II (CIRCLE SURROUND II) PARAMETER

1. Select “CS II” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

2. To select desired contents as below, press the ▲ or ▼ cursor buttons.

TRUBASS:
Set the TRUBASS level between 0 and 6 level in 1 level intervals with the ▲ or ▼ cursor buttons. TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

SRS DIALOG:
Set the SRS DIALOG level between 0 and 6 in 1 level intervals with the ▲ or ▼ cursor buttons. This can be popped out of the surround audio effects, allowing the listener to easily discern what the actors say.

5 PL II MUSIC PARAMETER

Select “PL II MUSIC” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

PARAMETER:
Select “DEFAULT” or “CUSTOM” with the ▲ or ▼ cursor buttons. If you select “CUSTOM”, you can adjust three parameters as listed below.

PANORAMA:
Select the Panorama mode On or Off with the ▲ or ▼ cursor buttons. Panorama wraps the sound of the front left and right speakers around you, for an exciting perspective.

DIMENSION:
Set the Dimension level between +3 and –3 level in 1 level intervals with the ▲ or ▼ cursor buttons. Adjust the soundfield either towards the front or towards the rear. This can be useful to help achieve a more suitable balance from all the speakers with certain recordings.

CENTER WIDTH:
Set the Center width level between 0 and 7 in 1 level intervals with the ▲ or ▼ cursor buttons. Center Width allows you to gradually spread the center channel sound into the front left and right speakers. At its widest setting, all the sound from the center is mixed into the left and right. This control may help achieve a more spacious sound or a better blend for the front image.

TRUBASS:
Select the TRUBASS level between 0 and 6 level in 1 level intervals with the ▲ or ▼ cursor buttons. TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

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Set the SRS DIALOG level between 0 and 6 in 1 level intervals with the ▲ or ▼ cursor buttons.

6 CS II (CIRCLE SURROUND II) PARAMETER

1. Select “CS II” in the SETUP MAIN MENU with the ▲ or ▼ cursor buttons, and press the ENTER button.

2. To select desired contents as below, press the ▲ or ▼ cursor buttons.

TRUBASS:
Set the TRUBASS level between 0 and 6 level in 1 level intervals with the ▲ or ▼ cursor buttons. TRUBASS produced by the speakers are an octave below the actual physical capabilities of the speakers adding exciting, deeper bass effects.

SRS DIALOG:
Set the SRS DIALOG level between 0 and 6 in 1 level intervals with the ▲ or ▼ cursor buttons. This can be popped out of the surround audio effects, allowing the listener to easily discern what the actors say.

If “NONE” was selected for the Center speaker setting, in the Speaker size set up menu, then this setting will not appear.

After you complete this portion of the set up, move move the cursor to “MAIN” with the ▲ or ▼ cursor buttons and press the ENTER button.
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8 MULTI ROOM (SR5001 only)

SR5001 has features in MULTI ROOM SYSTEM such as source selector, sleep timer, Multi Room Speaker output and remote control. You can set these feature in this sub-menu.

8 MULTI ROOM AUDIO : DVD
SLEEP TIMER : OFF
MULTI:OUT : STEREO
MULTI:OFF : MSPK :
VOL : VARI
LEVEL : -90dB

--- MAIN ROOM STATUS ---
VIDEO: DVD AUDIO : DVD

1. Select “MULTI ROOM” in the SETUP MAIN MENU with ▲ or ▼ cursor button, and press the ENTER button.
2. To Select desired contents, press ▲ or ▼ cursor button.
3. Using the ▲ or ▼ cursor buttons, select the audio source of the Multi-room output with ▲ or ▼ cursor buttons.
4. SLEEP TIMER: SLEEP timer function is available during the multiroom is active, set the time with ▲ or ▼ cursor buttons.
5. MULTI OUT: To switch MULTI and MSPK outputs to either STEREO or MONO, press ▲ or ▼ cursor button.
6. MULTI (MULTI ROOM): To switch on the Multi-room output ON or OFF, press ▲ or ▼ cursor button.
7. VOL (VOLUME SETUP): Select whether the Multi-room output level is variable or fixed with ▲ or ▼ cursor buttons.
8. LEVEL (VOLUME LEVEL): Adjust the Multi-room output level with ▲ or ▼ cursor button.

Notes:
This setting can be changed when the Surr Back is set “NONE” in 2-1 SPEAKER SIZE menu. When this setting is unavailable, “✽✽✽” is displayed

MAIN ROOM STATUS:
Selected input source in the main room will be displayed.

Note:
If “VOLUME” is set to “FIXED”, the multi-room output level cannot be adjusted from the second zone.

After you complete this portion of the set up, move the cursor to “MAIN” with ▲ or ▼ cursor buttons and press ENTER button.

LEVEL (VOLUME LEVEL):
Adjust the Multi-speaker output level with ▲ or ▼ cursor button.

Notes:
This setting can be changed when the Surr Back is set “NONE” in 2-1 SPEAKER SIZE menu. When this setting is unavailable, “✽✽✽” is displayed

MAIN ROOM STATUS:
Selected input source in the main room will be displayed.

Note:
If “VOLUME” is set to “FIXED”, the multi-room output level cannot be adjusted from the second zone.

After you complete this portion of the set up, move the cursor to “MAIN” with ▲ or ▼ cursor buttons and press ENTER button.

Notes:
These settings will be memorized to 7.1CH INPUT source.
This feature can be directly selected with the CH.SEL button of the remote controller.
You can setup the speaker conditions quickly with SIMPLE SETUP menu. In this menu, the number of speakers and speaker delay time can be set. These settings can be changed more detail in “2. SPEAKER” setup menu. Press the SIMPLE SETUP button on the unit to enter this menu.

1. Press the SIMPLE SETUP button on the unit to enter the “SPEAKERS” menu.
2. Press or cursor button to select the speaker number.
3. Press the cursor button to enter the “ROOM” menu.
4. Press or cursor button to select the room size.
5. After finishing all setup, press the cursor button to exit the SIMPLE SETUP menu.

Note:
All Simple Setup menu is reset when the speaker setting is changed with Speaker Setup menu.

The relation of the speakers number and connected speaker

<table>
<thead>
<tr>
<th>CHANNEL</th>
<th>Front L/R (F)</th>
<th>Front Center (C)</th>
<th>Surround L/R (S)</th>
<th>Surround Back L/R (SB)</th>
<th>Sub woofer (SW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.1 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>2ch</td>
<td>YES</td>
</tr>
<tr>
<td>7.0 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>2ch</td>
<td>NONE</td>
</tr>
<tr>
<td>6.1 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>1ch</td>
<td>YES</td>
</tr>
<tr>
<td>6.0 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>1ch</td>
<td>NONE</td>
</tr>
<tr>
<td>5.1 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>NONE</td>
<td>YES</td>
</tr>
<tr>
<td>5.0 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>SMALL</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>4.1 ch</td>
<td>LARGE</td>
<td>NONE</td>
<td>SMALL</td>
<td>NONE</td>
<td>YES</td>
</tr>
<tr>
<td>4.0 ch</td>
<td>LARGE</td>
<td>NONE</td>
<td>SMALL</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>3.1 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>NONE</td>
<td>NONE</td>
<td>YES</td>
</tr>
<tr>
<td>3.0 ch</td>
<td>LARGE</td>
<td>SMALL</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>2.1 ch</td>
<td>LARGE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>2.0 ch</td>
<td>LARGE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
</tbody>
</table>

The relation of the room size and floor space

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Floor space</th>
<th>Width (W)</th>
<th>Depth (D)</th>
<th>Imaging Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMALL</td>
<td>10 m²</td>
<td>2.7 m</td>
<td>3.6 m</td>
<td>Front (F) 6 ft. (1.8 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Center (C) 5 ft. (1.5 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surround (S) 4 ft. (1.2 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surr. Back (SB) 5 ft. (1.5 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sub Woofer (SW) 5 ft. (1.5 m)</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>16 m²</td>
<td>3.6 m</td>
<td>4.5 m</td>
<td>Front (F) 7 ft. (2.1 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Center (C) 6 ft. (1.8 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surround (S) 5 ft. (1.5 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surr. Back (SB) 7 ft. (2.1 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sub Woofer (SW) 6 ft. (1.8 m)</td>
</tr>
<tr>
<td>LARGE</td>
<td>24 m²</td>
<td>4.5 m</td>
<td>5.4 m</td>
<td>Front (F) 9 ft. (2.7 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Center (C) 8 ft. (2.4 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surround (S) 7 ft. (2.1 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surr. Back (SB) 8 ft. (2.4 m)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sub Woofer (SW) 8 ft. (2.4 m)</td>
</tr>
</tbody>
</table>

The relation of the room size and floor space is a roughly standard.
BASIC OPERATION
(PLAYBACK)

SELECTING AN INPUT SOURCE

Before you can listen to any input media, you must first select the input source on the SR4001/SR5001.

