

# **marantz®**

**Model SR5300 User Guide**

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AV Surround Receiver

## ENGLISH

### WARRANTY

For warranty information, contact your local Marantz distributor.

#### RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Marantz.

#### IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof.

#### FOR U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

## FRANÇAIS

### GARANTIE

Pour des informations sur la garantie, contacter le distributeur local Marantz.

#### CONSERVER L'ATTESTATION D'ACHAT

L'attestation d'achat est la preuve permanente d'un achat de valeur. La conserver en lieu sûr pour s'y reporter aux fins d'obtention d'une couverture d'assurance ou dans le cadre de correspondances avec Marantz.

#### IMPORTANT

Pour l'obtention d'un service couvert par la garantie, il incombe au client d'établir la preuve de l'achat et d'en corroborer la date. Le reçu ou la facture constituent des preuves suffisantes.

## DEUTSCH

### GARANTIE

Bei Garantiefragen wenden Sie sich bitte an Ihren Marantz-Händler.

#### HEBEN SIE IHRE QUITTING GUT AUF

Die Quittung dient Ihnen als bleibende Unterlage für Ihren wertvollen Einkauf. Das Aufbewahren der Quittung ist wichtig, da die darin enthaltenen Angaben für Versicherungswecke oder bei Korrespondenz mit Marantz angeführt werden müssen.

#### WICHTIG!

Bei Garantiefragen muß der Kunde eine Kaufunterlage mit Kaufdatum vorlegen. Ihren Quittung oder Rechnung ist als Unterlage ausreichend.

## NEDERLANDS

### GARANTIE

Voor inlichtingen omtrent garantie dient u zich tot uw plaatselijke Marantz.

#### UW KWITANTIE, KASSABON E.D. BEWAREN

Uw kwitantie, kassabon e.d. vormen uw bewijs van aankoop van een waardevol artikel en dienen op een veilige plaats bewaard te worden voor evt. verwijzing bijv. in verbend met verzekering of bij correspondentie met Marantz.

#### BELANGRIJK

Bij een evt. beroep op de garantie is het de verantwoordelijkheid van de consument een gedateerd bewijs van aankoop te tonen. Uw kassabon of factuur zijn voldoende bewijs.

## ESPAÑOL

### GARANTIA

Para obtener información acerca de la garantía póngase en contacto con su distribuidor Marantz.

#### GUARDE SU RECIBO DE COMPRA

Su recibo de compra es su prueba permanente de haber adquirido un aparato de valor. Este recibo deberá guardarlo en un lugar seguro y utilizarlo como referencia cuando tenga que hacer uso del seguro o se ponga en contacto con Marantz.

#### IMPORTANTE

Cuando solicite el servicio otorgado por la garantía el usuario tiene la responsabilidad de demostrar cuándo efectuó la compra. En este caso, su recibo de compra será la prueba apropiada.

## ITALIANO

### GARANZIA

L'apparecchio è coperto da una garanzia di buon funzionamento della durata di un anno, o del periodo previsto dalla legge, a partire dalla data di acquisto comprovata da un documento attestante il nominativo del Rivenditore e la data di vendita. La garanzia sarà prestata con la sostituzione o la riparazione gratuita delle parti difettose.

Non sono coperti da garanzia difetti derivanti da uso improprio, errata installazione, manutenzione effettuata da personale non autorizzato o, comunque, da circostanze che non possano riferirsi a difetti di funzionamento dell'apparecchio. Sono inoltre esclusi dalla garanzia gli interventi inerenti l'installazione e l'allacciamento agli impianti di alimentazione.

Gli apparecchi verranno riparati presso i nostri Centri di Assistenza Autorizzati. Le spese ed i rischi di trasporto sono a carico del cliente.

La casa costruttrice declina ogni responsabilità per danni diretti o indiretti provocati dalla inosservanza delle prescrizioni di installazione, uso e manutenzione dettagliate nel presente manuale o per guasti dovuti ad uso continuato a fini professionali.

## PORTUGUÊS

### GARANTIA

Para informações sobre a garantia, contactar o distribuidor Marantz local.

#### GUARDAR O RECIBO DE COMPRA

O recibo é o registo permanente da compra que fez. Deve ser guardado num local seguro, para ser apresentado em questões relacionadas com o seguro ou para quando tiver de contactar a Marantz.

#### IMPORTANTE

Quando procurar assistência técnica ao abrigo da garantia, é da responsabilidade do consumidor estabelecer a prova e data de compra.

O recibo é prova adequada.

## SVENSKA

### GARANTI

För information om garantin, kontakta Marantz lokalagent.

#### SPAR KVITTOT

Kvittot är ett inköpsbevis på en värdefull vara. Det skall förvaras säkert och hänvisas till vid försäkringsfall eller vidkorrespondens mod Marantz.

#### VIKTIGT

Fö att garantin skall gälla är det kundens sak att framställa bevis och datum om köpet. Kvitto eller faktura är tillräckligt bevis för detta.

## DANSK

### GARANTI

Henvend dem til Deres MARANTZ-forhandler angående information om garantien.

#### GEM DERES KVITTERING

Deres købskvittering er Deres varige bevis på et dyrt køb. Den bør gemmes godt og anvendes som bevis, hvis De vil tegne en forsikring, eller hvis De kommunikerer med Marantz.

#### VIGTIGT

Det påhviler forbrugeren at skaffe bevis for købet og købsdatoen, hvis han eller hun ønsker garantiservice. Deres købskvittering eller faktura er et fuldgdydigt bevis herpå.

# CE MARKING

- English**  
The SR5300 is in conformity with the EMC directive and low-voltage directive.
- Français**  
Le SR5300 est conforme à la directive EMC et à la directive sur les basses tensions.
- Deutsch**  
Das Modell SR5300 entspricht den EMC-Richtlinien und den Richtlinien für Niederspannungsgeräte.
- Nederlands**  
De SR5300 voldoet aan de EMC eisen en de vereisten voor laag-voltage.
- Español**  
El SR5300 está de acuerdo con las normas EMC y las relacionadas con baja tensión.
- Italiano**  
Il SR5300 è conforme alle direttive CEE ed a quelle per i bassi voltaggi.
- Português**  
O SR5300 conforma com as diretrizes EMC e de baixa voltagem.
- Svenska**  
SR5300 är tillverkad i enlighet med EMC direktiven och direktiven för lågvoltsutrusning.
- Dansk**  
Model SR5300 er i overensstemmelse med EMC-direktivet og direktivet om lavspænding.

## English

To ventilate the unit, do not install the unit in a rack or bookshelf, and note the followings.

- Do not touch the top of the enclosure during operation.
- Do not block the openings in the enclosure during operation.
- Do not insert objects beneath the unit.
- Do not block the ventilation slots at the top of the unit.
- Do not place anything about 1 meter above the top panel.
- Make a space of about 0.2 meter around the unit.

## Français

Pour que l'appareil puisse être correctement ventilé, ne pas l'installer dans un meuble ou une bibliothèque et respecter ce qui suit.

- Ne pas toucher le dessus du coffret.
- Ne pas obstruer les ouïes de ventilation du coffret pendant le fonctionnement.
- Ne placer aucun objet sous l'appareil.
- Ne pas obstruer les ouïes de ventilation du panneau supérieur. Ne placer aucun objet à moins d'un mètre environ du panneau supérieur.
- Veiller à ce qu'aucun objet ne soit à moins de 0,2 mètre des côtés de l'appareil.

## Deutsch

Um eine einwandfreie Belüftung des Geräts zu gewährleisten, darf das Gerät nicht in einem Gestell oder Bücherregal aufgestellt werden; die folgenden Punkte sind besonders zu beachten:

- Während des Betriebs das Oberteil des Gehäuses nicht berühren.
- Während des Betriebs die Öffnungen im Gehäuse nicht blockieren.
- Keine Gegenstände in das Gerät einführen.
- Die Belüftungsschlitze an der Oberseite des Geräts dürfen nicht blockiert werden. Darauf achten, daß über dem Gerät ein Freiraum von mindestens 1 meter vorhanden ist.
- Auf allen Geräteseiten muß ein Zwischenraum von ungefähr 0,2 meter vorhanden sein.

## Nederlands

Installeer het toestel niet in een rek of boekenkast waar de ventilatie mogelijk wordt gehinderd. Let tevens op de volgende punten:

- Raak de bovenkant van het toestel niet aan als het in gebruik is.
- Blokkeer de openingen van het toestel niet als het in gebruik is.
- Plaats geen onderwerpen onder het toestel.
- Blokkeer de ventilatie-openingen aan de bovenkant van het toestel niet. Zorg dat er tenminste 1 meter vrije ruimte boven het toestel is.
- Zorg dat er 0,2 meter vrije ruimte rond het toestel is.

## Español

Para ventilar la unidad no la instale en una estantería ni estante para libros, y tenga en cuenta lo siguiente:

- No toque la parte superior de la caja durante el funcionamiento.
- No tape las ranuras en la caja durante el funcionamiento
- No ponga objetos debajo de la unidad.
- No tape las ranuras de ventilación de la parte superior de la unidad. No ponga nada a menos de 1 metro por encima del panel superior.
- Deje un espacio de unos 0,2 metro alrededor de la unidad.

## Italiano

Perché l'unità possa essere sempre ben ventilata, non installarla in scaffali o librerie e tenere presente quanto segue.

- Non toccare la parte superiore del rivestimento durante il funzionamento.
- Non bloccare le aperture sul rivestimento durante il funzionamento.
- Non inserire oggetti al di sotto dell'unità.
- Non bloccare le fessure di ventilazione sopra l'unità. Non posare nulla per circa un metro sopra il pannello superiore.
- Lasciare 0,2 metro liberi tutto intorno l'unità.

## Português

Para ventilar o aparelho, não instalá-lo dentro duma estante ou algo similar, e observar as seguintes recomendações:

- Não tocar a parte superior do aparelho durante a operação.
- Não bloquear as aberturas do aparelho durante a operação.
- Não inserir objectos debaixo do aparelho.
- Não bloquear as aberturas de ventilação na parte de cima do aparelho. Deixar um espaço completamente livre de cerca de 1 metro acima do painel superior.
- Deixar um espaço de cerca de 0,2 metro ao redor do aparelho.

## Svenska

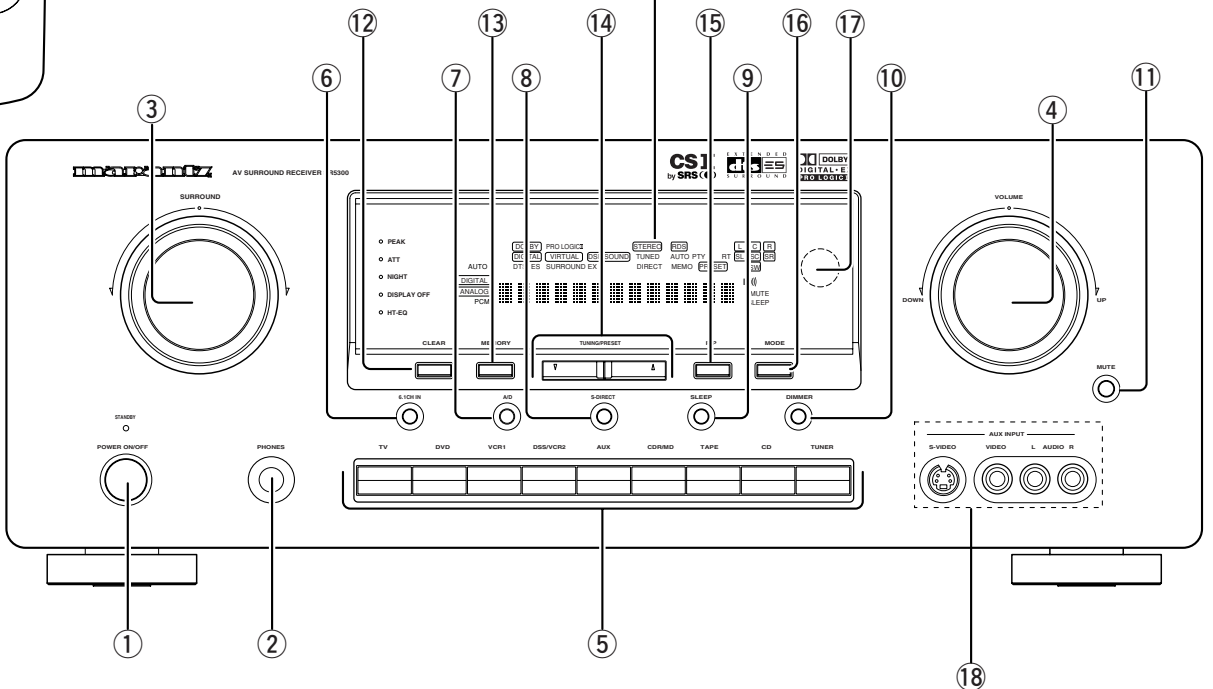
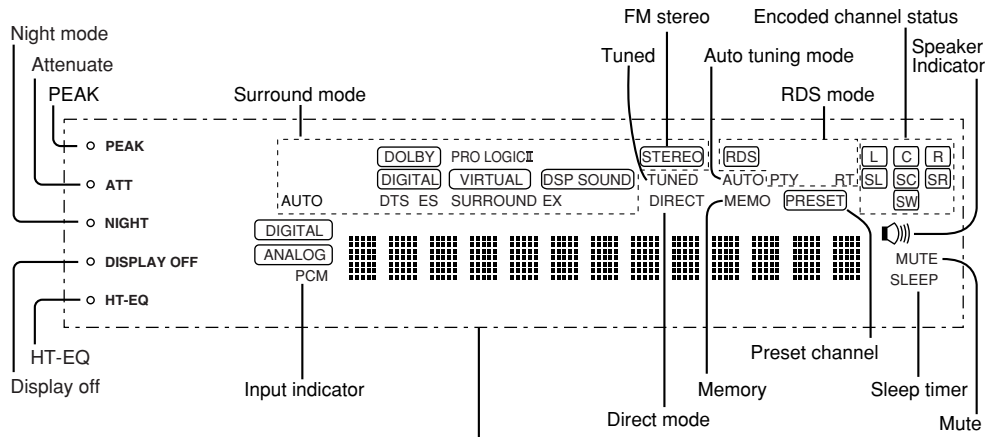
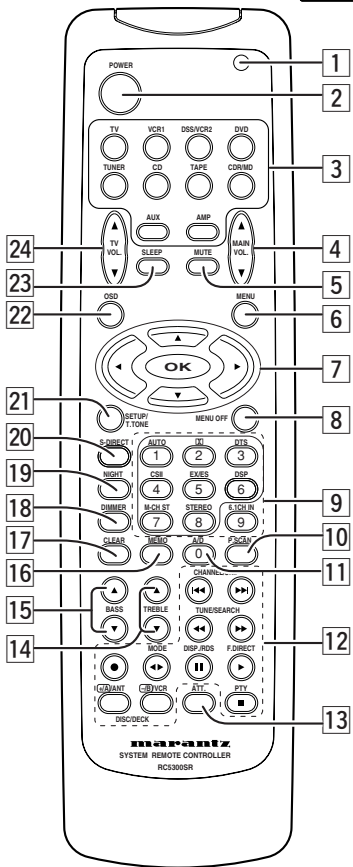
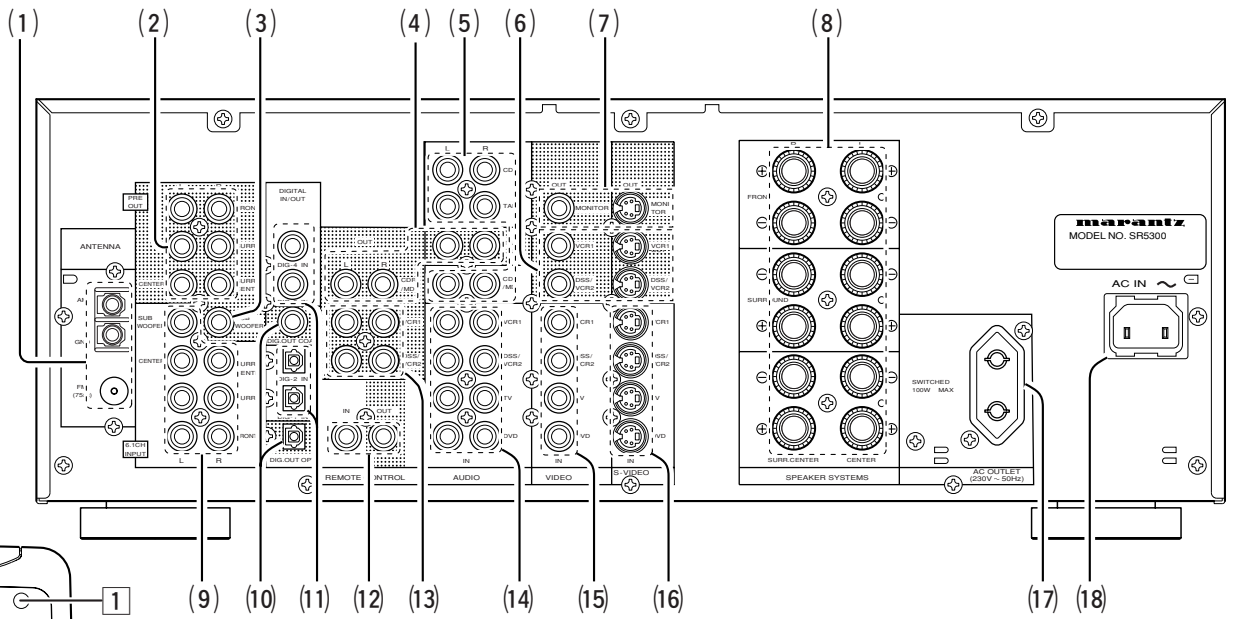
För att ventilera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.