Example: DVD

To select DVD, turn the INPUT SOURCE knob on the front panel or simply press the DVD button on the remote.

After you have selected DVD, simply turn on the DVD player and play the DVD.

- As the input source is changed, the new input name will appear momentarily an OSD information on the video display. The input name will also appear in the display, on the front-panel.
- As the input is changed, the SR4001/SR5001 will automatically switch to the digital input, surround mode, attenuation, and night mode status which were entered during the configuration process for that source.
- When an audio source is selected, the last video input used remains routed to the VCR1 Output and Monitor Output. This permits simultaneous viewing and listening to different sources.
- When a Video source is selected, the video signal for that input will be routed to the Monitor Output jacks and will be viewable on a TV monitor connected to the SR4001/SR5001.

If a component video input is connected to the DVD or DSS component inputs, it will be routed to the Component Video Output. Make certain that your TV is set to the proper input to view the signal.

VIDEO CONVERT

When this function is activated, the video or S-video signal can be emitted from the video, S-video or component video output terminal.

To activate this function, select VIDEO CONVERT in PREFERENCE menu and set ENABLE.

Notes:
- The component video signal is emitted only from component video output terminal.
- When the video equipment is connected by component terminal, connect the monitor and SR4001/SR5001 by the component terminal.
- This function is unavailable for the REC out terminal.
- This function is unavailable for the still picture, fast forward and reverse playing of the video component.
- If, while attempting to use the video convert feature, the SR4001/SR5001 cannot synchronize with the display device, “NO SIGNAL” appears on the monitor, or noise is generated, this feature cannot be used. All of these signs are caused by equipment incompatibility; there is nothing wrong with the SR4001/SR5001.

In such case, set VIDEO CONVERT in the PREFERENCE menu to DISABLE. Also, connect the video input signal to the display device via the MONITOR OUT terminal under VIDEO and the S-video input signal to the display device via the MONITOR OUT terminal under S-VIDEO.

Example:
- Monitor is connected with the component.

SR5001 only

Monitor is connected with the video or S-video.

SR5001 only

Monitor is connected with the video or component.

SR4001/SR5001

Notes of OSD menu:
- The component video signal is emitted only from component video output terminal.
- When the video equipment is connected by component terminal, connect the monitor and SR4001/SR5001 by the component terminal.
- This function is unavailable for the REC out terminal.
- This function is unavailable for the still picture, fast forward and reverse playing of the video component.
- If, while attempting to use the video convert feature, the SR4001/SR5001 cannot synchronize with the display device, “NO SIGNAL” appears on the monitor, or noise is generated, this feature cannot be used. All of these signs are caused by equipment incompatibility; there is nothing wrong with the SR4001/SR5001.

In such case, set VIDEO CONVERT in the PREFERENCE menu to DISABLE. Also, connect the video input signal to the display device via the MONITOR OUT terminal under VIDEO and the S-video input signal to the display device via the MONITOR OUT terminal under S-VIDEO.

Example:
- Monitor is connected with the component.

SR5001 only

Monitor is connected with the video or S-video.

SR5001 only

Monitor is connected with the video or component.

SR4001/SR5001

The signal cannot be converted from the component to the video or S-video.

Notes of OSD menu:
- The setup menu can be displayed through all video out (COMPONENT, S-VIDEO, VIDEO).
- The setting informations (e.g. volume setting) are displayed through all video out when the VIDEO CONVERT function are set ON.

Note:
- No setting information is displayed when the signal is emitted from the COMPONENT IN to COMPONENT OUT.
- The setting informations (e.g. volume setting) are displayed through the S-VIDEO or VIDEO out when the VIDEO CONVERT function are set DISABLE. When the S-VIDEO and VIDEO outputs are used simultaneously, the setting informations are displayed through the S-VIDEO out only.

Notes of OSD menu:
- HDMI: OSD menu is not displayed.
- VIDEO/S-VIDEO/component: VIDEO CONVERT of HDMI is not possible, thus the OSD menu is not displayed.
SELECTING THE SURROUND MODE

Example: AUTO SURROUND

To select the surround mode during playback, press the SURROUND MODE button on the front panel or the SURROUND MODE buttons on the remote.

ADJUSTING THE MAIN VOLUME

Adjust the volume to a comfortable level using the VOLUME control knob on the front panel or VOLUME ▲ / ▼ buttons on the remote.

To increase the volume, turn the VOLUME knob clockwise or press VOLUME ▲ button on the remote, to decrease the volume, turn counterclockwise or press VOLUME ▼ button on the remote.

Notes:
- The volume can be adjusted within the range of –18 dB to 18 dB, in steps of 1 dB.
- However, when the channel level is set as described on page 27, if the volume for any channel is set at +1 dB or greater, the volume cannot be adjusted up to 18 dB.

In this case the maximum volume adjustment range is “18 dB - Maximum value of channel level.

ADJUSTING THE TONE (BASS & TREBLE) CONTROL

During a listening session you may wish to adjust the Bass and Treble Control to suit your listening tastes or room acoustics.

(Using the remote control unit)

To adjust the bass effect, press BASS ▲ or BASS ▼ on the remote.

To adjust the treble effect, press TREBLE ▲ or TREBLE ▼ on the remote.

Note:
The tone control function can work in the AUTO Surround, Stereo, Dolby PL IIx, DTS, DTS-ES, and Multi Ch. Stereo mode.

TEMPORARILY TURNING OFF THE SOUND

To temporarily silence all speaker outputs such as when interrupted by a phone call, press the MUTE button on the front panel or MUTE button on the remote.

This will interrupt the output to all speakers and the head-phone jack, but it will not affect any recording or dubbing that may be in progress.

When the system is muted, the display will show "MUTE".

Press the MUTE button again to return to normal operation.

USING THE SLEEP TIMER

To program the SR4001/SR5001 for automatic standby, press the SLEEP button on the remote.

Each press of the button will increase the time before shut down in the following sequence.

OFF 10 20 30 40
10 90 80 70 60 50

The sleep time will be shown for a few seconds in the display on the front panel, and it will count down until the time has elapsed.

When the programmed sleep time has elapsed, the unit will automatically turn off.

Note that the SLEEP indicator on the display will illuminate when the Sleep function is programmed.

To cancel the Sleep function, press the SLEEP button until the display shows “SLEEP OFF” and the SLEEP indicator will disappear.

NIGHT MODE

Press the NIGHT button on the remote to turn on the NIGHT mode.

Selecting the Night Mode ON is effective in Dolby Digital only, and it compresses the dynamic range.

This softens loud passages such as sudden explosions, to help prevent disturbing others late at night.

To turn off the Night mode, press the NIGHT button again.
SURROUND MODE

The SR4001/SR5001 is equipped with many surround modes. These are provided to reproduce a variety of surround sound effects, according to the content of the source to be played.

The available surround modes may be restricted depending on the input signal and speaker setup.

AUTO

When this mode is selected, the receiver determines whether the digital input signal is Dolby Digital, Dolby Digital Surround EX, DTS, DTS-ES, DTS 96/24 or PCM-audio.

Surround EX & DTS-ES will operate for multichannel source that has a Dolby Digital Surround EX or DTS-ES auto trigger flag in the digital signal. When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played.

Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro Logic IIX movie processing before play. PCM 96 kHz source can be played in this mode.

Notes:
- When you use this mode with certain DVD and CD players, performing operations such as “Skip” or “Stop” may momentarily interrupt the output.
- When the signal is not decoded, the mode is changed to AUTO mode automatically. Refer to page 35 to confirm the available decoding mode.

DOLBY DIGITAL

This mode is enabled when playing source materials encoded in Dolby Digital.

Playing multichannel encoded 6.1 or 7.1-channel Dolby Digital sources provides five main audio channels (left, center, right, surround left and surround right) and Low Frequency Effect channel. Dolby Digital EX decoding is not available in this mode.

Dolby Pro Logic IIX brings the excitement of surround sound to any stereo mix, while making existing Dolby Surround mixes sound more like discrete 5.1 channels Surround sound.

Notes:
- Pro Logic IIX mode will decode as Pro Logic II when the SURROUND BACK SPEAKER is set to NONE in SPEAKER SETUP menu. (See SPEAKER SETUP page 26)
- Pro Logic IIX mode is available for a 2ch input signal which is encoded in Dolby Digital or PCM format.
- PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz.

CIRCLE SURROUND II

(CSII-CINEMA, CSII-MUSIC, CSII-MONO)

Circle Surround is designed to enable multichannel surround sound playback of non-encoded and multichannel encoded material.

Backward compatibility provides listeners with up to 6.1 channels of surround performance from entire collection of music and film, including broadcast, videotape and stereo recorded music.

Depending on source material, you can select CSII-Cinema mode, CSII-Music mode or CSII-Mono mode.

CSII Cinema mode

This mode is suited for playing back Circle Surround-encoded and non-encoded film and television soundtracks. Cinema Mode enables 6.1-channel surround playback of 2-channel sources such as Video Cassettes, TV broadcasts, streaming media and DVDs.

CSII Music mode

This mode is suited for playing back Circle Surround-encoded and non-encoded music. Music Mode decodes, music DVDs, radio and TV music broadcasts and CDs into enveloping 6.1-channel surround.

Notes:
- Neo6 mode is available to 2ch input signals which are encoded in Dolby Digital or PCM format.
- PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz.

MULTI CH. ST

This mode is used to create a wider, deeper and more natural soundstage from two channel source material. This is done by feeding the left channel signal to both left front and left surround speaker and the right channel signal to both right front and right surround speaker. Additionally, the center channel reproduces a mix of the right and left channel.

CROSSOVER

When this mode is selected, the receiver determines whether the digital input signal is Dolby Digital, Dolby Digital Surround EX, DTS, DTS-ES, DTS 96/24 or PCM-audio.

Surround EX & DTS-ES will operate for multichannel source that has a Dolby Digital Surround EX or DTS-ES auto trigger flag in the digital signal. When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played.

Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro Logic IIX movie processing before play. PCM 96 kHz source can be played in this mode.

Notes:
- When you use this mode with certain DVD and CD players, performing operations such as “Skip” or “Stop” may momentarily interrupt the output.
- When the signal is not decoded, the mode is changed to AUTO mode automatically. Refer to page 35 to confirm the available decoding mode.

AUTO

When this mode is selected, the receiver determines whether the digital input signal is Dolby Digital, Dolby Digital Surround EX, DTS, DTS-ES, DTS 96/24 or PCM-audio.

Surround EX & DTS-ES will operate for multichannel source that has a Dolby Digital Surround EX or DTS-ES auto trigger flag in the digital signal. When a Dolby Digital or DTS signal is input, the number of channels for which the corresponding signal is encoded will be played.

Inputting a Dolby Digital two channel signal with Dolby surround status automatically subjects that signal to Pro Logic IIX movie processing before play. PCM 96 kHz source can be played in this mode.

Notes:
- When you use this mode with certain DVD and CD players, performing operations such as “Skip” or “Stop” may momentarily interrupt the output.
- When the signal is not decoded, the mode is changed to AUTO mode automatically. Refer to page 35 to confirm the available decoding mode.

DOLBY DIGITAL

This mode is enabled when playing source materials encoded in Dolby Digital.

Playing multichannel encoded 6.1 or 7.1-channel Dolby Digital sources provides five main audio channels (left, center, right, surround left and surround right) and Low Frequency Effect channel. Dolby Digital EX decoding is not available in this mode.

Dolby Pro Logic IIX brings the excitement of surround sound to any stereo mix, while making existing Dolby Surround mixes sound more like discrete 5.1 channels Surround sound.

Notes:
- Pro Logic IIX mode will decode as Pro Logic II when the SURROUND BACK SPEAKER is set to NONE in SPEAKER SETUP menu. (See SPEAKER SETUP page 26)
- Pro Logic IIX mode is available for a 2ch input signal which is encoded in Dolby Digital or PCM format.
- PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz.

EX-ES

This mode provides 6.1 channel surround for DOLBY DIGITAL EX, DTS-ES encoded source material such as DVD.

This mode cannot be used when an analog input has been selected.

Dolby Digital EX

In a movie theater, film soundtracks that have been encoded with Dolby Digital surround EX technology are able to reproduce an extra channel which has been added during the mixing of the program.

This channel, called Surround Back, places sounds behind the listener in addition to the currently available front left, front center, front right, surround right, surround left and subwoofer channels.

This additional channel provides the opportunity for more detailed imaging behind the listener and brings more depth, spacious ambience and sound localization than ever before.

Dolby Digital EX is not available in the system without surround back speaker(s).

Notes:
- Neo6:6 mode is available to 2ch input signals which are encoded in Dolby Digital or PCM format.
- PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz.
CSII-Mono mode
This mode plays back monaural recordings from any source, including CDs, DVDs and TV and radio broadcasts in compelling 6.1-channel surround.

Notes:
- CS II mode is available for 2ch input signals which are encoded in Dolby Digital or PCM format.
- PCM-audio signals can be subjected to Pro Logic processing when the sampling frequency is 32 kHz, 44.1 kHz or 48 kHz.

VIRTUAL
This mode creates a virtualized surround sound experience from a two-speaker (front L and R) playback system playing any multichannel audio source (such as found on DVDs and digital broadcasts), including Dolby Digital, Dolby Pro Logic or DTS.

STEREO
This mode bypasses all surround processing. In stereo program sources, the left and right channels play normally when PCM-audio or analog stereo is input. With Dolby Digital and DTS sources, the 5.1 multichannels are converted to two channel stereo. 96 kHz PCM source material can be played back in stereo mode.

SOURCE DIRECT
In the Source Direct mode, the tone control circuit and bass management configuration are bypassed for full-range frequency response and the purist audio reproduction.

Notes:
- Speaker size is set to Front L/R = LARGE, Center = LARGE, Surround L/R = LARGE and Subwoofer = YES automatically. Tone controls, equalizer and additional processing are deactivated.
- When you use this mode with certain DVD and CD players, performing operations such as skip or stop may momentarily interrupt the output.

PURE DIRECT
The Pure Direct mode further reduces sources of noise in addition to effect of the Source Direct mode, by blocking output from the video jacks (VIDEO, S-VIDEO, COMPONENT VIDEO and HDMI) and turning the FL display off.

CAUTION
NOTE for DTS signal
- Connected DVD-player, laser-disc player or CD-player needs to support DTS-digital output. You may not be able to play some DTS source signals from certain CD players and LD players even if you connect the player to the SR4001/ SR5001 digitally. This is because the digital signal has been processed (such as the output level, sampling frequency, or frequency response) and the SR4001/SR5001 cannot recognize the signal as DTS data.
- Depending on the player used, DTS play may produce a short noise. This is not a malfunction.
- While signals from DTS-laser disc or CD are playing in another Surround mode, you cannot switch to digital input or from digital input to analog input by INPUT SETUP in SETUP MAIN MENU or the A/D button.
- The outputs for the VCR 1 OUT, DSS/VCR 2 OUT, TAPE OUT, and CD-R OUT output analog audio signals. Do not record from CDs or LDs that support DTS using these outputs. If you do, the DTS-encoded signal will be recorded as noise.