- Vidrör inte ytterhöljets ovansida under pågående drift.
- Blockera inte öppningarna i ytterhöljet under pågående drift.
- Stick inte in föremål under enheten.
- Blockera inte ventiltionshålén ovanpå enheten. Placera inte någonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till att det finns omkring 0,2 meter fri plats runt omkring enheten.

## Dansk

Anbring ikke apparatet i et rack eller en boghylde, da dette kan bloke luftcirkulationen omkring apparatet. Iagttag ligeledes følgende:

- Berør ikke oversiden af kabinettet under anvendelsen.
- Bloker ikke åbningerne i kabinettet under anvendelsen.
- Stik ikke genstande ind under apparatet.
- Bloker ikke ventilationsåbningerne ovenpå apparatet. Anbring ikke noget nærmere end 1 m over apparatets overside, Sørg for, at der er et frit område på omkring 0,2 m omkring apparatet.



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## FOREWORD

This section must be read before any connection is made to the mains supply.

### WARNINGS

- Do not expose the equipment to rain or moisture.
- Do not remove the cover from the equipment.
- Do not insert anything into the equipment through the ventilation holes.
- Do not handle the mains lead with wet hands.
- Do not cover the ventilation with any items such as tablecloths, newspapers, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.

### EQUIPMENT MAINS WORKING SETTING

Your Marantz product has been prepared to comply with the household power and safety requirements that exist in your area. SR5300 can be powered by 230 V AC only.

### COPYRIGHT

Recording and playback of any material may require consent. For further information refer to the following:

- Copyright Act 1956
- Dramatic and Musical Performers Act 1958
- Performers Protection Acts 1963 and 1972
- any subsequent statutory enactments and orders

### ABOUT THIS USER GUIDE

Refer to the figures on page iii of this user guide. The numbers on the figures correspond to those in the text. All references to the connections and controls that are printed in **BOLD** type are as they appear on the unit.

## PRECAUTIONS

The following precautions should be taken when operating the equipment.

### GENERAL PRECAUTIONS

When siting the equipment ensure that:

- the ventilation holes are not covered;
- air is allowed to circulate freely around the equipment
- it is on a vibration free-surface;
- it will not be exposed to interference from an external source;
- it will not be exposed to excessive heat, cold, moisture or dust;
- it will not be exposed to direct sunlight;
- it will not be exposed to electrostatic discharges

Never place heavy objects on the equipment.

If a foreign body or water does enter the equipment, contact your nearest dealer or service center.

Do not pull out the plug by pulling on the mains lead, hold the plug.

It is advisable when leaving the house, or during a thunderstorm, to disconnect the equipment from the mains supply.

### PRECAUTIONS IN CONNECTION

- Be sure to unplug the power cable from the AC outlet or turn off the POWER switch before proceeding with any connection.
- Connect one cable at a time observing the "input" and "output". This will avoid any cross connection between channels and signal inputs and outputs.
- Insert the plugs securely. Incomplete connection may result in noise.
- Prior to connecting other audio and video equipment to the SR5300, please read their owner's manuals.

## INSTALLATION

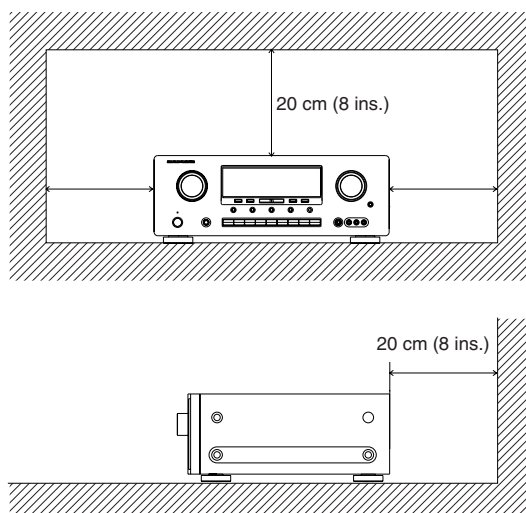
If this unit or another electronic device incorporating a microcomputer is used at the same time with the tuner or television, picture disturbance or noise may occur. In such a case, install the unit according to the following guide points.

- Separate the unit as far as possible from the television.
- Place the antenna wire for the tuner or TV apart from the power cable and audio and video connection cables of this unit.
- Since the phenomenon is likely to occur when using an indoor antenna and/or 300-ohm feeder wire, we recommend using an outdoor antenna and 75-ohm coaxial cable.

### CAUTIONS ON INSTALLATION

For heat dispersal, leave at least 20 cm/8 inches of space between the top, back and sides of this unit and the wall or other components.

- Do not obstruct the ventilation holes.



# INTRODUCTION

Thank you for purchasing the Marantz SR5300 DTS/Dolby Digital 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 SR5300.

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

# DESCRIPTION



DTS was introduced in 1994 to provide 5.1 channels of discrete digital audio into home theater systems.

DTS brings you premium quality discrete multi-channel digital sound to both movies and music.

DTS is a multi-channel sound system designed to create full range digital sound reproduction.

The no 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 channel and a mono surround channel from two-channel matrix stereo material. It is better than a simple matrix in that it includes steering logic to improve separation, but because of its mono, band-limited surround it can be disappointing to users accustomed to discrete multichannel.

Neo 6 offers several important improvements as follow,

- Neo 6 provides up to six full-band channels of matrix decoding from stereo matrix material. Users with 6.1 and 5.1 systems will derive six and five separate channels, respectively, corresponding to the standard home-theater speaker layouts.
- Neo 6 technology allows various sound elements within a channel or channels to be steered separately, and in a way which follows naturally from the original presentation.
- Neo 6 offers a music mode to expand stereo nonmatrix recordings into the five- or six-channel layout, in a way which does not diminish the subtlety and integrity of the original stereo recording.



DTS-ES Extended Surround is a new multi-channel digital signal format developed by Digital Theater Systems Inc. While offering high compatibility with the conventional DTS Digital Surround format, DTS-ES Extended Surround greatly improves the 360-degree surround impression and space expression thanks to further expanded surround signals. This format has been used professionally in movie theaters since 1999.

In addition to the 5.1 surround channels (FL, FR, C, SL, SR and LFE), DTS-ES Extended Surround also offers the SC (Surround Center) 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 Extended Surround" and "Neo:6" are trademarks of Digital Theater Systems, Inc.



Dolby Digital identifies the use of Dolby Digital (AC-3) audio coding for such consumer formats as DVD and DTV. As with film sound, Dolby Digital can provide up to five full-range channels for left, center, and right screen channels, independent left and right surround channels, and a sixth (".1") channel for low-frequency effects.

Dolby Surround Pro Logic II is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround program material; provides a convincing three-dimensional soundfield on conventional stereo music recordings; and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully compatible with Dolby Surround Pro Logic II decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic II playback, including separate left and right surround channels. (Such material is also compatible with conventional Pro Logic decoders.)


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.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.



Circle Surround II (CS-II) is a powerful and versatile multi-channel technology. CS-II is designed to enable up to 6.1 multi-channel 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.

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 clearer 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.

SRS Circle Surround II, SRS Dialog, SRS TruBass, SRS and  symbol are trademarks of SRS Labs, Inc.

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

## FEATURES

### **BUILT-IN 6 CHANNEL POWER AMPLIFIER**

90 watts to each of the six main channels ; the power amp section features an advanced, premium high- storage power supply capacitors, and fully discrete output stages housed in cast aluminum heat sinks .

### **192 kHz/24-BIT D/A CONVERTER FOR ALL CHANNELS**

High performance digital circuitry with 192 kHz / 24-bit D/A converter for all 7 channels.

### **DTS-ES**

**DTS-ES** decoder built in to decode the impeccable 6.1-channel discrete digital audio from DTS-ES encoded DVD-Video discs, DVD-Audio discs and CDs.

### **DOLBY DIGITAL EX**

**Dolby Digital EX** decoder built in to create six full-band width output channels from the 5.1-channel digital audio of DVDs, Digital TV, HDTV, satellite broadcasts and other sources.

### **DOLBY PRO LOGIC II**

**Dolby Pro Logic II** decoder provides better spatiality and directionality on Dolby Surround program material and provides a convincing three-dimensional sound field on conventional stereo music recordings.

### **DTS-NEO:6**

**DTS-Neo:6** decoder built in to decode 6.1-channel surround sound from any stereo material.

### **CIRCLE SURROUND II**

**CIRCLE SURROUND II** decoder built in to decode 6.1-channel surround sound from any stereo or passive matrix-encoded material.

### **SOURCE DIRECT MODE**

**Source Direct mode** bypasses, tone controls and bass management for purest audio quality.

### **6.1 CHANNEL PRE-AMP OUTPUTS**

**6.1 channel pre-amp outputs** for connection to external components such as a subwoofer and external power amplifiers.

### **6.1CH DIRECT INPUT**

**6.1ch direct inputs** accommodate future multi-channel sound formats or an external digital decoder.

### **4 DIGITAL INPUTS AND 2 DIGITAL OUTPUTS**

**4 Digital inputs** for connection to other sources, such as DVD, DSS, CD, CD-R or MD.

**2 Digital outputs** for connection to CD-R or MD.

### **30 STATION RANDOM ACCESS PRESET TUNING**

High-quality AM/FM tuner with 30 station random access preset tuning.

### **RDS FUNCTION**

**Radio Data System(RDS)** provides information on FM broadcasts.

### **ONSCREEN DISPLAY MENU SYSTEM**

Easy to use **on-screen display menu system** in all video monitor output.



# FRONT PANEL FEATURES (SEE PAGE iii.)

## ① POWER switch and STANDBY indicator

Press the button to turn the power ON, and press again to turn it OFF. If the **POWER** switch is in the ON position, the power of this unit can be turned ON/OFF by pressing the **POWER** button on the remote control unit.

When this unit is in the standby mode with the **POWER** switch set to the ON position, pressing one of the **FUNCTION SELECTOR** buttons also allows to turn the power on.

The **STANDBY** indicator lights up when this unit is the standby mode (power OFF) by the remote control unit.

## ② PHONES jack for stereo headphones

Conventional dynamic headphones can be plugged in here.

### Notes:

- When using headphones, the surround mode is switched automatically to **STEREO**, the sound from the speakers is muted and the “**⏸**” indicator is turned off.
- The surround mode returns to the previous setting as soon as the plug is removed from the jack.

## ③ SURROUND mode selector knob

When this knob is turned, the surround mode is switched sequentially.

## ④ VOLUME control knob

Adjusts the over all sound level. Turning the control clockwise increases the sound level.

## ⑤ Function selector buttons (Audio/ Video)

These buttons are used to select the sources.

The video function selector, such as TV, DVD, VCR1, DSS/VCR2, and AUX, selects video and audio simultaneously.

Audio function sources such as CD, TAPE, CDR/MD, and TUNER may be selected in conjunction with a Video source.

This feature (Sound Injection) combines a sound from one source with a picture from another.

Choose the video source first, and then choose a different audio source to activate this function.

## ⑥ 6.1CH IN button

Press this button to select the output of an external multi channel decoder.

## ⑦ A/D (Analog/Digital) SELECTOR button

This is used to select between the analog and digital inputs.

### Note:

- This button is not used for an input source that is not connected to a digital input.

## ⑧ S. ( Source) DIRECT button

When this button is pressed, the tone control circuit is bypassed as well as Bass Management.

### Notes:

- The surround mode is automatically switched to **AUTO** when the source direct function is turned on.
- Additionally, Speaker Configurations are fixed automatically as follow.  
Front SPKR = LARGE  
Center SPKR = LARGE  
Surround SPKR = LARGE  
Surround Center SPKR = YES  
Sub woofer = YES
- S.DIRECT is turned off when the other surround mode is selected with the **SURROUND** mode selector knob or the surround mode buttons of the remote controller.

## ⑨ SLEEP (Sleep timer) button

Set the sleep timer function with this button .

## ⑩ DIMMER button

When this button is pressed once, the display is dimmed.

When this button is pressed twice, the display is turned off and “DISPLAY OFF” indicator lights up.

Press this button again to turn the display ON again.

## ⑪ MUTE button

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

## ⑫ CLEAR button

Press this button to cancel the station memory setting mode or preset scan tuning.

## ⑬ MEMORY button

Press this button to enter the tuner preset memory numbers and station names.

## ⑭ TUNING / PRESET UP and DOWN buttons

During reception of AM or FM, you can scan the other frequencies or select another preset station pressing these buttons.

## ⑮ F/P (Frequency/ Preset) button

During reception of AM or FM, you can change the function of the UP/DOWN buttons for scanning frequencies or selecting preset stations by pressing this button.

## ⑯ (FM) 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.

## ⑰ Infrared sensor

This window receives infrared signals from the remote control unit.

## ⑱ AUX input jacks

These auxiliary video/audio input jacks accept the connection of a camcorder, portable VCR, etc.

## REAR PANEL CONNECTIONS (SEE PAGE iii.)

All connections to the rear panel should be made with the entire system powered off.

To avoid errors, it is advisable to connect one cable at a time between the various components.

### (1) FM antenna terminal (75 ohms)

Connect an external FM antenna with a coaxial cable, or a cable network FM source.

#### 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.

### (2) PRE OUT jacks

Jacks for Front - L/R, Center, Surround and Surround center. Use these jacks for connection to an external power amplifier.

### (3) SUB WOOFER output jack

Connect to the input jack(s) of the power amplifier for subwoofer channel or powered subwoofer.