NOTE for Dolby Digital Surround EX signal
- When playing Dolby Digital Surround EX-encoded software in 6.1 channels, it is required to set the EX/ES mode.
- Note that some of Dolby Digital Surround EX-encoded software does not contain the identification signal. In this case, set the EX/ES mode manually.

NOTE for 96kHz PCM audio
- AUTO, PURE-DIRECT, and STEREO modes can be used when playing PCM signals with a sampling frequency of 96 kHz (such as from DVD-Video discs that contain 24 bit, 96 kHz audio). If such signals are input during playback in one of the other surround modes, output from SR4001/ SR5001 will be muted.
- Certain DVD player models inhibit digital output. For details, refer to the player’s operation manual.
- Some DVD formatted discs feature copy protection. When using such disc, 96 kHz PCM signal is not output from the DVD player. For details, refer to the player’s operation manual.

NOTE for HDCD signal
- HDCD is effective only at the time of digital input.
- AUTO, PURE DIRECT, and STEREO modes can be used when playing HDCD signals (such as from CD discs that contain HDCD).

* You may not be able to play some HDCD source signals from certain CD players if you connect the player to the SR4001/SR5001 digitally. This is because the digital signal has been processed (such as the output level, sampling frequency, or frequency response) and the SR4001/SR5001 cannot recognize the signal as HDCD data.
### The relation between the selected surround mode and the input signal

The surround mode is selected with the surround mode selector on SR4001/SR5001 or the remote control unit. However, the sound you hear is subject to the relationship between the selected surround mode and input signal. That relationship is as follows:

#### Notes:
- Dolby Digital (2 ch: L/R): signal with Dolby Surround flag Speakers are full set.
- No sound outputs from the surround speaker, center speaker and subwoofer if the DVD disc has no surround data.

<table>
<thead>
<tr>
<th>Surround Mode</th>
<th>Input Signal</th>
<th>Decoding</th>
<th>Output Channel</th>
<th>Signal format indicators</th>
<th>Front information display</th>
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</table>

**Abbreviations**
- L/R : Front speakers
- C : Center speaker
- SL/SR : Surround speakers
- SBL/SBR : Surround Back speakers
- SubW : Sub woofer speaker
**OTHER FUNCTION**

**TV AUTO ON/OFF FUNCTION**

This function allows the component connected to the TV-VIDEO in jack to control the power (ON/OFF) to the SR4001/SR5001.

**AUTO POWER ON**

1. Be sure the TV auto mode is ENABLED. (Refer page 27 : System Setup)
2. Connect your TV TUNER (etc) to the TV-VIDEO in terminal. Be sure to connect the video input.
3. Turn OFF the power to the TV TUNER and the SR4001/SR5001.
4. Turn ON the TV TUNER and tune in a receivable station.
5. When the station is received, the SR4001/SR5001 turns ON and TV is selected automatically.

**AUTO POWER OFF**

1. In the above situation, turn the TV TUNER OFF or select a channel that does not contain any broadcast.
2. The power to the SR4001/SR5001 switches to STANDBY after approx. 5 minutes.

**Notes:**
- AUTO POWER OFF is canceled if the SR4001/SR5001 is set to a source other than TV. The function reactivates when TV is selected again.
- Some TV broadcasts may cause the TV AUTO FUNCTION to turn ON.
- The S-Video terminal does not support “TV AUTO ON/OFF” function.

**ATTENUATION TO ANALOG INPUT SIGNAL**

If the selected analog audio input signal is greater than the capable level of internal processing, the “PEAK” indicator will light up on the front display. If this happens, you should press the ATT button on the remote. “ATT” indicator will be illuminated when this function is activated. The signal-input level is reduced by about half. Attenuation will not work with the output signal of TAPE-OUT, CD-R/MD-OUT, VCR1-OUT and DSS/VCR2-OUT. This function is memorized for each individual input source.

**LISTENING THROUGH HEADPHONES**

This jack may be used to listen to the SR4001/SR5001’s output through a pair of headphones. Be certain that the headphones have a standard 1/4” stereo phono plug. (Note that the speakers will automatically be turned off when the headphone jack is in use.)

**DOLBY HEADPHONE MODE**

This feature simulates the waveforms of the actual sounds heard from the speakers. When headphones are used, the MENU button automatically switches to the Dolby headphone mode.

The OSD that appears when the MENU button is pressed is shown below.

![Dolby Headphone Mode](image)

**DOLBY HP (Headphone) MODE** can be selected with the left and right cursor buttons.

**BYPASS**
- Bypasses the Dolby headphone mode
- ON: Dolby headphone mode active.

When the PURE DIRECT mode is selected, Dolby surround processing is bypassed and “***” is displayed as the mode indication.

The surround mode can be selected when mode is ON.

**L/R LEVEL** can be set in the ±10 dB range.

**Notes:**
- The surround mode returns to the previous setting as soon as the plug is removed from the jack.
- TONE cannot be set when mode is ON.
- The Dolby Headphone function will not work when 32 or 96 kHz PCM digital signals are input.

**VIDEO ON/OFF**

When no video signal is connected to the SR4001/SR5001 or a DVD, etc., is connected directly to your TV, the unnecessary video circuit can be turned off by selecting the “VIDEO OFF” setting.

To select video off, press the AMP button and press the V-OFF button.

**DISPLAY MODE**

You can select the display mode for the front display of the SR4001/SR5001.

To select this mode, press the DISPLAY on the remote control.

When this button is pressed, the display mode is switched in the following sequence.

- Surround Mode → Auto-display Off → Display Off → Input Function → Surround Mode...

In Auto display off mode, the display is off. But, if you make a change to the unit such as input or surround mode, the display will show that change, then go back to off after about 3 seconds. When changing the volume, it is not displayed.

In Display off mode, the display is off completely.

**Note:**
- Only the DISP indicator will be illuminated on the front display in display off condition.
SELECTING ANALOG AUDIO INPUT OR DIGITAL AUDIO INPUT

If you have already assigned the digital inputs, you can temporarily select the audio input mode for each input source as follows procedures.
Press the AMP button and press the A/D (0) button. When this button is pressed, the input mode is switched in the following sequence.
→ HDMI Auto → HDMI → Digital Auto → Digital → Analog → HDMI Auto....

In HDMI Auto mode, the types of signals being input to the digital and analog input jacks for the selected input source are detected automatically.
If no digital signal is being input, the analog input jacks are selected automatically.
In Digital and HDMI mode, input is fixed to an assigned digital input terminal.
In analog mode, the analog input jacks are selected.
This selecting is temporary, so the result will not be stored in memory.
If you need to change the input mode completely, use INPUT SETUP in OSD menu system. (see page 26)

RECORDING AN ANALOG SOURCE

In normal operation, the audio or video source selected for listening through the SR4001/SR5001 is sent to the record outputs.
This means that any program you are watching or listening to may be recorded simply by placing machines connected to the outputs for TAPE OUT, CD-R/MD OUT, VCR1 OUT in the record mode.

To record the input source signal you are currently watching or listening to

1. Select the input source to record by turning the INPUT SOURCE knob on the front panel or simply press the input selector buttons on the remote.
The input source is now selected and you may watch or listen to it as desired.
2. The currently selected input source signal is output to the TAPE OUT, CD-R/MD OUT, VCR1 OUT outputs for recording.
3. Start recording to the recording component as desired.

Notes:
• If you change the input source during recording, you will record the signals from the newly selected input source.
• You cannot record the surround effects.
• Digital input signals are only output to the digital outputs. There is no conversion from digital to analog.
When connecting CD players and other digital components, do not connect only the digital terminals, but the analog ones as well.

Recording the video from one source and the audio from another
You can add the sound from one source to the video of another source to make your own video recordings.
Below is an example of recording the sound from a compact disc player connected to CD IN and the video from a video camera connected to DSS/VCR2 to video cassette recorder connected to the VCR1 OUT jack.

1. When you have assigned the analog input signals to the digital and analog input jacks for the selected input source.
2. switch the video output source to VCR1 by simply pressing the input selector buttons on the remote.
3. Switch the audio input source to CD by simply pressing the input selector buttons on the remote.
4. Now “CD” has been selected as the audio input source and “VCR1” as the video input source.

Notes:
• When the video output source is assigned to VCR1, any signal connected to the VCR1 OUT terminal is output simultaneously.

Press the HT-EQ button on the front panel to turn on the HT-EQ mode.
The tonal balance of a film soundtrack will be excessively bright and harsh when played back over audio equipment in the home. This is because film soundtracks were designed to be played back in large movie theater environments.
Activating the HT-EQ feature when watching a film made for movie theaters corrects this and restores the correct tonal balance.
The HT-EQ feature is available except in the following modes.
• 7.1 CH INPUT
• PURE-DIRECT
• When VIRTUAL is set for the surround mode
1. Select a desired Video source to decide the routed video signal to the Monitor Outputs.

2. Press the 7.1 CH INPUT button on the front panel or press 7.1 CH IN on the remote to switch the 7.1 channel input.

3. If it is necessary to adjust the output level of each channel, press the CH.SEL button on the remote.

Adjust the speaker output levels so that you can hear the same sound level from each speaker at the listening position. For the front left, front right, center, surround left, surround right and surround back speakers, the output levels can be adjusted between –10 to +10 dB.

The subwoofer can be adjusted between –15 and +10 dB.

These adjustments result will be stored to 7.1 CH. INPUT memory.

4. Adjust the main volume with the MAIN VOLUME knob or the VOLUME buttons on the remote.

To cancel the 7.1 CH. INPUT setting, press the 7.1 CH INPUT button on the front panel or press 7.1 CH IN on the remote.

Notes:
- When the 7.1 CH. Input is in use, you may not select a surround mode, as the external decoder determines processing.
- In addition, there is no signal at the record outputs when the 7.1 CH. Input is in use.

**AUX2 INPUT**

If you don’t need to connect 7.1 Ch. input terminals with multi channel decoder, L(front left) and R (front right) inputs terminals are available as AUX2 input. In this case, You can connect additional audio source to AUX2 as other audio input terminals.

**BASIC OPERATION**

**(TUNER)**

**LISTENING TO THE TUNER**

Frequency scan step for AM is selectable. Default setup is 9 kHz step, if your country’s standard is 10 kHz step. Press BAND button on the remote more than 6 seconds. Scan step will change.

Note:
- Preset memory for the tuner will clear by changing this setup.

**AUTO TUNING**

When the 7.1 CH. Input is in use, you may not select tuner and desired band (FM or AM), press the BAND button on the front panel.

(Using the SR5001)

1. To select tuner and desired band (FM or AM), press the BAND button on the front panel.
2. Press the ● or ▲ cursor buttons on the front panel to select the desired station.

(Using the remote control unit)

1. To select tuner and desired band (FM or AM), press the BAND button on the remote.
2. Press the ● or ▲ on the remote to tune in the desired station.

**DIRECT FREQUENCY CALL**

(Using the SR5001)

1. To select tuner and desired band (FM or AM), press the BAND button on the front panel.
2. Press the ● or ▲ cursor buttons on the front panel for more than 1 second to start the auto tuning function.
3. Automatic searching begins then stops when a station is tuned in.

(Using the remote control unit)

1. To select tuner and desired band (FM or AM), press the BAND button on the remote.
2. Press the ● or ▲ for more than 1 second on the remote.
3. 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.

**LIP.SYNC (SR5001 only)**

Depending on the image device (TV, monitor, projector, etc.) connected to the SR5001, a time lag can occur between image signal processing and audio signal processing. Though minor, this time lag can interfere with movie and music enjoyment. The LIP.SYNC feature delays the audio signal with respect to the image signal output from the SR5001 to correct the time lag between the sound and image. It can be operated with the “LIP.SYNC” and ● and ▲ cursor buttons of the remote controller. Set the remote controller to the AMP mode before operating the LIP.SYNC feature. The initial setting is OFF (0 ms). The time lag can be adjusted in 10 ms steps up to 200 ms.

Watch the picture on the image device (i.e., TV, monitor, projector, etc.) as you adjust the time lag.

Note:
- The LIP.SYNCS feature turns OFF (0 ms) in the PURE DIRECT mode. When the PURE DIRECT mode is deactivated, the set value of the LIP.SYNC feature is automatically restored.

**MANUAL TUNING**

1. To select tuner and desired band (FM or AM), press the BAND button on the remote.
2. Press the ● or ▲ or the “LIP.SYNC” and ● and ▲ cursor buttons on the remote.
3. Input your desired station’s frequency with the numeric buttons on the remote.
4. The desired station will automatically be tuned.

**Note:**

Press the ● or ▲ or the “LIP.SYNC” and ● and ▲ cursor buttons on the remote, display will change to “FREQ - - - -”.

The LIP.SYNC function is activated by the “LIP.SYNC” and ● and ▲ cursor buttons on the remote.

When the LIP.SYNC function is activated, the remote controller will display the time lag between the sound and image.

If the time lag is OFF (0 ms), the display will change to “FREQ - - - -”.

If the time lag of the LIP.SYNC feature is changed, press the ● or ▲ or the “LIP.SYNC” and ● and ▲ cursor buttons on the remote to change the time lag.

If the LIP.SYNC function is deactivated, the display will change to “FREQ - - - -”.
**PRESET MEMORY**

With this unit you can preset up to 50 FM/AM stations in any order. For each station, you can memorize the frequency and reception mode if desired.

**AUTO PRESET MEMORY**

This function automatically scans the FM and AM band and enters all stations with proper signal strength into the memory.

1. To select FM, press the BAND button on the front panel.
2. While pressing the MEMO button, press the cursor button. “AUTO PRESET” will appear on the display, and scanning starts from the lowest frequency.
3. Each time the tuner finds a station, scanning will pause and the station will be played for five seconds. During this time, the following operations are possible.
   - The band can be changed by the BAND button.
   - If no button is pressed during this period, the current station is memorized in location Preset 02.
4. If you wish to skip the current station, press the cursor button during this period, this station is skipped and auto presetting continues.
5. Operation stops automatically when all 50 preset memory positions are filled or when auto scanning attains the highest end of all bands. If you desire to stop the auto preset memory at anytime, press the CLEAR button.

(Using the SR5001)

1. Tune into the radio station you desire (Refer to the “MANUAL TUNING” or “AUTO TUNING” section).
2. Press the MEMO button on the front panel. “– –” (preset number) starts blinking on the display.
3. Select the preset number by pressing the or cursor buttons, while this is still blinking (approx. 5 seconds)
4. Press the MEMO button again to enter. The display stops blinking. The station is now stored in the specified preset memory location.

(Using the remote control unit)

1. Tune into the radio station you desire (Refer to the “MANUAL TUNING” or “AUTO TUNING” section).
2. Press the MEMO button on the remote. “– –” (preset number) starts blinking on the display.
3. Enter the desired preset number by pressing the numeric buttons.

**RECALLING A PRESET STATION**

1. Select the desired preset station by pressing the or cursor buttons on the front panel.

(Using the remote control unit)

1. Press the buttons to select the desired preset station, or input your desired preset channel with the numeric buttons on the remote.

**PRESET SCAN**

1. Press the P.SCAN on the remote.

“PRESET SCAN” appears on the display and then the preset station with the lowest preset number is recalled first.

2. Preset stations are recalled in sequence (No.1 → No.2 → etc.) for 5 seconds each.

No stored preset number will be skipped.