### (4) Analog AUDIO outputs for audio recording equipment

#### TAPE and CD-R/MD

Connect each output to the audio inputs (REC in) of your recording equipment.

### (5) Analog AUDIO inputs

#### CD, TAPE, and CD-R/MD

Connect the audio outputs of your source components to the input jacks on the receiver.

### (6) VIDEO (VIDEO/S-VIDEO) outputs

#### VCR1, and DSS/VCR2

Connect each output to the video input (REC in) of your video recording equipment.

### (7) TV MONI. (VIDEO/S-VIDEO) output jacks

Connect the TV MONI jack to your TV's video input (VIDEO IN) jack. You can connect your video equipment with S-VIDEO jacks if possible, or the composite VIDEO jacks.

You must use the same type of connection from your video player into the receiver, and out of the receiver into your TV.

Both must be composite video or both must be S-Video. You cannot convert a signal from one type to the other.

### (8) SPEAKER SYSTEMS terminals

#### FRONT Left & Right speakers output terminals

Connect to the front left & right speakers.

#### CENTER speaker output terminals

Connect to the center speaker.

#### SURROUND Left & Right speakers output terminals

Connect to the surround (rear) left & right speakers.

#### SURROUND Center speaker output terminals

Connect to the surround center speaker.

### (9) 6.1 CH INPUT jacks

Connect to the outputs of DVD Audio player, SACD Multi channel player or an external multichannel decoder.

### (10) DIGITAL outputs

#### Optical and Coaxial

Connect to the digital input of your digital recording equipment.

### (11) DIGITAL inputs

#### Fig.1,2 (Optical) and Fig. 3, 4 (Coaxial)

Connect each input to the digital output of your source equipment. Use the SETUP MAIN MENU to assign digital input to appropriate source. (see page. 17)

#### Note :

- The coaxial connections are not for AC-3 RF from the LD player. If you want to decode this type of signal, an external demodulator must be used.

### (12) REMOTE CONTROL IN/OUT terminals

Connect to a Marantz component equipped with remote control (RC-5) terminals.

### (13) Analog AUDIO outputs for video recording equipment

#### VCR1, and DSS/VCR2

Connect each output to the audio inputs (REC in) of your video recording equipment.

### (14) Analog AUDIO inputs for video source equipment

#### TV, DVD, VCR1, and DSS/VCR2

Connect each input to the audio outputs of your video source equipment.

### (15) VIDEO inputs

#### TV, DVD, VCR1, and DSS/VCR2

Connect each input to the video outputs of your video source equipment.

### (16) S-VIDEO inputs

#### TV, DVD, VCR1, and DSS/VCR2

Connect each input to the S-video outputs of your video source equipment.

### (17) AC OUTLET

Connect the power cables of components such as a DVD or CD player to this outlet.

This provides power only when the SR5300 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 in here should be powered up BEFORE the SR5300 is turned on.
- The capacity of this AC outlet is 100W. Do not connect devices that consume electricity more than the capacity to this AC outlet. If total power consumption of connected devices exceeds the capacity, protection circuit shuts down the power supply.

### (18) AC IN

Connect to supplied AC cable, and connect to AC power outlet. SR5300 can be powered by 230V AC only.

# REMOTE CONTROL OPERATION

## OPERATION

The provided remote control unit is a universal remote controller. The **POWER** button [2], numeric buttons [9] and control buttons [12] 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 [3] is pressed.

• Example: To select the DVD as the input source and play the DVD player.

Press the **DVD** button [3] twice within 2 seconds.

The input selector of the SR5300 is switched to DVD and the remote control unit is set for control of the DVD player. Press the **PLAY** button on the remote controller .

## FUNCTION AND OPERATION

### 1 Transmitting indicator

Lights up during a button is pressed and an infrared signal is sending.

### 2 (Main) POWER buttons

Press to switch the power of the SR5300 ON or OFF after pressing the **AMP** button [3].

### 3 Input selector buttons/ FUNCTION SELECTOR buttons (AUDIO/VIDEO INPUT)

Press one of these buttons once or twice to select a particular source component. For example, to set the receiver to the DVD input, press the **DVD** button twice within 2 seconds.

**Note:**

- **CDR/MD** button is set CDR function at initial. To switch MD function, press and hold down **CDR/MD** button and press **2** button [9].
- To return CDR function, press and hold down **CDR/MD** button and press **1** button [9].

### 4 MAIN VOLUME UP (▲) /DOWN (▼) buttons

Main volume control of the SR5300. The front, surround, center and subwoofer channel volumes controlled by these buttons simultaneously.

### 5 MUTE button

Muting button of the SR5300. Press this button decrease the sound temporarily . Press this button again to return to the previous sound. When this button is pressed, "MUTE" indicator lights up.

### 6 MENU button

This button is used to enter the SETUP MAIN MENU.

### 7 Cursor buttons (◀, ▶, ▲, ▼, OK)

Use these button when operating the SETUP MAIN MENU. See page 16.

### 8 MENU OFF button

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

### 9 Numeric buttons 1 to 9 (A, B, C ... Z, -) / Surround mode buttons

#### Numeric buttons

These buttons are used to enter figures in the selection of a tuner preset station and station name preset or to set select a CD track number, etc. The functions of these buttons are dependent on the function button selected.

#### Surround mode buttons (when AMP mode is selected)

These buttons are used to select the surround mode.

### 10 P.SCAN (preset scan) button (when TUNER mode is selected)

This button is used to start preset scan when SR5300 is selected TUNER mode.

### 11 0 / A/D button

#### 0 button

This button is used to enter the number "0"

#### A/D button (when AMP mode is selected)

This is used to switch between the analog and digital inputs.

### 12 CONTROL buttons

These buttons are used when operating the CD player, TAPE deck, etc. The function of these buttons are dependent on the function button selected.

For the controllable functions of each input function, please refer to following table.

|                | TV         | VCR    | DVD    | DSS        | TUNER        | CD     | TAPE      | CDR    | MD     |
|----------------|------------|--------|--------|------------|--------------|--------|-----------|--------|--------|
| ◀ CHANNEL/SKIP | CH-        | PREV   | PREV   | CH-        | CH-          | PREV   | PREV      | PREV   | PREV   |
| ▶ CHANNEL/SKIP | CH+        | NEXT   | NEXT   | CH+        | CH+          | NEXT   | NEXT      | NEXT   | NEXT   |
| ◀ TUNE/SEARCH  | —          | REWIND | REWIND | —          | TUNING-      | REWIND | REWIND    | REWIND | REWIND |
| ▶ TUNE/SEARCH  | —          | FF     | FF     | —          | TUNING+      | FF     | FF        | FF     | FF     |
| ●              | —          | REC    | —      | —          | —            | —      | REC       | REC    | REC    |
| ◀ MODE         | —          | —      | —      | —          | MODE         | —      | DIRECTION | —      | —      |
| DISP./RDS      | CH DISPLAY | PAUSE  | PAUSE  | CH DISPLAY | RDS DISPLAY  | PAUSE  | PAUSE     | PAUSE  | PAUSE  |
| ▶ F.DIRECT     | —          | PLAY   | PLAY   | —          | FREQ. DIRECT | PLAY   | PLAY      | PLAY   | PLAY   |
| +A/AANT        | VIDEO      | TV/VCR | DISC+  | DSS/VCR    | —            | DISC+  | DECK A    | —      | —      |
| -B/VCR         | VIDEO      | TV/VCR | DISC-  | DSS/VCR    | —            | DISC-  | DECK B    | —      | —      |
| ■ PTY          | —          | STOP   | STOP   | —          | RDS PTY      | STOP   | STOP      | STOP   | STOP   |

### 13 ATT (attenuator) button

When the input signal is too high and the voice distorts even by throttling the SR5300 VOLUME control, turn on this function. "ATT" is indicated when this function is activated.

The input level is reduced. Attenuator is invalid for use with the output signal of "REC OUT".

**Note:**

- This function is unavailable during the digital input is selected.

### 14 TREBLE UP (▲) /DOWN (▼) buttons

These buttons are used to adjust the tone control of high frequency sound for left and right speaker.

### 15 BASS UP (▲) /DOWN (▼) buttons

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

### 16 MEMO button

Memory enable button for various preset functions.

**17 CLEAR button**

This button is used to cancel for certain memory or programming operations.

**18 DIMMER button**

When this button is pressed once, the display is dimmed.

When this button is pressed twice, the display is turned off and the "DISPLAY OFF" indicator lights up.

Press this button again to turn on the display again.

**19 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 for 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, "NIGHT" indicator lights up.

**20 S- ( Source) DIRECT button**

When this button is pressed, the tone control circuit is bypassed as well as Bass Management.

**21 SETUP / T.TONE button**

Test tone function is used for adjusting the balance between the volume levels of speaker channels. Press **AMP** button and press this button to enter the test tone mode.

**22 OSD button**

When this button is pressed, the current setting are displayed on the TV monitor.

**23 SLEEP (sleep timer) button**

This button is used for setting the sleep timer. It can be operated the same way as the button in unit.

**24 TV VOLUME UP (▲) /DOWN (▼) buttons**

These buttons increase or decrease TV's volume.

**PROGRAMMING THE REMOTE CONTROLLER**

The remote controller RC5300SR must be programmed to use the codes for your appliances of different brands. This is done by keying in a 4-digit code or by scanning the codes until the correct one is found. We recommend to using the 4-digit code. This mode is faster and more reliable. The code scanning method should be used only if you cannot find the code for one of your appliances. The codes are listed at the end of this book.

**Important:**

- Use the remote control buttons for programming, not the buttons of the receiver or other appliances.
- Some codes may be not match your equipment. In this case, your equipment cannot be controlled with this remote controller.

**PROGRAMMING WITH THE 4-DIGIT CODE**

1. Press and hold down the function button [3] for the appliance which should be controlled and press **SETUP** [21] until the indicator [1] blinks twice.
2. Press the 4-digit code for appliance (code table at the end of this book)
3. When the procedure is successful, the 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.

**SCANNING THE CODE TABLE**

1. Switch on the appliance which should be controlled.
2. Press and hold down the function button [3] for appliance which should be controlled and press **SETUP** [21] until the indicator [1] blinking twice.
3. Press the code **9 - 9 - 1**.  
The indicator will blink twice.
4. Aim the remote control at the appliance and slowly alternate between pressing **POWER** [2] and the function button [3] for the appliance.
5. Stop when the appliance turns off.
6. Press **SETUP** [21] once to lock in the code.

**CHECKING THE CODE**

1. Press and hold down the function button [3] for appliance which should be controlled and press **SETUP** [21] until the indicator [1] blinking twice.
2. Press the code **9 - 9 - 0**.  
The indicator will blink twice.
3. To view the code for first digit, press **1** once.  
Wait 3 seconds, count the indicator blinks (e.g. 3 blinks = 3) and write down the number.

**Note:**

If a code digit is "0", the 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.

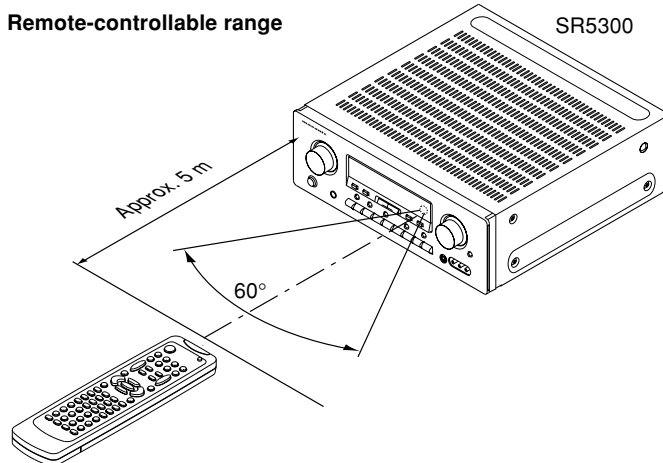
Once you have found and the codes for your various appliances, you may want to write them down here.

- TV -----
- VCR -----
- DSS -----
- DVD -----
- CD -----
- TAPE -----
- CDR -----
- MD -----

## OPERATION OF REMOTE CONTROL UNIT

### REMOTE CONTROL

The distance between the transmitter of the remote control unit and the IR SENSOR of the SR5300 should be less than about 5 meters. If the transmitter is pointed to a direction other than the IR SENSOR or if there is an obstacle between them, remote control may not be possible.

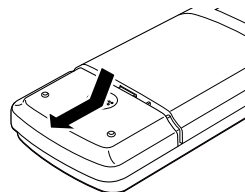


Remote control unit (RC5300SR)

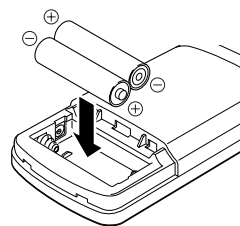
### LOADING BATTERIES

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

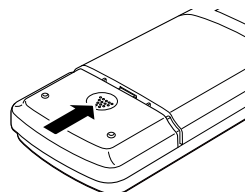
1. Remove the back cover.



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



3. Close until it clicks.



# CONNECTIONS

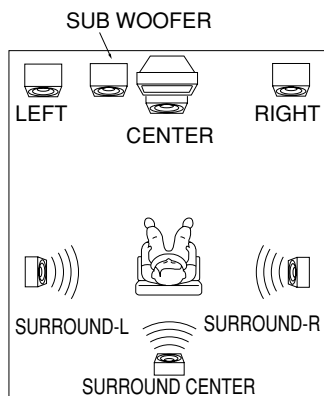
## SPEAKER PLACEMENT

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 center and a subwoofer.

For best results we recommend that all front speakers be of the same type, with identical or similar driver 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 (AC-3) 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.



### Front left and right speakers

We recommend to set the front L and R speakers with 45-60 degrees from the listening position.

### Center speaker

Align the front line of the center speaker with the front L/R speakers. Or place the center speaker a little backward from the line.

### Surround left and right speakers

Place the speakers right beside of the listening position or a little forward. Do not place the speakers backward of the listening position.

### Surround center speaker

Place the speaker right behind of the listening position.