3. You can fast forward the preset stations by pressing the continuously. When the desired preset station is received, cancel the preset scan operation by pressing the CLEAR button or P.SCAN on the remote.

**MANUAL PRESET MEMORY**

1. When entering a single digit number (2 for example), either input “02” or just input “2” and wait for a few seconds.

2. If no button is pressed during this period, the current station is memorized in location Preset 02.

3. No stored preset number will be skipped.

4. If you desire to stop the auto preset memory at anytime, press the CLEAR button.
CLEARING STORED PRESET STATIONS

You can remove preset stations from the memory using the following procedure.

1. Recall the preset number to be cleared with the method described in “Recalling” a preset station.
2. Press the MEMO button on the front panel or press the MEMO button on the remote.
3. The stored preset number blinks in the display for 5 seconds. While blinking, press the CLEAR button on the front panel or the remote.
4. “xx CLEAR” appears on the display to indicate that the specified preset number has been cleared.

Note:
To clear all stored preset stations, press and hold the CLEAR and the ENTER buttons for two seconds.

SORTING PRESET STATIONS

If you have stations memorized, and there is a gap in the sequential order:
I.e. the stations are stored as follows
1) 87.1 MHz
2) 93.1 MHz
3) 94.7 MHz
10) 105.9 MHz

(notice there is no stations programmed for pre sets for 4-9), you can have pre set 10 become pre set 5.

To sort the numbers, press and hold the MEMO and the cursor buttons.
“PRESET SORT” will appear on the display and sorting will be done.

NAME INPUT OF THE PRESET STATION

This function allows the name of each preset channel to be entered using alphanumerics.

Before name inputting, you need to store preset number to be inputted name.

To sort the numbers, press and hold the cursor buttons for two seconds.

After selecting the first character to be entered, press the MEMO or ENTER buttons, press the MEMO button on the remote.

The entry in this column is fixed and the next column starts to flash. Fill the next column the same way.

To move back and forth between the characters, press the < / > cursor buttons or press < < or > > buttons on the remote.

Note:
Unused columns should be filled by entering blanks.

To save the name, press the MEMO button on the front panel or remote for more than 2 seconds.

<table>
<thead>
<tr>
<th>Ten keypad</th>
<th>Press, press again, press again, etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A → B → C → 1 → A</td>
</tr>
<tr>
<td>2</td>
<td>D → E → F → 2 → D</td>
</tr>
<tr>
<td>3</td>
<td>G → H → I → 3 → G</td>
</tr>
<tr>
<td>4</td>
<td>J → K → L → 4 → J</td>
</tr>
<tr>
<td>5</td>
<td>M → N → O → 5 → M</td>
</tr>
<tr>
<td>6</td>
<td>P → Q → R → 6 → P</td>
</tr>
<tr>
<td>7</td>
<td>S → T → U → 7 → S</td>
</tr>
<tr>
<td>8</td>
<td>V → W → X → 8 → V</td>
</tr>
<tr>
<td>9</td>
<td>Y → Z → space → 9 → Y</td>
</tr>
<tr>
<td>0</td>
<td>← → ← → ← → / ← / ← / 0</td>
</tr>
</tbody>
</table>
LISTENING TO XM SATELLITE RADIO

SELECTING AN INPUT SOURCE

Before you can listen to XM Satellite Radio, you must first select the input source on the SR5001.

1. Turn the INPUT SELECTOR knob to select “TUNER”.
2. Press the BAND button to select XM band.

(Using the remote control unit)

1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.

CHECKING THE XM SIGNAL STRENGTH AND RADIO ID

1. Press the T.DISP button 3 times to displayed Signal Status.

   SIGNAL: ■■■■■■
   SIGNAL: STRONG
   (Signal strength is good)

   SIGNAL: ■■■■■
   SIGNAL: MARGINAL
   (Signal strength is Marginal)

   SIGNAL: ■■
   SIGNAL: WEAK
   (Signal strength is poor)

XM NO SIGNAL
   SIGNAL: NON
   (Loss of the signal)

2. Adjust the antenna location until signal strength is good.

3. Select channel 0 (XM000) with the ▲ or ▼ cursor buttons of the SR5001 or the ◄ or ► buttons of the remote control unit.

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

   SIGNAL: ■■■■■■
   SIGNAL: STRONG
   (Signal strength is good)

   SIGNAL: ■■■■
   SIGNAL: MARGINAL
   (Signal strength is Marginal)

   SIGNAL: ■■
   SIGNAL: WEAK
   (Signal strength is poor)

XM NO SIGNAL
   SIGNAL: NON
   (Loss of the signal)

Notes:

• If “ANTENNA” appears in the front panel display, the XM Connect-and-Play antenna or Passport system may not be connected to the XM terminal on the rear panel of this unit properly.
• The ATT function is also effective when XM is selected.

SWITCHING XM INFORMATION IN THE FRONT PANEL DISPLAY

You can display XM information (such as artist name/song title, category or signal status) for the channel currently selected in the front panel display.

1. Press the T.DISP button to displayed INFORMATION.

   Channel number/name
   Artist name/Song title
   Channel category
   Signal Status

When the Channel number/name is displayed:

   XM 0 4 0 : D e e p T r c

(If text is more than 13 characters long, the text is scrolled.)

Note:

The front Panel display can indicate up to 13 alphanumeric characters at once. If the information contains more then 13 characters, the information scrolls from right to left.
When the channel Artist name/Song title is displayed:

```
NAME/TITLE
Pink Floyd/
Floyd/Money
```

The "NAME/TITLE" is displayed for 2 seconds, followed by the artist’s name and song title. (If artist’s name or song title is more than 13 characters long, the text is scrolled.)

**Note:**

The front Panel display can indicate up to 13 alphanumeric characters at once. If the information contains more than 13 characters, the information scrolls from right to left.

When the channel category is displayed:

```
CAT: Rock
```

**Note:**

To change the display content from XM information to SR5001 functions, do so with the DISPLAY button.

This XM information can also be displayed on a TV monitor connected to the SR5001.

2. When you press the INFO button, the following information will be displayed.

```
VIDEO: DVD
AUDIO: XM
Surr-mode: AUTO
Multichannel: ON
Multispkr: OFF
Main Volume
```

3. When this display appears, press the INFO button again. XM information like the following will appear.

```
XM INFORMATION
XM: 040
CHAN: Deeptracks
NAME: Pink Floyd
TITLE: Money
CAT: Rock
SIGNAL: MARGINAL
```

4. Press the INFO button again. The information display will go out.

**Note:**

If the information contains a character that cannot be recognized by that unit, the character will be displayed with " " (space).

---

**SEARCH MODE**

You can search for the channel you want to listen to using one of three search modes. You can also enter the number directly to select the desired channel.

**ALL CHANNEL SEARCH MODE**

(Using the SR5001)

1. Turn the INPUT SELECTOR knob to select "TUNER".
2. Press the BAND button to select XM band.
3. Press the ▼ or ▲ cursor button on the front panel to select the desired channel.

(Using the remote control unit)

1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.
3. Press the ▼ or ▲ button to tune in the desired preset station.

Or enter the preset station number with the numeric buttons.

---

**PRESET SEARCH MODE**

(Using the SR5001)

1. Turn the INPUT SELECTOR knob to select "TUNER".
2. Press the BAND button to select XM band.
3. Press the preset station.

(Using the remote control unit)

1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.
3. Press the preset station number with the numeric buttons.
**CATEGORY SEARCH MODE**

You can select the desired channel from the category allocated to each channel. Category being aired can be only selected.

1. Turn the INPUT SELECTOR knob to select “TUNER”.
2. Press the BAND button to select XM band.
3. Press the ENTER button on the front panel.
4. Press the ▼ or ▲ button on the front panel to select the desired Category.
5. After selecting the Category, Press the ▲ or ▼ cursor button to select the desired station of the category.
6. You can return to the normal mode by press the ENTER button during Category Search Mode.

**CHANNEL DIRECT CALL**

You can select the desired channel by directly tapping the numeric keypads on the remote control unit.

1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.
3. Press the TUNER button twice within two seconds on the remote.
4. Press the MULTI/CAT button.
5. Press the CAT ▲ or CAT ▼ button.
6. After selecting the category, Press the ▼ or ▲ button to select the desired station of the category.

**Using the SR5001**

1. Press the MULTI/CAT button during Category Search Mode.
2. Category search automatically ends 5 minutes after the last operation.

**Using the remote control unit**

1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.
3. Press the TUNER button twice within two seconds on the remote.
4. Press the MULTI/CAT button.
5. Press the CAT ▲ or CAT ▼ button.
6. After selecting the category, Press the ▼ or ▲ button to select the desired station of the category.

**Notes:**

- “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.
- “OFF AIR” is displayed while air is suspended (e.g. midnight).
PRESET MEMORY

You can store the desired channel in the Preset Memory.
In addition to AM and FM, it is possible to preset 50 XM channels.

(Using the remote control unit)
1. Tune into the desired channel.
2. Press the MEMORY button on the front panel.
   “- -” (preset number) starts blinking on the display.

3. Select the preset number by pressing the $\uparrow$ or $\downarrow$ cursor buttons, While this is still blinking (approx. 5 seconds)

4. Press the MEMORY button again to enter.
   The display stops blinking.
   The station is now stored in the specified preset memory location.

(Using the remote control unit)
1. Tune into the desired channel.
2. Press the MEMO button on the remote. “- -” (preset number) starts blinking on the display.
3. Enter the desired preset number by pressing the numeric buttons.

Note:
When entering a single digit number (2 for example), either input “02” or just input “2” and wait for a few seconds.

CHECKING THE XM PRESET CHANNEL

The preset channel can be checked on the on screen display.

(Using the remote control unit)
1. To select tuner, Press the TUNER button twice within two seconds on the remote.
2. Press the BAND button to select XM band.
3. Press the TUNER button twice within two seconds on the remote.
4. Press the INFO button, to view a list of tuner preset channel on the on screen display.
5. If there are 10 or more preset channel, Press the MEMO button again.

Note:
XM PRESET LIST

<table>
<thead>
<tr>
<th>NO.</th>
<th>XM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>020</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>021</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>022</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>023</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>024</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>025</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>026</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>027</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>028</td>
<td></td>
</tr>
</tbody>
</table>

PRESET SCAN

1. Press the TUNER button twice within two seconds on the remote.
2. Press the P.SCAN.
3. Pressing the T.MODE button during prescanning speeds up scanning.
4. Also, pressing the $\uparrow$ button returns to the previous preset station.
5. The preset channel indication disappears in about 5 seconds.

Notes:
- When the desired preset station is received, cancel the preset scan operation by pressing the P.SCAN button.

CLEARING STORED PRESET STATIONS

You can remove preset stations from the memory using the following procedure.

1. Recall the preset number to be cleared with the method described in “PRESET SEARCH MODE”.
2. Press the MEMORY button on the front panel or Press the MEMO button on the remote.
3. The stored preset number blinks in the display for 5 seconds. While blinking, Press the CLEAR button on the front panel or the remote CL button.
4. “xx CLEAR” appears on the display to indicate that the specified preset number has been cleared.

Notes:
- To clear all stored preset stations, press and hold the CLEAR (CL) and the ENTER buttons for two seconds.
- There are 50 preset channels prepared at the factory default. The 50 channels are all set to “CHANNEL 001”. Each channel can be stored in the preset memory. You can search for only the preset channels.
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 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.

<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>“ANTENNA” is displayed.</td>
<td>XM terminal and the XM Connect-and-Play antenna is not properly connected.</td>
<td>Check that the connection are correct.</td>
</tr>
<tr>
<td>“NO SIGNAL” is displayed.</td>
<td>The signal cannot be received.</td>
<td>Reposition your XM Connect-and-Play antenna.</td>
</tr>
<tr>
<td>Receiving only XM channels 0 and 1.</td>
<td>The XM Tuner is not activated.</td>
<td>Contact XM Radio.</td>
</tr>
</tbody>
</table>
The Multi Room system is a function which allows you to listen to the same or a different source in a room other than the room in which the SR5001 is located.

To use this function, a multi room remote unit and remote control signal receiver available from your Marantz dealer are necessary.

The operations possible with the multi room function are explained briefly below.

For details, refer to the instruction manual supplied with the multi room remote control unit and receiver.

When the outputs of the MULTI OUT terminals are wired and connected to amplifiers installed in other rooms or M (MULTI) SPEAKER B terminals are wired and connected to L&R speakers in other room, different sources can be played in rooms other than the main room in which this unit and the playback devices are installed.

SR5001 has some feature to MULTI ROOM SYSTEM as source selector, sleep timer, Multi Room Speaker output and remote control.

**MULTI ROOM PLAYBACK USING THE MULTI ROOM OUT TERMINALS**

The SR5001 is equipped with audio pre-out terminals for which the volume is adjustable as the MULTI output terminals.

A separately sold stereo power amplifier can be connected to enjoy multi room playback.

The MULTI OUT system can not be operated with the supplied remote controller.

1. Press the MULTI button. The unit enters multi room mode and the display indicates “SELCT SOURCE” and flashes the “MULTI” indicator for approx. 10 seconds.
2. In this time, you can select the input source by turning the input selector knob.
   Then, the display indicates “MULTI VOLUME” “MULTI VOL. xx” for approx. 5 seconds.
3. During this time, you can set the volume level in the multi room as desired.
   This will only set the volume in the second room.

**MULTI ROOM PLAYBACK USING THE MULTI SPEAKER TERMINALS**

The SR5001 allows you to connect another set of speakers and place them in a different room or separated area for listening to music.

The MULTI ROOM SPEAKER system can not be operated with the supplied remote controller.

1. Press the MULTI SPEAKER button. The unit enters multi room speaker mode and the display indicates “SELCT SOURCE” and flashes the “MULTI” indicators for approx. 10 seconds.
2. In this time, you can select the input source by turning the input selector knob.
3. Then, the display indicates “MSPKR VOLUME” “MSPKR VOL.–18” for approx. 5 seconds.
   During this time, you can set the volume level in the multi room as desired.
   This will only set the volume in the multi room.

**Notes for MULTI ROOM SPEAKER**

- MULTI ROOM SPEAKER On/ Off is available in main room only.
- MULTI ROOM SPEAKER output terminals can be used when the SURROUND BACK SPEAKER is set NONE in SPEAKER SETUP menu. (See SPEAKER SETUP, page 26)
- “The Surr. Back Speakers are in use” is displayed by pressing the MULTI SPEAKER button when the SURROUND BACK SPEAKER is set except NONE in SPEAKER SETUP menu. (See SPEAKER SETUP, page 26)
- Multi room operations cannot be performed from the remote controller.
SURROUND SPEAKER B SYSTEM
(SR4001 only)

The Surround Speaker B system is a function which allows you to listen to the same source in a room other than the room in which the SR4001 is located. The operations possible with the Surround speaker function are explained briefly below.

ANOTHER ROOM PLAYBACK USING THE S (SURROUND) SPEAKER B TERMINALS

The SR4001 allows you to connect another set of speakers and place them in another room or separated area for listening to music. The SURROUND SPEAKER B system can not be operated with the supplied remote controller.

1. Press the S (Surround) SPEAKER B button.
   The unit enters surround speaker B mode and the “SPKR B” will appear on the display.

2. The volume of S. SPEAKER B is interlocked with the main volume.

Notes for SURROUND SPEAKER B

- SURROUND SPEAKER B On/ Off is available in main room only.
- SURROUND SPEAKER B output terminals can be used when the SURROUND BACK SPEAKER is set NONE in SPEAKER SETUP menu. (See SPEAKER SETUP, page 26)
- “The Surr. Back Speakers are in use” is displayed by pressing the S. SPEAKER B button when the SURROUND BACK SPEAKER is set except NONE in SPEAKER SETUP menu. (See SPEAKER SETUP, page 26)
- Surround Speaker B function is unavailable, while the unit is 7.1 CH input mode.
**TROUBLESHOOTING**

In case of trouble, check the following before calling for service:

1. Are the connections made properly?
2. Are you operating the unit properly following the user’s guide?
3. Are the power amplifiers and speaker working properly?