### Subwoofer

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

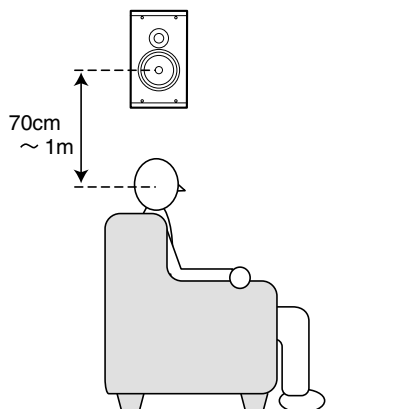
## HEIGHT OF THE SPEAKER UNITS

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

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

### Surround left and right speakers, and surround center speaker

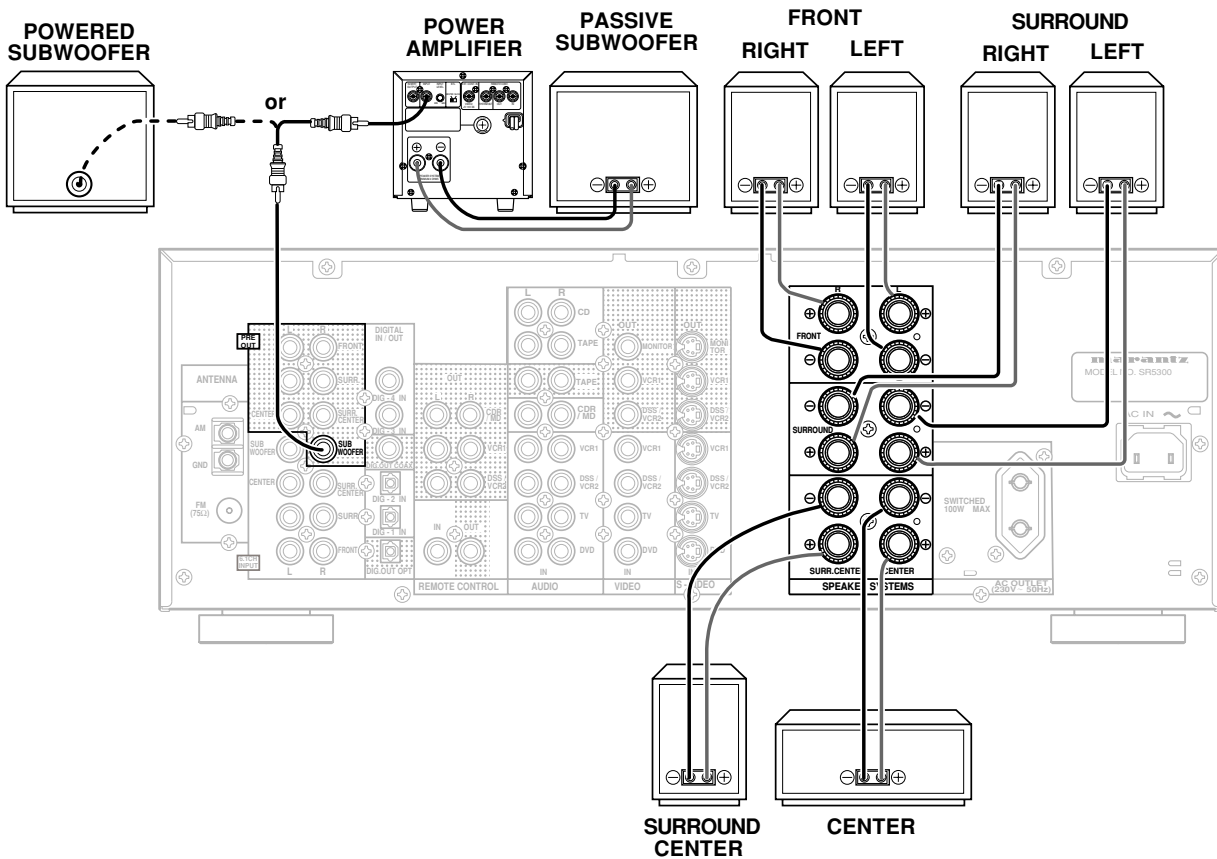
Place the surround left, right and surround center speakers higher to your ears (70cm – 1m). Also place the speakers on the same height.



### Note;

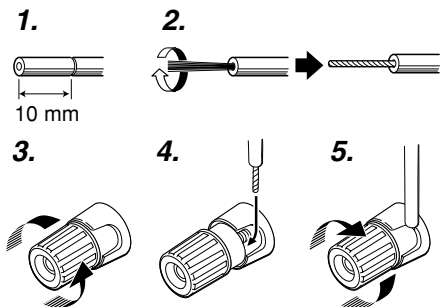
- Use magnetically-shielded speakers for front left, right and the center speakers when the speakers are installed near the TV and the TV is a monitor type.

## CONNECTING SPEAKERS



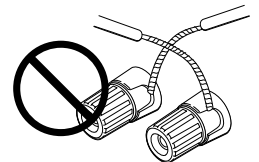
### CONNECTING SPEAKER WIRE

1. Strip away approx. 10 mm of wire insulation.
2. Twist the bared wire ends tight to prevent short circuits.
3. Loosen the knob by turning counterclockwise.
4. Insert the bare part of the wire into the hole in the side of each terminal.
5. Tighten the knob by turning clockwise to secure the wire.



### CAUTION

- Be sure to use speakers with the specified impedance 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 electric shocks.
- Do not connect more than one speaker cable to one speaker terminal. Doing so may damage this unit.



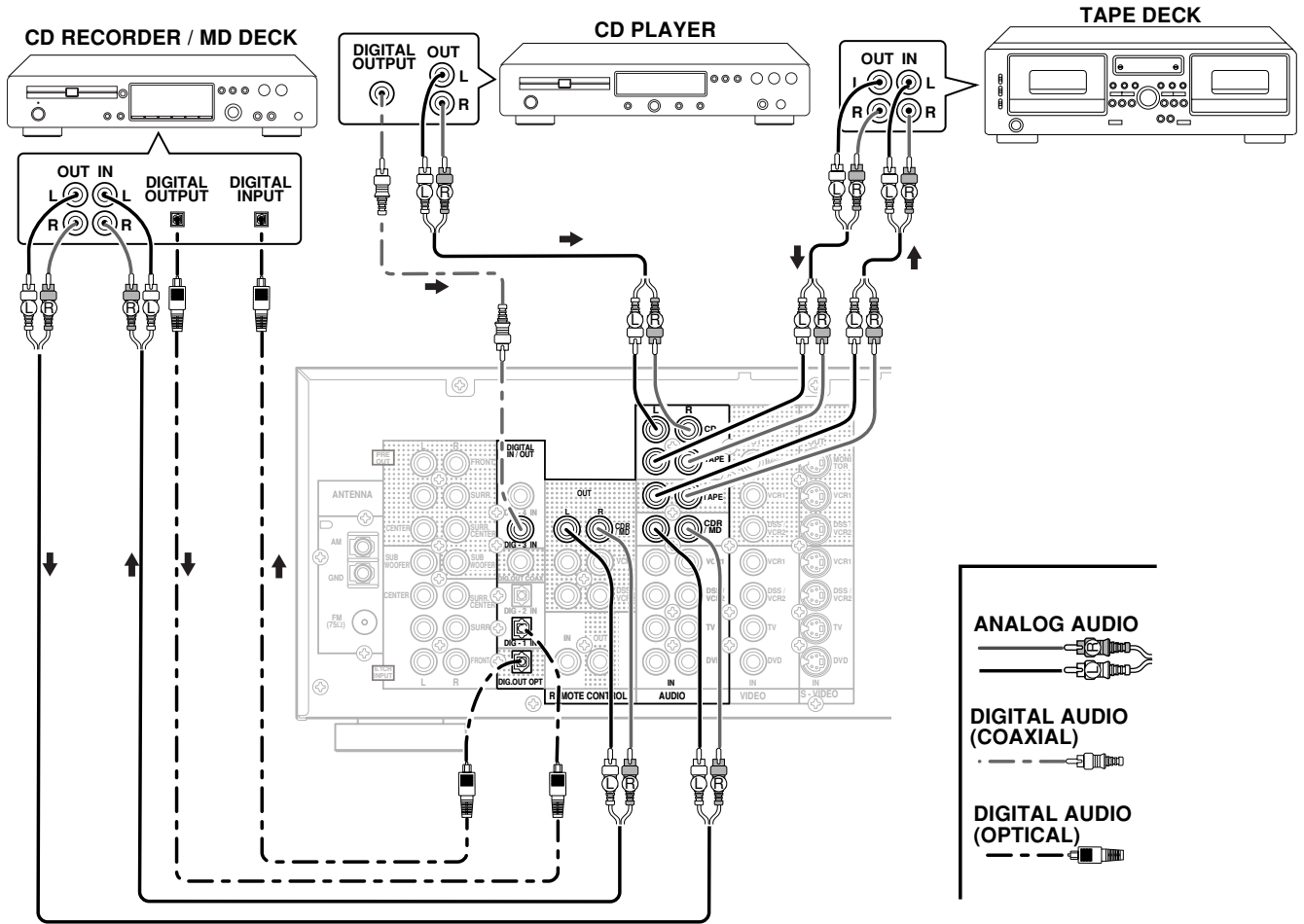
### NOTE

- 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 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.

CONNECTING AUDIO COMPONENTS



The output audio signal from the TAPE OUT jack and the CD-R/MD OUT jack is the sound source 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.
- Be sure to connect input and output properly.
- Refer to the instructions for each component that is connected with this unit.
- Do not bind audio/video connection cables with power cords and speaker cables will result in generating hum or other noise.

**CONNECTING DIGITAL AUDIO COMPONENTS**

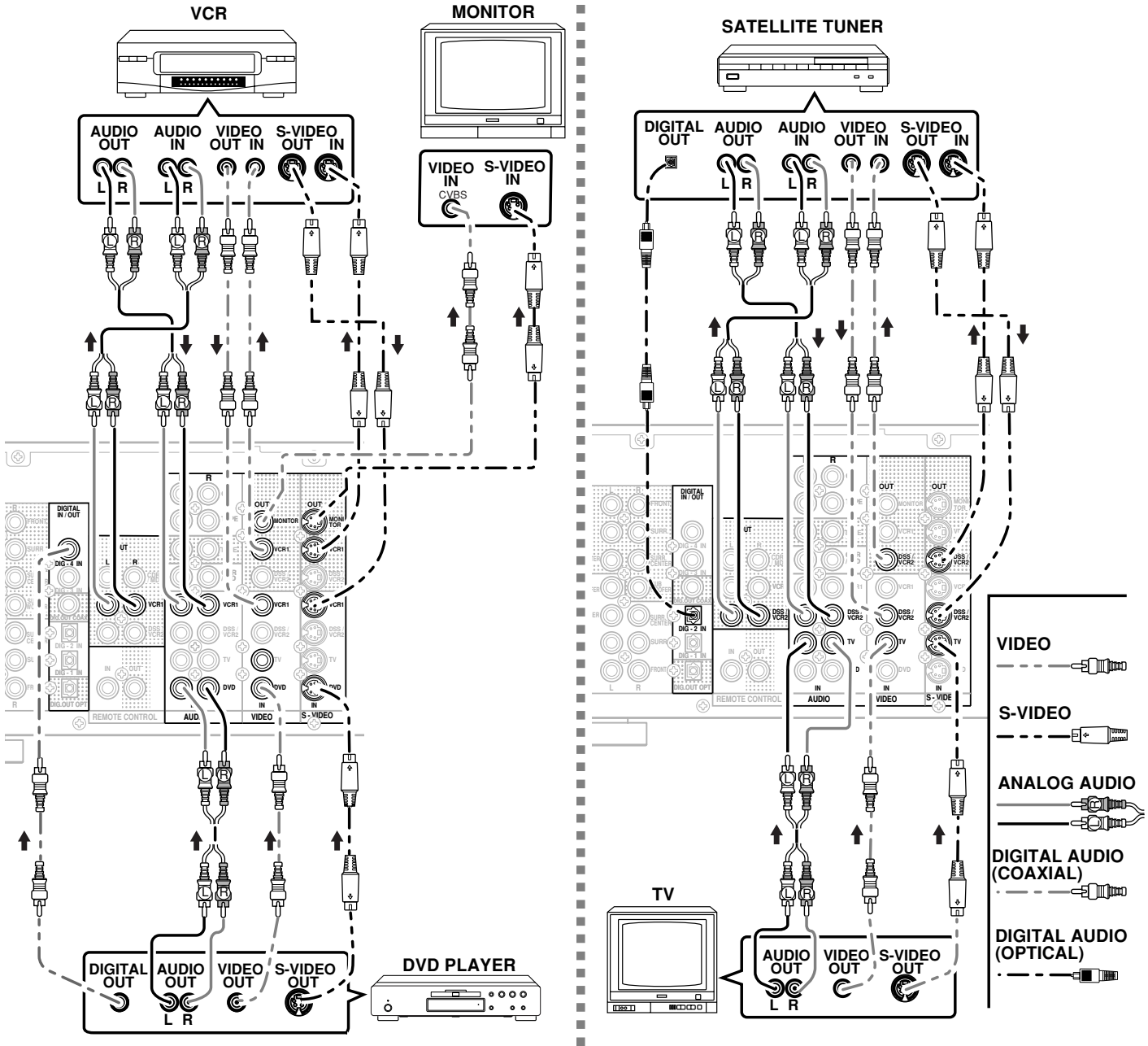
- There are four digital inputs, two coaxial jacks and two optical jacks, on the rear panel. You can use these jacks to input PCM, Dolby Digital and DTS bitstream signals from a CD, DVD, or other digital source components.
- There are one digital output with coaxial jack and one with optical jack on the rear panel. These jacks can be connected to CD recorder, MD deck.
- Setup the digital audio format of DVD player, or other digital source component. Refer to the instructions for each component to be connected to digital input jacks.
- Use fiber optical cables(optical) for DIG-1,2 input jacks. Use 75 ohms coaxial cables (for digital audio or video) for DIG-3,4 input jacks.
- You can designate the input for each digital input/output jacks according to your component. See page 17.

**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 JACKS

There are two 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

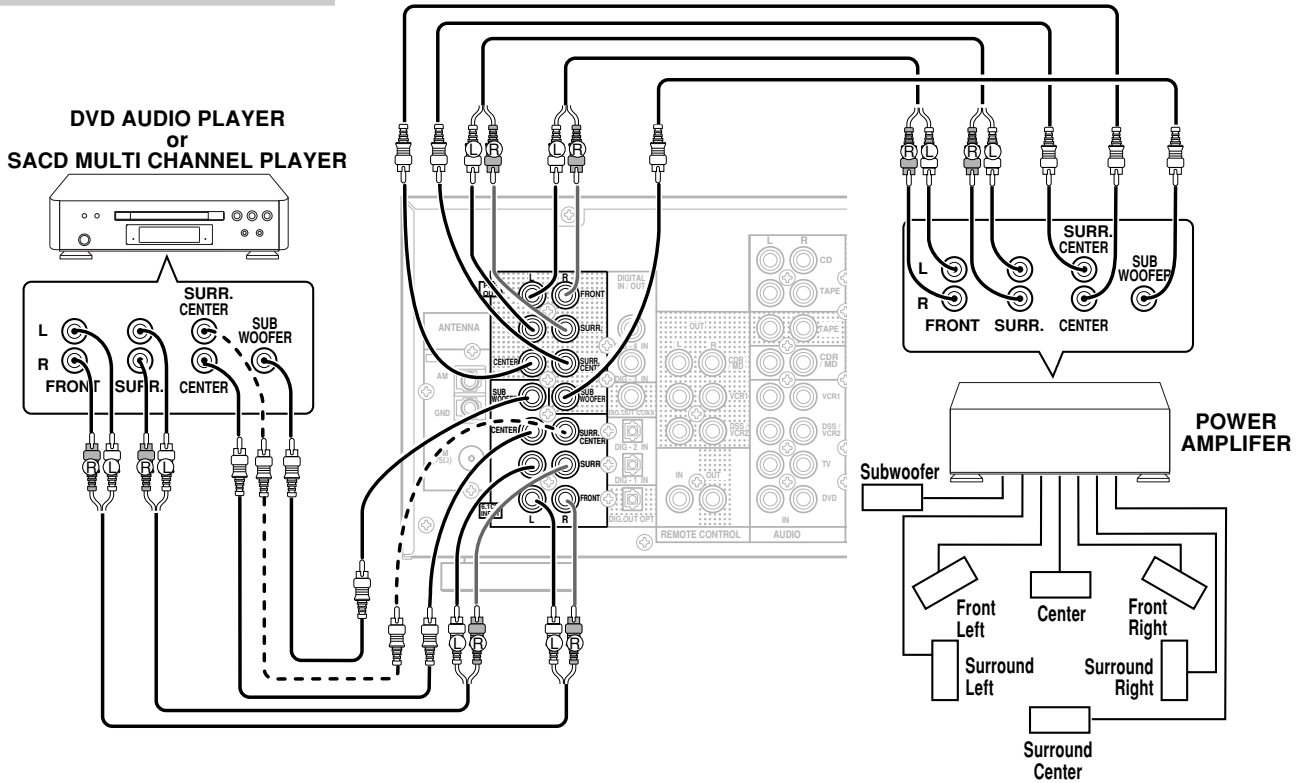
The video signal is separated into luminance(Y) and color(C) signals for the S-VIDEO jack. The S-VIDEO signals enables high-quality color reproduction. If your video component has an S-VIDEO output, we recommend to use it. Connect the S-VIDEO output jack on your video component to the S-VIDEO input jack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

### NOTES

- Be sure to connect the left and right audio channels properly. Red connectors are for the R(right) channel, and white connectors are the for L(left) channel.
- Be sure to connect input and output of video signal properly.

- If you connect the S-VIDEO signal to the S-VIDEO 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 are output to the corresponding VIDEO(composite) and S-VIDEO jacks, respectively.
- This unit has the "TV-AUTO ON/OFF" function to turn ON or OFF automatically the power by the incoming video signal from VIDEO jacks.
- You may need to setup the digital audio output format of your DVD player, or other digital source component. 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 Dolby Digital decoder to connect a video disc player with the Dolby Digital RF output jack to the digital input jack on this unit.

**ADVANCED CONNECTING**



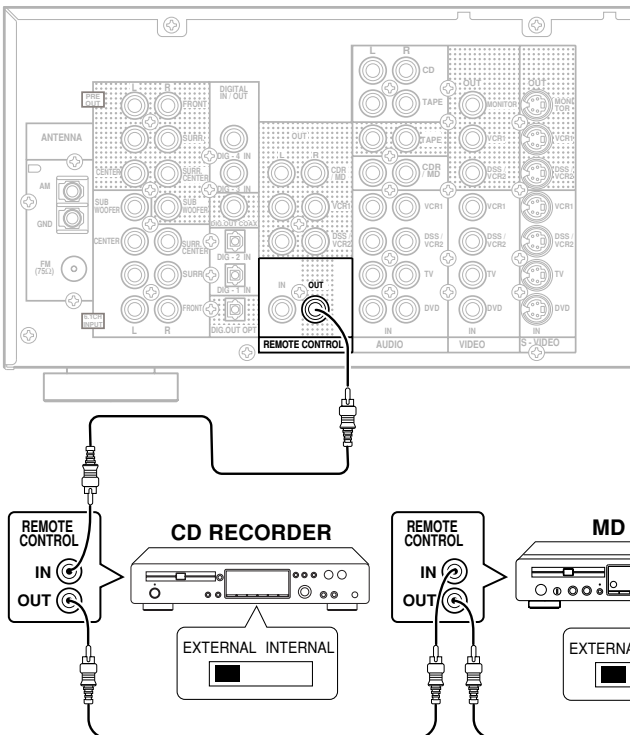
**CONNECTING MULTI CHANNEL AUDIO SOURCE**

The 6.1CH INPUT jacks are for multi channel audio source such as SACD multi channel player, DVD audio player or external decoder. If you use these jacks, switch on 6.1CH INPUT and setup 6.1CH INPUT level by using SETUP MAIN MENU. See page 20.

**CONNECTING EXTERNAL POWER AMPLIFIER**

The PREOUT jacks are for connecting external power amplifiers, you can have better sound quality. Be sure to connect each speaker to the corresponding external power amplifier.

**CONNECTING REMOTE CONTROL JACKS**

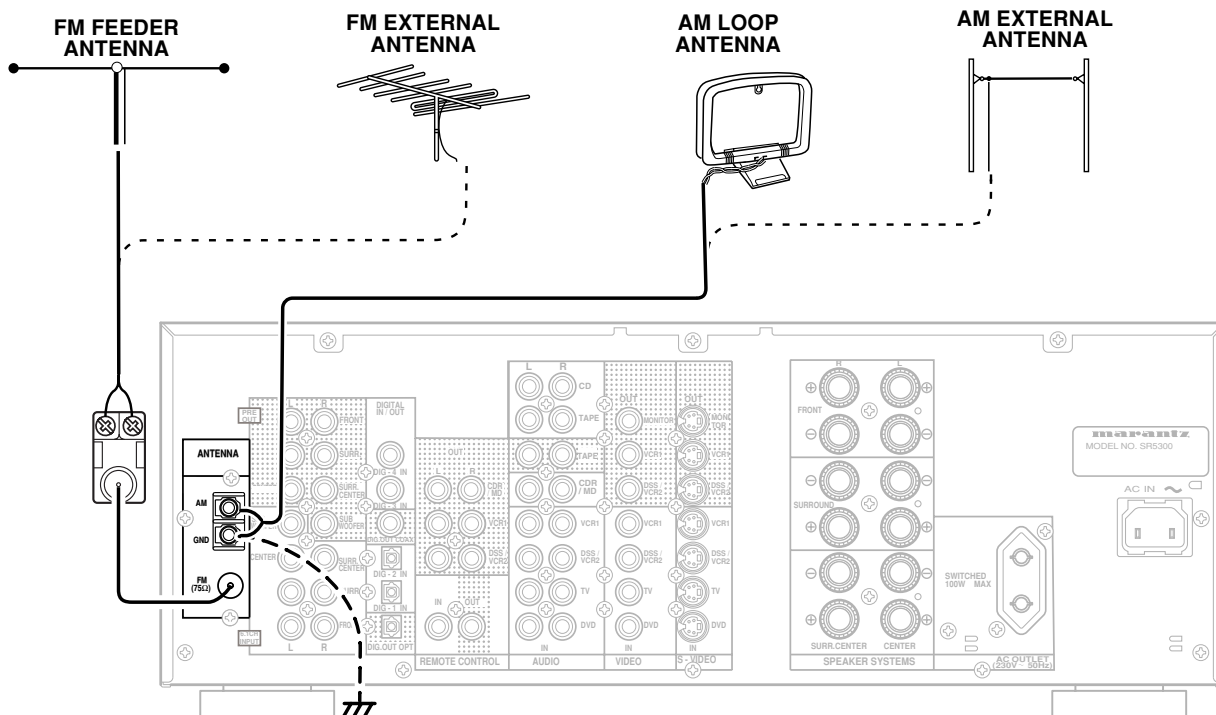


You can control other Marantz products through this unit with the remote controller by connecting REMOTE CONTROL terminals on each unit.

The signal transmitted from the remote controller 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 with this terminal, the power amplifier's power switch is synchronized with this unit's power switch.

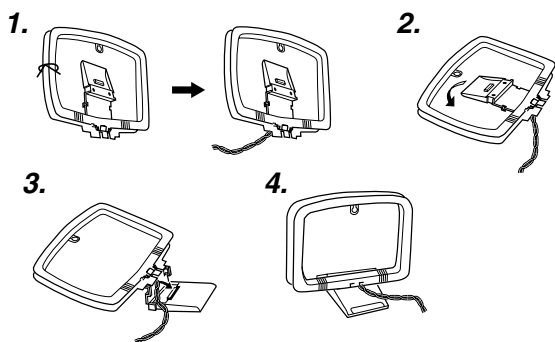
Set the REMOTE CONTROL SWITCH on the units other than this unit to EXT.(EXTERNAL) for this feature.

## CONNECTING THE ANTENNA TERMINALS



### ASSEMBLING THE AM LOOP ANTENNA

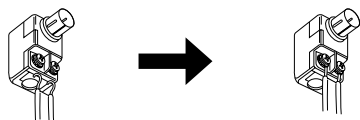
1. Release the vinyl tie and take out the connection line.
2. Bend in the reverse direction.
3. Inserting into the hole to attach the loop antenna to the antenna stand.
4. With the antenna on top any stable surface.



### CONNECTING THE ANTENNA CABLE TO THE 75/300 Ω ANTENNA ADAPTER

#### Connecting the 300 Ω ribbon wire

Loosen the screws and wrap the wire around these screws. Then tighten the screws with a screwdriver.



### CONNECTING THE SUPPLIED ANTENNAS

#### Connecting the supplied FM feeder antenna

The supplied FM feeder 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 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. Loosen the AM antenna terminal screw counterclockwise.
2. Insert the bared wire into the antenna terminal.
3. Tighten the screw by turning clockwise to secure the wire

### 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.

# SETUP

After all components are connected, initial setup must be performed.

## ON SCREEN DISPLAY MENU SYSTEM

The SR5300 incorporates an on-screen menu system, which makes various operations possible by using the cursor (▲, ▼, ◀, ▶) and OK buttons on the remote control unit.

**Notes:**

- To view the on-screen displays, make certain you have made a connection from the Monitor Out jack (VIDEO or S-VIDEO) on the rear panel to the composite, S-Video input of your TV or projector. (see page 13)
- In order to view the SR5300's displays, the correct video source must be selected on the video display.

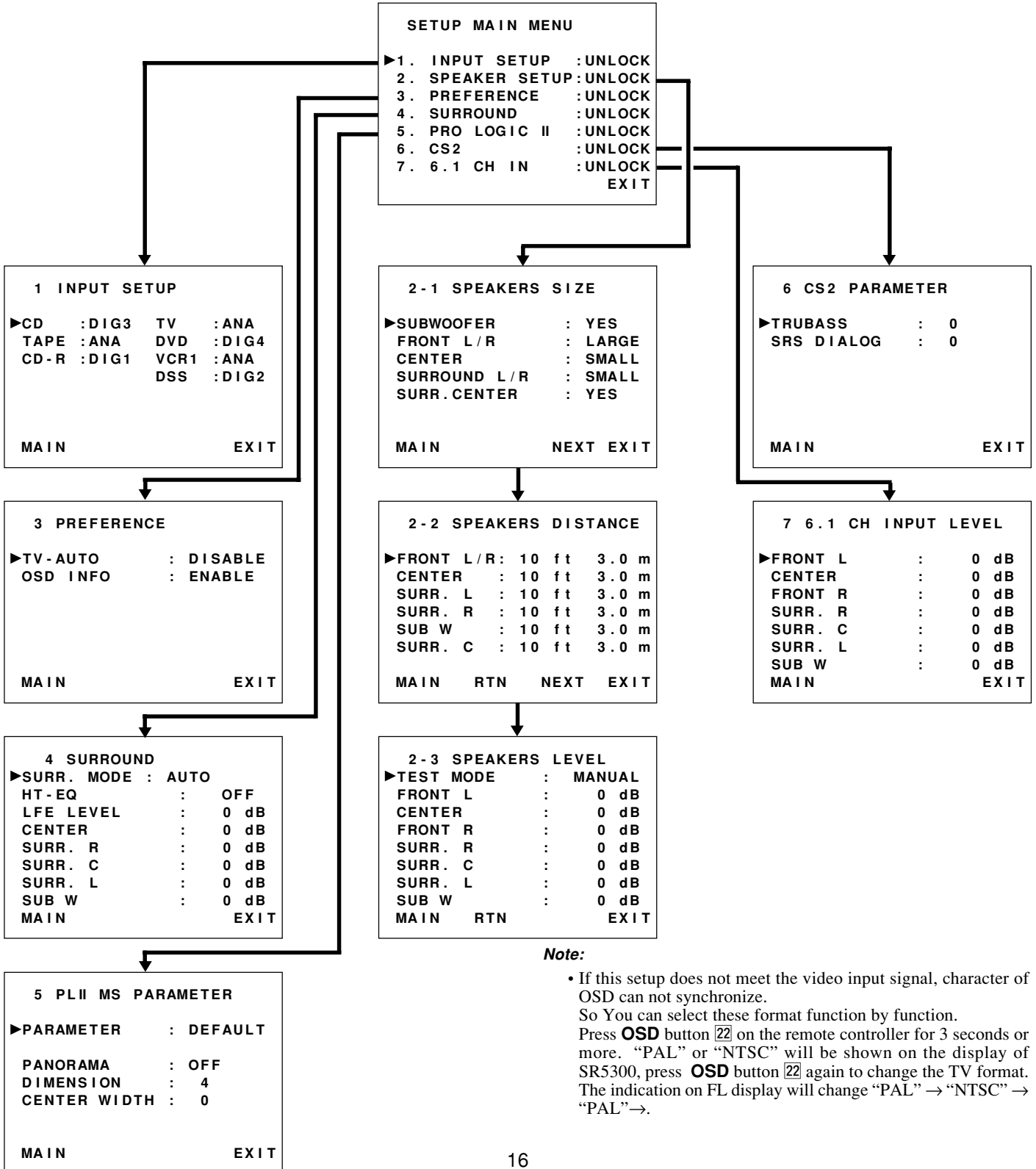
1. Select the **AMP** mode in remote controller.
2. Press **MENU** button on the remote controller to display the "SETUP MAIN MENU" of the OSD menu system. There are 7 items in the SETUP MAIN MENU.
3. Select a desired sub-menu with ▲ or ▼ cursor button, and press the **OK** button to entry.

The display will change to selected sub-menu.

You can lock the condition of setup to each sub-menu with ◀ or ▶ cursor buttons.

**Notes:** If you desire to adjust any sub-menu, you need to set UNLOCK.

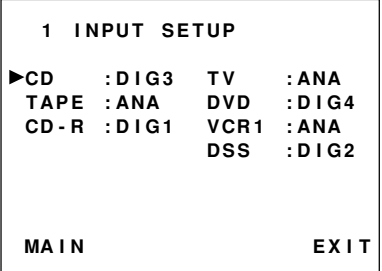
4. If you desire to exit from this menu system, press **MENU OFF** button or move the cursor to **EXIT** and press the **OK** button.



## INPUT SETUP (ASSIGNABLE DIGITAL INPUT)

Four digital inputs can be assigned as the desired source. Use this menu to select the digital input jack to be assigned to the input source.

1. Select "INPUT SETUP" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the OK button.



2. To select the input source, press ▲ or ▼ cursor button.
3. To select the digital input jack, press ◀ or ▶ cursor buttons. Select "Dig x" for input sources, for fixed the digital input jack. Select "ANA" for input sources for which no digital input jacks are used.
4. If you finish the setup in this sub-menu, move cursor to MAIN with ▲ or ▼ cursor buttons and press OK button.

**Notes:**

- The TUNER and AUX are fixed to the analog input, and cannot be selected for any digital input.
- When a DTS-LD or DTS-CD is playing, this setup is not available. This is to avoid noise being generated from the analog input.

## SPEAKER SETUP

After you have installed the SR5300, 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:

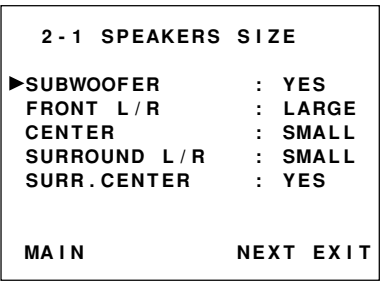
### SPEAKER SIZE

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 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 may be output from both the left and right speakers.



1. Select "SPEAKER SETUP" in MAIN SETUP MENU with ▲ or ▼ cursor button, and press the OK button.
2. To select the each speaker, press ▲ or ▼ cursor button.

3. To select the setting of size to each speaker, press ◀ or ▶ cursor buttons.
4. If you finish these setup, move cursor to "NEXT" with ▲ or ▼ cursor button and then press OK button to go to 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 sized.  
**SMALL:** Select if the front speakers are small sized.

- 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 sized.  
**SMALL:** Select if the center speaker is small sized.

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

**SURR. CENTER**

**YES:** Select when a surround center is connected.  
**NONE:** Select when a surround center is not connected.

- If "NONE" is selected for the Surround L/R setting, then this setting is not available.

**SPEAKER DISTANCE (TIME ALIGNMENT)**

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 SR5300 and today's sound systems are able to produce.