If the unit does not operate properly, check items shown in the following table. If your trouble cannot be recovered with the remedy actions listed in the following table, malfunction of the internal circuitry is suspected; immediately unplug the power cable and contact your dealer, nearest Marantz authorized dealer or the Marantz Service Center in your country.

### SYMPTOM | CAUSE | REMEDY
---|---|---
SR4001/SR5001 cannot be turned up. | The power plug is not connected. | Connect the power plug to the outlet.
No sound and picture are output even when power is on. | Mute is on. | Cancel mute using the remote control unit.
No speaker output. | The input cable is not connected correctly. | See the connection diagram and connect the cables correctly.
No speaker output. | The master volume control is turned all the way down. | Adjust the master volume.
No speaker output. | The SOURCE position is wrong. | Select correct position.
Incorrect Audio or Video for selected source. | Input cable connected incorrectly. | Connect the cable correctly by referring to the connection diagram.
Incorrect Audio from a channel. | Speaker cable connected incorrectly. | Connect the cable correctly by referring to the connection diagram.
No Audio output from the center channel speaker. | The center speaker cable connection is incomplete. | Connect the cable correctly.
No Audio output from the surround speakers. | The surround speaker cable connection is incomplete. | Connect the cable correctly.
No Audio output from the surround back speakers. | The surround back speaker cable connection is incomplete. | Connect the cable correctly.

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**SYMPTOM** | **CAUSE** | **REMEDY**
---|---|---
Can not select EX/ES mode. | Surround center = NONE has been selected in SPEAKERS SIZE SETUP | Make the correct setting.
Can not select Pro Logic IIx mode. | Input signal is incompatible. | Use 5.1 channel source.
Can not select Neo:6 mode. | Input signal is incompatible. | Use 2 channel Dolby Digital input signal, PCM input signal or analog input signal.
Can not select CSIII mode. | Input signal is incompatible. | Use 2 channel Dolby Digital input signal, PCM input signal or analog input signal.
No output to Sub Woofer Out. | Sub-woofer = NONE has been selected in SETUP mode | Select Sub-woofer = YES.
Noise is produced during DTS-encoded CD or laser disc play. | Analog has been selected for input. | Be sure to perform digital connection, select digital input, then play.
A specific channel does not produce output. | Nothing recorded on source. | Check the encoded channel on the source side.
FM or AM reception fails. | Antenna connection is incomplete. | Correctly connect the indoor FM and AM antennas to FM and AM antenna outlets.
Noise is heard during AM reception. | Reception is affected by other electrical fields. | Try changing location where the AM indoor antenna is set up.
Noise is heard during FM reception. | The radio waves from the broadcasting station are weak. | Install an FM outdoor antenna.
Cannot get programmed station when the PRESET button is pressed. | Preset data has been erased. | Disconnecting power plug for long periods of time will erase preset data. If that happens, input the preset data again.
Control with the remote control unit fails. | Batteries are consumed. | Replace all the batteries with new ones.

---

**Note:**

After “PROTECT” appears on the unit’s display, the standby indicator may start flashing. If it does, there is a problem in the unit or the connection. If this problem reoccurs even when power is activated from the remote control unit, call for servicing.
GENERAL MALFUNCTION
If the equipment malfunctions, this may be because an electrostatic discharge or AC line interference has corrupted the information in the equipment memory circuits. Therefore:
- disconnect the plug from the AC line supply
- after waiting at least three minutes, reconnect the plug to the AC line supply
- re-attempt to operate the equipment

Memory backup
- In case a power outage occurs or the power cord is accidentally unplugged, the SR4001/ SR5001 is equipped with a backup function to prevent memory data such as the preset memory from being erased.

HOW TO RESET THE UNIT

Should the operation or display seem to be abnormal, reset the unit with the following procedure.
To turn on the SR4001, press and hold the "7.1CH INPUT" and "ATT" buttons simultaneously for 3 seconds or more.
To turn on the SR5001, press and hold the "MULTI" and "ATT" buttons simultaneously for 3 seconds or more.
Remember that the procedure will reset the settings of the SOURCE, Surround mode, delay time, TUNER PRESET etc., to their initial settings.

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TECHNICAL SPECIFICATIONS

FM TUNER SECTION
- Frequency Range: 87.5 – 108.0 MHz
- Usable Sensitivity: IHF 1.8 µV/16.4 dB
- Signal to Noise Ratio: Mono/Stereo 75/70 dB
- Distortion: Mono/Stereo 0.2/0.3 %
- Stereo Separation: 1 kHz 45 dB
- Alternate Channel Selectivity: ≤ 300 kHz 60 dB
- Image Rejection: 98 MHz 70 dB
- Tuner Output Level: 1 kHz, ≤ 75 kHz Dev 800 mV

AM TUNER SECTION
- Frequency Range: 520 – 1710 kHz
- Signal to Noise Ratio: 50 dB
- Usable Sensitivity: Loop 400mV/m
- Distortion: 400Hz, 30 % Mod. 0.5 %
- Selectivity: ≤ 20 kHz 70 dB

AUDIO SECTION (SR4001)
- Power Output (20 Hz – 20 kHz/THD=0.08%)
  - Front L&R: 8 ohms 80 W / Ch
  - Center: 8 ohms 80 W / Ch
  - Surround L&R: 8 ohms 80 W / Ch
  - Surround Back L&R: 8 ohms 80 W / Ch
- Front L&R: 6 ohms 105 W / Ch
- Center: 6 ohms 105 W / Ch
- Surround L&R: 6 ohms 105 W / Ch
- Surround Back L&R: 6 ohms 105 W / Ch
- Input Sensitivity/Impedance: 168 mV/47 Kohms
- Signal to Noise Ratio (Analog Input / Pure Direct): 105 dB
- Frequency Response (Analog Input / Pure Direct): 8 Hz – 100 kHz (≤ 3 dB)
- (Digital Input / 96 kHz PCM): 8 Hz – 45 kHz (≤ 3 dB)

AUDIO SECTION (SR5001)
- Power Output (20 Hz – 20 kHz/THD=0.08%)
  - Front L&R: 8 ohms 90 W / Ch
  - Center: 8 ohms 90 W / Ch
  - Surround L&R: 8 ohms 90 W / Ch
  - Surround Back L&R: 8 ohms 90 W / Ch
  - Front L&R: 6 ohms 110 W / Ch
  - Center: 6 ohms 110 W / Ch
  - Surround L&R: 6 ohms 110 W / Ch
  - Surround Back L&R: 6 ohms 110 W / Ch
- Input Sensitivity/Impedance: 168 mV/47 Kohms
- Signal to Noise Ratio (Analog Input / Pure Direct): 105 dB
- Frequency Response (Analog Input / Pure Direct): 8 Hz – 100 kHz (≤ 3 dB)
- (Digital Input / 96 kHz PCM): 8 Hz – 45 kHz (≤ 3 dB)

GENERAL (SR4001)
- Power Requirement: AC 120 V 60Hz
- Power Consumption: 450 W
- Weight: 25.1 lbs (11.4 Kg)

GENERAL (SR5001)
- Power Requirement: AC 120 V 60Hz
- Power Consumption: 500 W
- Weight: 27.1 lbs (12.3 Kg)

ACCESSORIES
- Remote Control Unit RC5001SR: 1
- AAA-size batteries: 2
- FM Antenna: 1
- AM Loop Antenna: 1
- Front AUX Jack Cover: 1
- AC Power Cord: 1
- Warranty Card (USA: x1, Canada: x1)

Specifications subject to change without prior notice.

DIMENSIONS
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