Note that the speakers that you selected "NONE" for in the Speaker Config 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.)

| 2 - 2 SPEAKERS DISTANCE |       |       |      |
|-------------------------|-------|-------|------|
| ▶FRONT L / R :          | 10 ft | 3.0 m |      |
| CENTER :                | 10 ft | 3.0 m |      |
| SURR. L :               | 10 ft | 3.0 m |      |
| SURR. R :               | 10 ft | 3.0 m |      |
| SUB W :                 | 10 ft | 3.0 m |      |
| SURR. C :               | 10 ft | 3.0 m |      |
| MAIN                    | RTN   | NEXT  | EXIT |

- To select the each speaker , press ▲ or ▼ cursor button.
- To set the distance for each speaker , press the ◀ or ▶ cursor buttons.
- If you finish these setup, move cursor to "NEXT" with ▲ or ▼ cursor button and then press OK button to go to next page.

**FRONT L/R :** Set the distance from the front left/right speaker to your normal listening position between 1 and 30 feet in 1.0 foot interval (0.3 to 9 meters in 0.3-meter intervals).

**CENTER :** Set the distance from the center speaker to your normal listening position between 1 and 30 feet in 1.0 foot interval (0.3 to 9 meters in 0.3-meter intervals).

**SURR. L :** Set the distance from the surround left speaker to your normal listening position between 1 and 30 feet in 1.0 foot interval (0.3 to 9 meters in 0.3-meter intervals).

**SURR. R :** Set the distance from the surround right speaker to your normal listening position between 1 and 30 feet in 1.0 foot interval (0.3 to 9 meters in 0.3-meter intervals).

**SUB W :** Set the distance from the subwoofer to your normal listening position between 1 and 30 feet in 1.0-foot intervals (0.3 to 9 meters in 0.3-meter intervals).

**SURR. C :** Set the distance from a surround center speaker to your normal listening position between 1 and 30 feet in 1.0-foot intervals (0.3 to 9 meters in 0.3-meter intervals).

**Notes**

- Speakers that you selected "NONE" for in the Speaker Size menu will not appear.

**SPEAKERS LEVEL**

Here you will set the volume for each speaker so that they are all heard by the listener at the same level.

**Note:**

- The speaker level settings is not available in 6.1channel input mode and S-Direct mode.

| 2 - 3 SPEAKERS LEVEL |        |      |
|----------------------|--------|------|
| ▶TEST MODE :         | MANUAL |      |
| FRONT L :            | 0 dB   |      |
| CENTER :             | 0 dB   |      |
| FRONT R :            | 0 dB   |      |
| SURR. R :            | 0 dB   |      |
| SURR. C :            | 0 dB   |      |
| SURR. L :            | 0 dB   |      |
| SUB W :              | 0 dB   |      |
| MAIN                 | RTN    | EXIT |

**TEST MODE :** Selects "MANUAL" or "AUTO" for generating mode of test tone ◀ or ▶ cursor button.

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

Using the ◀ and ▶ cursor buttons, adjust the volume level of the noise from the speaker so that it is the same level for all speaker.

If you select "MANUAL", adjust the output level of each speaker as follows.

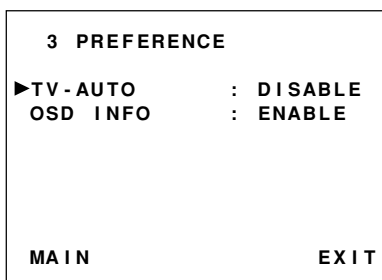
- When you move cursor to FRONT L by pressing ▼ cursor button, the SR5300 will emit a pink noise from the front left speaker. At this time, the master volume automatically increases to the reference level (0 dB). Remember the level of this noise and then press the ▼ cursor button. (Note that this can be adjusted to any level between -10 and +10 dB in 1 dB intervals.) The SR5300 will now emit the pink noise from the center speaker.
- Using the ◀ and ▶ cursor buttons, adjust the volume level of the noise from the center speaker so that it is the same level as the front left speaker.
- Press the ▼ cursor button again. The SR5300 will now emit the pink noise from the front right speaker.
- Repeat steps 2 and 3 above for the front right and other speakers until all speakers are adjusted to the same volume level.

If you finish these setup, press OK button, the cursor will move to "MAIN" and then press OK button to go to SETUP MAIN MENU.

**Notes:**

- Speakers that you selected "NONE" for in the Speaker Size menu will not appear.
- The setup level for each channel is memorized for reproduction in all surround mode.
- To adjust the speaker levels for 6.1-channel input sources, you will need to use the 6.1CH-INPUT sub menu. (See page 20).

## PREFERENCE



1. Select "PREFERENCE" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the **OK** button.
2. To select a desired content, press ▲ or ▼ cursor button.

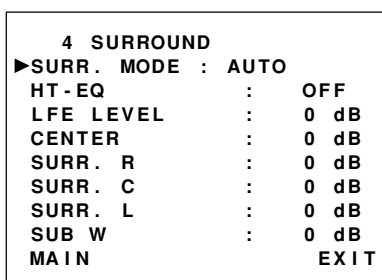
**TV AUTO:** Select the TV AUTO ON/OFF function to enable or disable with ◀ or ▶ cursor button.  
(refer to page 23)

**OSD INFO:** Select the OSD information function to enable or disable with ◀ or ▶ cursor button.

If you select "ENABLE", SR5300 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".

If you finish the setup in this item, move cursor to "MAIN" with ▲ or ▼ cursor buttons and press **OK** button.

## SURROUND



1. Select "SURROUND" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the **OK** button.
2. To select a desired content, press ▲ or ▼ cursor button.

**SURR-MODE:** Select the desired surround mode with ◀ or ▶ cursor button.

**HT-EQ:** Select to activate the HT (Home Theater)-EQ with ◀ or ▶ cursor button.

This mode compensates for the audio portion of a movie sounding "bright".

This equalizer is effective in Auto, DOLBY, DTS and SEREO mode.

When "HT-EQ" indicator lights up, this mode is active.

**LFE LEVEL:** Select the output level of the LFE signal included in the Dolby Digital signal or the DTS signal.

Select 0dB, -10 dB or OFF with ◀ or ▶ cursor button.

**Note:** If LFE signal is too loud and subwoofer output is distorted, set LFE level to -10 dB.

**CENTER:** Adjust the volume level of the center speaker between -10 dB and +10 dB in 1 level interval with ◀ or ▶ cursor button.

**SURR. R:** Adjust the volume level of the surround right speaker between -10 dB and +10 dB in 1 level interval with ◀ or ▶ cursor button.

**SURR. C:** Adjust the volume level of the surround center speaker between -10 dB and +10 dB in 1 level interval with ◀ or ▶ cursor button.

**SURR. L:** Adjust the volume level of the surround left speaker between -10 dB and +10 dB in 1 level interval with ◀ or ▶ cursor button.

**SUB W:** Adjust the volume level of the subwoofer speaker between -15 dB and +10 dB in 1 level interval with ◀ or ▶ cursor button.

If you finish the setup in this item, move cursor to "MAIN" with ▲ or ▼ cursor buttons and press **OK** button.

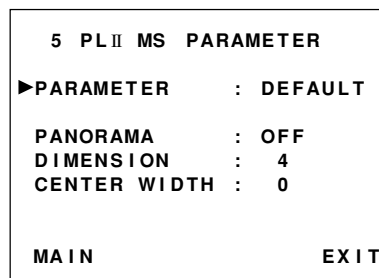
**Note:**

- CENTER, SURR.R, SURR. C, SURR. L, and SUB W volume level are synchronized with SETUP MAIN MENU 2-3 Speaker Level.

## PLII (PRO LOGICII) MS PARAMETER

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

In this mode, SR5300 includes three controls to fine-tune the soundfield as follow.



Select "PRO LOGIC II" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the **OK** button.

**PARAMETER:** Select "DEFAULT" or "CUSTOM" with ◀ or ▶ cursor button

If you select "CUSTOM", you can adjust three parameters as follow

**PANORAMA:** Select the Panorama mode On or Off with ◀ or ▶ cursor button.

Panorama wraps the sound of the front left and right speakers around you for an exciting perspective.

**DIMENSION:** Set the Dimension level between 0 and 6 level in 1 level interval with ◀ or ▶ cursor button.

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 level in 1 level interval with ◀ or ▶ cursor button.

Center Width allows you to gradually spread the center channel sound into the front left and right speakers.

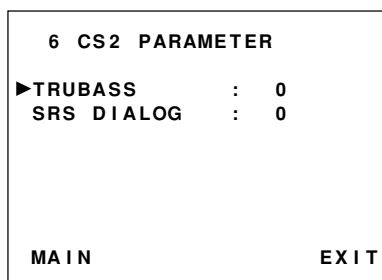
At its widest setting, all the sound from the center is mixed into the left and right.

This control may help achieve a more spacious sound or a better blend of the front image.

If "NONE" was selected for the Center speaker setting in the Speaker size, then this setting will not appear.

If you finish the setup in this menu, move cursor to "MAIN" with ▲ or ▼ cursor buttons and press **OK** button.

## CS2 (CIRCLE SURROUND II) PARAMETER



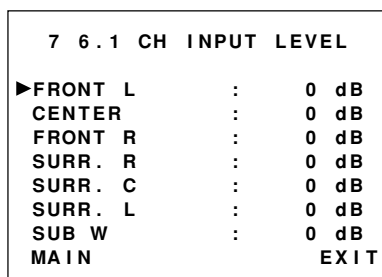
1. Select "CS2" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the **OK** button.
2. To Select desired contents as below, press ▲ or ▼ cursor button  
**TRUBASS:** Set the TRUBASS level between 0 and 6 level in 1 level interval with ◀ or ▶ cursor button.  
 TRUBASS produced by the speakers to be 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 level in 1 level interval with ◀ or ▶ cursor button.  
 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, then this setting will not appear.

If you finish the setup in this menu, move cursor to "MAIN" with ▲ or ▼ cursor buttons and press **OK** button.

## 6.1 CH INPUT LEVEL

This sub-menu is to adjust the speaker levels for 6.1-channel input sources.

Here you will adjust the volume for each channel so that they are all heard by the listener at the same level.



1. Select "6.1CH IN" in SETUP MAIN MENU with ▲ or ▼ cursor button, and press the **OK** button.
2. To Select desired channel , press ▲ or ▼ cursor button.
3. Using the ◀ or ▶ cursor buttons, adjust the volume level of each channel.
4. If you finish the setup in this menu, move cursor to "MAIN" with ▲ or ▼ cursor buttons and press **OK** button.

### Note:

- The condition of these setup will be memorized to 6.1CH INPUT source.



# BASIC OPERATION

## LISTENING TO THE TUNER

### MANUAL TUNING

1. To select the tuner as the source, press the **TUNER** button ⑤ on the front panel or press the **TUNER** button ③ on the remote.
2. Press the **TUNER** button ⑤ on the front panel or press the **TUNER** button ③ on the remote to select the desired frequency band if required.
3. Press the **F/P** button ⑮ on the front panel to display the frequency.
4. Press the **TUNING/PRESET ▲** or **▼** button ⑭ on the front panel or press the **◀◀** or **▶▶** button ⑫ on the remote.
5. If FM is selected, press the **MODE** button ⑯ on the front panel or press the **MODE** button ⑫ on the remote control to select the desired audio mode.

### (FM) MODE BUTTON OPERATION

When "AUTO" indicator is on in the display, FM stations that broadcast in stereo will be received in stereo and the "STEREO" indicator lights.

When "AUTO" indicator is off, all the FM stations will be received in mono regardless of whether or not they are broadcasting in stereo.

### AUTO TUNING (USING THE SR5300)

1. Press the **F/P** button ⑮ on the front panel to display the frequency.
2. Press the **TUNING/PRESET ▲** or **▼** button ⑭ on the front panel for more than 1 second to start the Auto tuning function.

### AUTO TUNING (USING THE REMOTE CONTROL UNIT)

Press **◀◀** or **▶▶** button ⑫ for more than 1 second to start the Auto tuning function.

### PRESET TUNING

With this unit you can preset up to 30 FM/AM stations in any order. For each station, you can memorize the frequency and reception mode if desired.

#### 1-a. Manual Presetting (Using the SR5300)

1. Refer to the "MANUAL TUNING" or "AUTO TUNING" section above to tune in a desired station.
2. Press the **MEMORY** button ⑬. "MEMO" indicator starts blinking on the display.  
While "MEMO" is still blinking (approx. 5 seconds), select the preset number by pressing the **TUNING/PRESET ▲** or **▼** button ⑭ then press the **MEMORY** button ⑬ again.
3. When a number has been properly input, "MEMO" indicator stops blinking and goes out.  
The station is now stored in the specified preset memory location.

#### 1-b. Manual Presetting (Using the remote control unit)

1. Tune in a desired station.
2. Press the **MEMO** button ⑬.
3. Enter the desired preset number with ten keypad ⑨.
4. Then, press **MEMO** button ⑬ again to store.

#### 2. Auto Presetting

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

1. Press and hold down the **MEMORY** button ⑬ and **TUNER** button ⑤ simultaneously, auto presetting will start.
2. "MEMO" will blink on the display.
3. Each time the tuner finds a station, the scanning will pause and memory. Auto presetting will starts.
4. Operation stops automatically when all 30 preset memory positions are filled or when auto scanning attains the highest end of all bands.  
To stop the auto preset function at anytime, press the **CLEAR** button ⑫.

#### 3. Recalling a Preset Station

1. Press the **F/P** button ⑮ to change the display to preset.
2. Select the desired preset station by pressing **TUNING/PRESET ▲** or **▼** button ⑭ on the front panel or press **CHANNEL** button ⑫ on the remote.

#### Note:

- To directly access the preset stations using the numeric keypad, select the desired preset station by entering one or two digits using the numeric keypad ⑨.
- To return to the Manual Tuning mode, press the **F/P** button ⑮.

#### 4. Preset Scan Tuning (Using the remote control unit)

1. Press the **P.SCAN** button ⑩ on the remote control. (The preset station with the smallest preset number is recalled first. If no stations have been preset, "NO PRESET" shows in the display and the unit returns to the previous mode.)
2. Preset stations are recalled in sequence (CH-1 → CH-2, etc.) for 5 seconds each. Preset numbers that do not contain stations are skipped.
3. You can fast forward the preset stations by pressing the **CHANNEL ▶▶** button ⑫ continuously.  
When the desired preset station is received, cancel the preset scan operation by pressing the **CHANNEL ◀◀** button ⑫ or the **CLEAR** button ⑫.

#### 5. Clearing Preset Stations

You can remove preset stations from 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 **CLEAR** button ⑫ on the front panel or **CLEAR** button ⑫ on the remote control unit for 3 seconds or more.  
"CLEAR" appears on the display to indicate that the specified preset number has been cleared.

#### 6. Frequency Direct Call

1. Press **F.DIRECT** button ⑫ in the TUNER mode on the remote controller.
2. Display shows "FM- --. -- MHz" (at FM mode).
3. Input your desired frequency with tenkeypad buttons on the remote controller.  
Eg) 98.1 MHz  
Press **9, 8, 1** and **0**
4. Display fixed 98.10 MHz and broadcast station received.

**STATION NAME PRESET (On PRESET display mode)**

The station name preset function allows the name of each preset channel to be entered using alphanumeric characters. The Station Name button is valid only in the tuner mode. Before station name preset operation, store stations with the preset memory operation.

1. Press the **MEMORY** button [13] on the front panel or **MEMO** button [16] on the remote for more than 3 seconds.
2. The left most column of the station name indicator flashes, indicating the character entry ready status.

**[Operation (Using the SR5300)]**

3. When you press the **TUNING/PRESET** ▲ or ▼ buttons [14] is turned, alphabetic and numeric characters will be displayed in the following order:  
**A → B → C ... Z → 1 → 2 → 3... 0 → - → + → / → (Blank) → A**  
**UP →**  
**← DOWN**
4. After selecting the first character to be entered, press the **MEMORY** button [13]. The entry in this column is fixed and the next column starts to flash. Fill the next column and press the **MEMORY** button [13] for more than 1 second to confirm the entry.

**[Operation (Using the remote control unit)]**

First, press the **TUNER** button [3] on the remote control unit. (This operation is not necessary if the remote control unit has already been operated in the TUNER mode.)

3. Enter the character using the ten keypad [9]. For example, to enter "A":  
 1) Press the "1" button. "A" appears on the display column.  
 2) Every time the 1 button is pressed, the displayed character changes in the order: **A → B → C → 1 → A...**  
 Pressing buttons other than the "1" button cause different characters to be displayed in a similar way, so that other alphanumeric characters can be entered. To enter a blank or space, press the "9" button.
4. When the desired character is displayed, press the **MEMO** button [16] to confirm the entry in this column and move to the next column. After having filled all of the 8 columns, press the **MEMO** button [16], for more than 1 second to confirm the entry.

**RDS OPERATION**

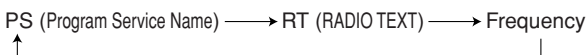
Now in use in many countries, RDS (Radio Data System) is a description of the station's programming hidden space in the FM signal. Your new receiver is equipped with RDS to assist in the selection of FM stations using station and network names, rather than broadcast frequencies. Additional RDS functions include the ability to search for programme types.

**RADIO TEXT**

Some RDS stations broadcast RADIO TEXT, which is additional information on the station and programme being broadcast. RADIO TEXT information appears as 'running' text in the display. RADIO TEXT is transmitted character-by-character by the radio station. As a result of that it may take some time until the entire text has been completely received.

**RDS DISPLAY**

When a receiver is tuned to an FM station that is transmitting RDS data, the Front Panel Information Display will automatically show the station name or RDS TEXT in place of the typical display of the station's broadcast frequency. To change the display, press the **RDS** button [12] on the remote controller.



**PROGRAMME TYPE (PTY) DISPLAY**

The RDS system categorizes programmes according to their genre into different programme type (PTY) groups. To display the programme type information of the current station, press the **PTY** button [12] in the TUNER MODE on the remote controller.

**PTY AUTO SEARCH**

Your receiver is equipped to automatically search for stations transmitting any of 29 different programme types. To search for a PTY, follow these procedures:

1. Press the **PTY** button [12] in the TUNER MODE on the remote controller. The current station's PTY will be displayed, or the currently selected PTY group will be displayed in blinking if no station or RDS data is present.
2. To change to a new PTY type, press the **CHANNEL** button [12] until the desired PTY is shown in the display.
3. Once the desired PTY group or type has been selected, press the **PTY** button [12] while the display blink (approx. 5 seconds). The PTY Auto search will start, and the tuner will pause at each station broadcasting RDS PTY information corresponding to the selected choice.
4. To advance to the next RDS station with the desired PTY, press the **PTY** button [12] again within 5 seconds.

| NUMBER | DISPLAY  | PROGRAMME TYPE        |
|--------|----------|-----------------------|
| 1      | POP      | Pop Music             |
| 2      | ROCK     | Rock Music            |
| 3      | MOR      | M. O. R. Music        |
| 4      | LIGHT    | Light classical       |
| 5      | CLASSIC  | Serious classical     |
| 6      | NEWS     | News                  |
| 7      | AFFAIR   | Current Affairs       |
| 8      | INFO     | Information           |
| 9      | SPORT    | Sport                 |
| 10     | EDUCATE  | Education             |
| 11     | DRAMA    | Drama                 |
| 12     | CULTURE  | Culture               |
| 13     | SCIENCE  | Science               |
| 14     | OTHERS   | Varied                |
| 15     | OTHER    | Other Music           |
| 16     | WEATHER  | Weather               |
| 17     | FINANCE  | Finance               |
| 18     | CHILDREN | Children's programmes |
| 19     | SOCIAL   | Social Affairs        |
| 20     | RELIGION | Religion              |
| 21     | PHONE IN | Phone In              |
| 22     | TRAVEL   | Travel                |
| 23     | HOBBIES  | Hobbies               |
| 24     | JAZZ     | Jazz Music            |
| 25     | COUNTRY  | Country Music         |
| 26     | NATION   | National Music        |
| 27     | OLDIES   | Oldies Music          |
| 28     | FOLK     | Folk Music            |
| 29     | DOCUMENT | Documentary           |

## PLAYBACK OPERATION

### NORMAL PLAYBACK

1. Press the **POWER** button ① / ②.
2. Press the **FUNCTION SELECTOR** button ⑤ on the front panel or press the **FUNCTION** button ③ on the remote unit to select an input source.
3. Turn the **SURROUND MODE SELECTOR** knob ③ on the front panel or Surround mode buttons ⑨ in the AMP MODE on the remote unit to select the desired surround mode.
4. Adjust the volume level using the **VOLUME** knob ④ on the front panel or press the **MAIN VOL.** button ④ on the remote. If necessary, adjust the tone, press the **TREBLE▲**, **TREBLE▼** ⑭ and **BASS▲**, **BASS▼** ⑮ on the remote unit.

#### Note:

- In case of remote control operation, press one of the function buttons twice within 2 seconds to select the function.

### LISTENING TO A DIFFERENT AUDIO SOURCE WHILE WATCHING A VIDEO SOURCE (Using the remote control unit)

1. Select one of the following video sources  
TV, DVD, VCR1, DSS/VCR2 or AUX.
2. Next, select one of the following audio sources  
FM, AM, CD, TAPE, or CDR/MD.

## TV AUTO ON/OFF FUNCTION

This function allows the component connected to the TV IN jack to control the power (ON/OFF) to the SR5300.

### AUTO POWER ON

1. Be sure TV auto mode is enable. (Refer page 19 : PREFERENCE)
2. Connect your TV TUNER (etc) to the TV IN terminal.  
Be sure to connect the video input.
3. Turn OFF the power to the TV TUNER and the SR5300 will be in standby mode.
4. Turn ON the TV TUNER and tune in a receivable station.
5. When the station is received, the SR5300 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 SR5300 switches to STANDBY after approximately 5 minutes.

#### Note:

- AUTO POWER OFF is canceled if the **FUNCTION SELECTOR** button ⑤ is set to a source other than TV. The function reactivates when TV is selected again.

#### Caution:

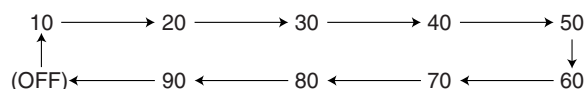
- Some TV broadcasts may cause the TV AUTO FUNCTION to turn on.
- S-Video terminal does not support "TV AUTO ON/OFF" function.

## SETTING THE SLEEP TIMER

Set the sleep timer while the power is turned on.

1. Turn the power ON and press the **SLEEP** button ⑨ / ⑳.
2. Press the **SLEEP** button ⑨ / ⑳ the number of times to set the desired sleep time in minutes.

Each press of the **SLEEP** button ⑨ / ⑳ or changes the display in the following order:



The unit will shut off in the number of minutes indicated.

- \* While the sleep timer is activated, the remaining time can be displayed for approximately 2 seconds by pressing the **SLEEP** button ⑨ / ⑳.
- \* To cancel the Sleep timer, press the **SLEEP** button ⑨ / ⑳ until the display shows to "SLEEP OFF" and the SLEEP indicator disappear.

# ON SCREEN DISPLAY INFORMATION



The on-screen display, which can be activated by the Main unit or remote, appears on the TV screen to show the current setting status of the SR5300.

## Note:


- SR5300 can set PAL or NTSC for TV format of OSD.

If this setup does not meet the video input signal, character of OSD can not synchronize.

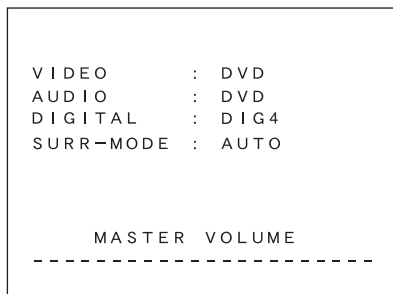
So You can select these format function by function.

Press **OSD** button  on the remote controller for 3 seconds or more. "PAL" or "NTSC" will be shown on the display of SR5300, press **OSD** button  again to change the TV format. The indication on FL display will change "PAL" → "NTSC" → "PAL"→.

## 1. GENERAL INFORMATION

When the **OSD** button  is pressed, the current setting are displayed on the TV monitor.

This display disappears automatically in about 5 seconds after the button is pressed.



### ① VIDEO SOURCE:

Displays the current video source being selected with the function selector **TV, DVD, VCR1, DSS** or **AUX**.

### ② AUDIO SOURCE:

Displays the current audio source being selected with the function selector **FM, AM, CD, TAPE, CD-R, TV, DVD, VCR1, DSS** or **AUX**.

### ③ DIGITAL INPUT:

Displays the digital input that you are using **DIG-1, DIG-2, DIG-3** or **DIG-4**.

### ④ SURROUND MODE:

Displays the current surround mode

**AUTO, DOLBY D, DOLBY D EX, PLII MOVIE, PLII MUSIC, PRO LOGIC, DTS, DTS ES, NEO:6 CINEMA, NEO:6 MUSIC, MULTI CH. ST, CS2 CINEMA, CS2 MUSIC, CS2 MONO, VIRTUAL, MOVIE, HALL, STADIUM, MATRIX, STEREO**

## Note:

- Not all modes will be present depend on selected input.

### ⑤ MASTER VOLUME

Displays the current volume level.

The volume level is higher at the right of the display.

## Notes:

- The On-Screen Display signals can be output from the TV MONI composite video (RCA) output and the TV MONI S-Video output jacks.
- When you connect both the composite video and S-VIDEO, there will be no signal output from composite video jack.
- With some video equipment or software, the On-Screen Display characters may be distorted due to noise or tracking adjustment error.

## 2. FUNCTION SELECT & SURROUND MODE

When a function selector button or surround mode button is pressed

**VIDEO:** Displays the current video source. When TV, DSS, DVD, VCR1 or AUX is selected with the function selector, both AUDIO and VIDEO shows the same name.

**AUDIO:** Displays the current analog audio input source.

**DIGITAL:** Displays the current digital input source.

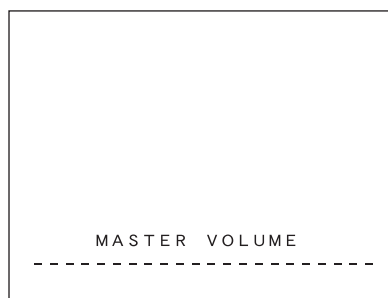
**SURR-MODE:** Displays the current Surround mode.

```


VIDEO      : DVD
AUDIO      : DVD
DIGITAL    : DIG4
SURR-MODE  : AUTO
  
```


## 3. MASTER VOLUME CONTROL

Displayed when the MASTER volume is varied or a button of the remote control unit is pressed.





## 4. MUTE



When the **MUTE** button  is pressed, "MUTE ON" will be shown on screen.

Pressing **MUTE** button  again will show "MUTE OFF" on screen, and return to the previous volume level.



## 5. SLEEP TIMER

When the **SLEEP** button  /  is pressed, the setting on or off and the remaining time of the sleep timer function are displayed.

You can change the mode between on, off and the amount of time to elapse before the unit will shut itself off by cycling the **SLEEP** button  / .



# SURROUND MODE

The SR5300 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 or PCM-audio.

Surround EX & DTS-ES will operate for multi channel 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 II movie processing before play.

PCM 96 kHz source material 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 is input for using mode, the mode is changed to AUTO mode automatically. Refer to page 27 to confirm the available decoding mode.

## DD MODE

*(Dolby Digital, Pro Logic II MOVIE, Pro Logic II MUSIC, PRO LOGIC)*

This mode is used with source materials encoded in Dolby Digital and Dolby Surround.

## **DOLBY DIGITAL**

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

Playing multi-channel encoded 5.1-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 II 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.

Dolby Pro Logic II has below 3 modes.

### **Pro Logic II MOVIE**

This mode provides 5.1 channel surround sound from Dolby Surround encoded stereo movie sound tracks.

### **Pro Logic II MUSIC**

This mode provides 5.1 channel surround sound from conventional stereo sources, analog or digital, such as CD, tape, FM, TV, stereo VCR, etc.

### **PRO LOGIC**

This mode emulated original Dolby Pro Logic decoding (3/1 surround) suit for Dolby Surround encoded stereo movie soundtracks.

### **Notes:**

- Pro Logic II mode is available to 2ch input signal which is encoded 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 Center, 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 center speaker(s).

### **DTS-ES (Discrete 6.1, Matrix 6.1)**

DTS-ES adds the surround center channel audio to the DTS 5.1-channel format to improve the acoustic positioning and makes acoustic image movement more natural with the 6.1-channel reproduction.

This receiver incorporates a DTS-ES decoder, which can handle DTS-ES Discrete-encoded and DTS-ES Matrix-encoded program sources from DVD, etc..

DTS-ES Discrete 6.1 features digital discrete recording of all channels including the surround center channels and higher quality of audio reproduction.

DTS-ES is not available in the system without surround center speaker.

## dts MODE

*(dts, Neo:6 Cinema, Neo6: Music)*

This mode is for DTS encoded source materials such as LASER DISC, CD, and DVD and some 2channel signal source.

**dts** : This mode is enabled when playing source materials encoded in dts multi channel.

Playing multi-channel encoded 5.1-channel dts sources provides five main audio channels (left, center, right, surround left and surround right) and Low Frequency Effect channel.

dts-ES decoding is not available in this mode.

The DTS mode cannot use when an analog input has been selected.

### **Neo:6 Cinema, Neo6: Music**

This mode decodes 2-channel signals into 6-channel signals using high-accuracy digital matrix technology.

The DTS NEO:6 decoder has near-discrete properties in the frequency characteristics of the channels as well as in channel separation.

According to the signals to be played back, DTS NEO:6 uses either the NEO:6 CINEMA mode optimized for movie playback or the NEO:6 MUSIC mode optimized for music playback.

### **Note:**

- PCM-audio (32 kHz, 44.1 kHz or 48 kHz) and analog source material can playback in this mode.

## 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.

## CIRCLE SURROUND II (CSII-CINEMA, CSII-MUSIC, CSII-MONO)

Circle Surround is designed to enable multi-channel surround sound playback of non-encoded and multi-channel 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.

Regarding to source material, you can select **CSII-Cinema** mode, **CSII-Music** mode or **CSII-Mono** mode.

### **Note:**

- PCM-audio (32 kHz, 44.1 kHz or 48 kHz) and analog source material can playback in this mode.

**VIRTUAL**

This mode creates a virtualized surround sound experience from a two-speaker (front L and R) playback system playing any multi-channel audio source (such as found on DVDs and digital broadcasts), including Dolby Digital, Dolby Pro Logic or DTS. SRS TruSurround, SRS and  symbol are trademarks of SRS Labs, Inc. SRS TruSurround technology is incorporated under license from SRS Labs, Inc.

**DSP SURROUND (MOVIE, HALL, STADIUM, MATRIX)**

These modes provide surround effect processing from each input source material. They will produce theater, concert hall and stadium like atmospheres. Select as your taste desires.

**Note:**

- PCM-audio (32 kHz, 44.1 kHz or 48 kHz) and analog source material can playback in this mode.

**STEREO**

This mode bypasses all surround processing. 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 multi-channels are converted to two channel stereo. 96 kHz PCM source material can be playback in stereo mode.

**S (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. 96 kHz PCM source material can be play back in this mode.

**Notes:**

- Internal speaker size is setup to front L/R = Large, Center = Large, Surround L/R = Large and Subwoofer = yes automatically. Tone controls and additional processing are also defeated.
- When you use this mode with certain DVD and CD players, performing operations such as "Skip" or "Stop" may momentarily interrupt the output.

**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 SR5300 digitally. This is because the digital signal has been processed (such as the output level, sampling frequency, or frequency response) and the SR5300 cannot recognize the signal as DTS data.
- \* Depending on the player used, DTS play may produce short noise. This is not a malfunction. In such cases, select the surround mode the "DTS" or "DTS-ES".
- \* If DTS cinema, DTS music or DTS-ES mode is selected, digital input cannot be switched to analog input.
- \* When the analog input function has been selected, Surround mode cannot be switched to DTS cinema, DTS music or DTS-ES mode.
- \* 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 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, Source- 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 SR5300 will be muted.
- \* Certain DVD player models inhibit digital output. For details, refer to the player's operation manual.
- \* Some DVD formatted discs featured 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.

### The relation between the selected surround mode and the input signal

The surround mode is selected with the surround mode selector knob of the SR5300 or the remote control unit. However, the sound from the speakers depend upon the relationship between the selected surround mode and the input signal. They are as follows;

| SURROUND MODE               | INPUT SIGNAL              | OUTPUT CHANNELS      |   |      |    |    | FLUORESCENT INDICATOR              |                             |
|-----------------------------|---------------------------|----------------------|---|------|----|----|------------------------------------|-----------------------------|
|                             |                           | L/R                  | C | SLSR | SC | SW | FORMAT STATUS & SURROUND MODE      | TEMPORARY DISPLAY STATUS    |
| AUTO                        | DOLBY DIGITAL(5.1CH)      | ○                    | ○ | ○    | -  | ○  | AUTO, DOLBY, DIGITAL               | AUTO                        |
|                             | DOLBY DIGITAL(2CH)        | ○                    | - | -    | -  | ○  | AUTO, DOLBY, DIGITAL               | AUTO                        |
|                             | DOLBY DIGITAL (2CH:Lt/Rt) | ○                    | ○ | ○    | -  | ○  | AUTO, DOLBY, DIGITAL, PRO LOGIC II | AUTO                        |
|                             | DOLBY DIGITAL EX(6.1CH)   | ○                    | ○ | ○    | ○  | ○  | AUTO, DOLBY, DIGITAL, SURROUND EX  | AUTO                        |
|                             | 96KHZ PCM                 | ○                    | - | -    | -  | -  | AUTO, STEREO, PCM                  | AUTO -> 96KHz               |
|                             | PCM(AUDIO)                | ○                    | - | -    | -  | ○  | AUTO, STEREO                       | AUTO                        |
|                             | ANALOG                    | ○                    | - | -    | -  | ○  | AUTO, STEREO                       | AUTO                        |
|                             | DTS(5.1CH)                | ○                    | ○ | ○    | -  | ○  | AUTO, DTS                          | AUTO                        |
|                             | DTS-ES(6.1CH)             | ○                    | ○ | ○    | ○  | ○  | AUTO, DTS, ES                      | DTS-ES DISC -> AUTO         |
|                             | PL II MOVIE               | DOLBY DIGITAL(5.1CH) | ○ | ○    | ○  | -  | ○                                  | DOLBY, DIGITAL              |
| DOLBY DIGITAL(2CH)          |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC II       | DOLBY PL II MV              |
| DOLBY DIGITAL(2CH:Lt/Rt)    |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC II       | DOLBY PL II MV              |
| DOLBY DIGITAL EX(6.1CH)     |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL                     | DOLBY D                     |
| 96KHZ PCM                   |                           | -                    | - | -    | -  | -  |                                    |                             |
| PCM(AUDIO)                  |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC II, PCM           | DOLBY PL II MV              |
| ANALOG                      |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC II                | DOLBY PL II MV              |
| DTS(5.1CH)                  |                           | -                    | - | -    | -  | -  |                                    |                             |
| DTS-ES(6.1CH)               |                           | -                    | - | -    | -  | -  |                                    |                             |
| PL II MUSIC                 |                           | DOLBY DIGITAL(5.1CH) | ○ | ○    | ○  | -  | ○                                  | DOLBY, DIGITAL              |
|                             | DOLBY DIGITAL(2CH)        | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC II       | DOLBY PL II MS              |
|                             | DOLBY DIGITAL(2CH:Lt/Rt)  | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC II       | DOLBY PL II MS              |
|                             | DOLBY DIGITAL EX(6.1CH)   | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL                     | DOLBY D                     |
|                             | 96KHZ PCM                 | -                    | - | -    | -  | -  |                                    |                             |
|                             | PCM(AUDIO)                | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC II, PCM           | DOLBY PL II MS              |
|                             | ANALOG                    | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC II                | DOLBY PL II MS              |
|                             | DTS(5.1CH)                | -                    | - | -    | -  | -  |                                    |                             |
|                             | DTS-ES(6.1CH)             | -                    | - | -    | -  | -  |                                    |                             |
|                             | PRO LOGIC                 | DOLBY DIGITAL(5.1CH) | ○ | ○    | ○  | -  | ○                                  | DOLBY, DIGITAL              |
| DOLBY DIGITAL(2CH)          |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC          | DOLBY PL                    |
| DOLBY DIGITAL(2CH:Lt/Rt)    |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL, PRO LOGIC          | DOLBY PL                    |
| DOLBY DIGITAL EX(6.1CH)     |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, DIGITAL                     | DOLBY D                     |
| 96KHZ PCM                   |                           | -                    | - | -    | -  | -  |                                    |                             |
| PCM(AUDIO)                  |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC, PCM              | DOLBY PL                    |
| ANALOG                      |                           | ○                    | ○ | ○    | -  | ○  | DOLBY, PRO LOGIC                   | DOLBY PL                    |
| DTS(5.1CH)                  |                           | -                    | - | -    | -  | -  |                                    |                             |
| DTS-ES(6.1CH)               |                           | -                    | - | -    | -  | -  |                                    |                             |
| EX/ES                       |                           | DOLBY DIGITAL(5.1CH) | ○ | ○    | ○  | ○  | ○                                  | DOLBY, DIGITAL, SURROUND EX |
|                             | DOLBY DIGITAL(2CH)        | -                    | - | -    | -  | -  |                                    |                             |
|                             | DOLBY DIGITAL (2CH:Lt/Rt) | -                    | - | -    | -  | -  |                                    |                             |
|                             | DOLBY DIGITAL EX(6.1CH)   | ○                    | ○ | ○    | ○  | ○  | DOLBY, DIGITAL, SURROUND EX        | DOLBY D EX                  |
|                             | 96KHZ PCM                 | -                    | - | -    | -  | -  |                                    |                             |
|                             | PCM(AUDIO)                | -                    | - | -    | -  | -  |                                    |                             |
|                             | ANALOG                    | -                    | - | -    | -  | -  |                                    |                             |
|                             | DTS(5.1CH)                | ○                    | ○ | ○    | ○  | ○  | DTS, ES                            | DTS - ES MTRX               |
|                             | DTS-ES(6.1CH)             | ○                    | ○ | ○    | ○  | ○  | DTS, ES                            | DTS - ES DISC               |
|                             | DTS                       | DOLBY DIGITAL(5.1CH) | - | -    | -  | -  | -                                  |                             |
| DOLBY DIGITAL(2CH)          |                           | -                    | - | -    | -  | -  |                                    |                             |
| DOLBY DIGITAL(2CH:Lt/Rt)    |                           | -                    | - | -    | -  | -  |                                    |                             |
| DOLBY DIGITAL EX(6.1CH)     |                           | -                    | - | -    | -  | -  |                                    |                             |
| 96KHZ PCM                   |                           | -                    | - | -    | -  | -  |                                    |                             |
| PCM(AUDIO)                  |                           | -                    | - | -    | -  | -  |                                    |                             |
| ANALOG                      |                           | -                    | - | -    | -  | -  |                                    |                             |
| DTS(5.1CH)                  |                           | ○                    | ○ | ○    | -  | ○  | DTS                                | DTS                         |
| DTS-ES(6.1CH)               |                           | ○                    | ○ | ○    | -  | ○  | DTS                                | DTS                         |
| Neo:6 CINEMA<br>Neo:6 MUSIC |                           | DOLBY DIGITAL(5.1CH) | - | -    | -  | -  | -                                  |                             |
|                             | DOLBY DIGITAL(2CH)        | -                    | - | -    | -  | -  |                                    |                             |
|                             | DOLBY DIGITAL(2CH:Lt/Rt)  | -                    | - | -    | -  | -  |                                    |                             |
|                             | DOLBY DIGITAL EX(6.1CH)   | -                    | - | -    | -  | -  |                                    |                             |
|                             | 96KHZ PCM                 | -                    | - | -    | -  | -  |                                    |                             |
|                             | PCM(AUDIO)                | ○                    | ○ | ○    | ○  | ○  | PCM                                | NEO: 6 CINEMA or MUSIC      |
|                             | ANALOG                    | ○                    | ○ | ○    | ○  | ○  |                                    | NEO: 6 CINEMA or MUSIC      |
| MULTI CH. ST                | DOLBY DIGITAL(5.1CH)      | ○                    | ○ | ○    | ○  | ○  | DOLBY, DIGITAL, SURROUND EX        | M-CH STEREO                 |
|                             | DOLBY DIGITAL(2CH)        | ○                    | ○ | ○    | ○  | ○  | DOLBY, DIGITAL                     | M-CH STEREO                 |
|                             | DOLBY DIGITAL(2CH:Lt/Rt)  | ○                    | ○ | ○    | ○  | ○  | DOLBY, DIGITAL                     | M-CH STEREO                 |
|                             | DOLBY DIGITAL EX(6.1CH)   | ○                    | ○ | ○    | ○  | ○  | DOLBY, DIGITAL, SURROUND EX        | M-CH STEREO                 |
|                             | 96KHZ PCM                 | -                    | - | -    | -  | -  |                                    |                             |
|                             | PCM(AUDIO)                | ○                    | ○ | ○    | ○  | ○  | PCM                                | M-CH STEREO                 |
|                             | ANALOG                    | ○                    | ○ | ○    | ○  | ○  |                                    | M-CH STEREO                 |
|                             | DTS(5.1CH)                | ○                    | ○ | ○    | ○  | ○  | DTS, ES                            | M-CH STEREO                 |
|                             | DTS-ES(6.1CH)             | ○                    | ○ | ○    | ○  | ○  | DTS, ES                            | M-CH STEREO                 |

| SURROUND MODE  | INPUT SIGNAL             | OUTPUT CHANNELS |   |       |    |                 | FLUORESCENT INDICATOR               |                                    |
|--|--------------------------|-----------------|---|-------|----|-----------------|-------------------------------------|------------------------------------|
|  |                          | L/R             | C | SL/SR | SC | SW              | FORMAT STATUS & SURROUND MODE       | TEMPORARY DISPLAY STATUS           |
| CS2 CINEMA<br>CS2 MUSIC<br>CS2 MONO                  | DOLBY DIGITAL(5.1CH)     | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL(2CH)       | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL(2CH:Lt/Rt) | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL EX(6.1CH)  | -               | - | -     | -  | -               |                                     |                                    |
|  | 96KHZ PCM                | -               | - | -     | -  | -               |                                     |                                    |
|  | PCM(AUDIO)               | ○               | ○ | ○     | ○  | ○               | PCM                                 | CS-2 CINEMA or MUSIC or MONO       |
|  | ANALOG                   | ○               | ○ | ○     | ○  | ○               |                                     | CS-2 CINEMA or MUSIC or MONO       |
|  | DTS(5.1CH)               | -               | - | -     | -  | -               |                                     |                                    |
| DTS-ES(6.1CH)  | -                        | -               | - | -     | -  |                 |                                     |                                    |
| VIRTUAL  | DOLBY DIGITAL(5.1CH)     | ○               | - | -     | -  | ○               | VIRTUAL, DOLBY, DIGITAL             | VIRTUAL                            |
|  | DOLBY DIGITAL(2CH)       | ○               | - | -     | -  | ○               | VIRTUAL, DOLBY, DIGITAL, PRO LOGIC  | VIRTUAL                            |
|  | DOLBY DIGITAL(2CH:Lt/Rt) | ○               | - | -     | -  | ○               | VIRTUAL, DOLBY, DIGITAL, PRO LOGIC  | VIRTUAL                            |
|  | DOLBY DIGITAL EX(6.1CH)  | ○               | - | -     | -  | ○               | VIRTUAL, DOLBY, DIGITAL             | VIRTUAL                            |
|  | 96KHZ PCM                | -               | - | -     | -  | -               |                                     |                                    |
|  | PCM(AUDIO)               | ○               | - | -     | -  | ○               | VIRTUAL, PRO LOGIC, PCM             | VIRTUAL                            |
|  | ANALOG                   | ○               | - | -     | -  | ○               | VIRTUAL, PRO LOGIC                  | VIRTUAL                            |
|  | DTS(5.1CH)               | ○               | - | -     | -  | ○               | VIRTUAL, DTS                        | VIRTUAL                            |
| DTS-ES(6.1CH)  | ○                        | -               | - | -     | ○  | VIRTUAL, DTS    | VIRTUAL                             |                                    |
| (DSP SURROUND)<br>MOVIE<br>HALL<br>STADIUM<br>MATRIX | DOLBY DIGITAL(5.1CH)     | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL(2CH)       | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL(2CH:Lt/Rt) | -               | - | -     | -  | -               |                                     |                                    |
|  | DOLBY DIGITAL EX(6.1CH)  | -               | - | -     | -  | -               |                                     |                                    |
|  | 96KHZ PCM                | -               | - | -     | -  | -               |                                     |                                    |
|  | PCM(AUDIO)               | ○               | ○ | ○     | -  | ○               | DSP SOUND, PCM                      | MOVIE or HALL or STADIUM or MATRIX |
|  | ANALOG                   | ○               | ○ | ○     | -  | ○               | DSP SOUND                           | MOVIE or HALL or STADIUM or MATRIX |
|  | DTS(5.1CH)               | -               | - | -     | -  | -               |                                     |                                    |
| DTS-ES(6.1CH)  | -                        | -               | - | -     | -  |                 |                                     |                                    |
| STEREO   | DOLBY DIGITAL(5.1CH)     | ○               | - | -     | -  | ○               | STEREO, DOLBY, DIGITAL              | STEREO                             |
|  | DOLBY DIGITAL(2CH)       | ○               | - | -     | -  | ○               | STEREO, DOLBY, DIGITAL              | STEREO                             |
|  | DOLBY DIGITAL(2CH:Lt/Rt) | ○               | - | -     | -  | ○               | STEREO, DOLBY, DIGITAL              | STEREO                             |
|  | DOLBY DIGITAL EX(6.1CH)  | ○               | - | -     | -  | ○               | STEREO, DOLBY, DIGITAL              | STEREO                             |
|  | 96KHZ PCM                | ○               | - | -     | -  | -               | STEREO, PCM                         | STEREO -> 96KHz                    |
|  | PCM(AUDIO)               | ○               | - | -     | -  | ○               | STEREO, PCM                         | STEREO                             |
|  | ANALOG                   | ○               | - | -     | -  | ○               | STEREO                              | STEREO                             |
|  | DTS(5.1CH)               | ○               | - | -     | -  | ○               | STEREO, DTS                         | STEREO                             |
| DTS-ES(6.1CH)  | ○                        | -               | - | -     | ○  | STEREO, DTS     | STEREO                              |                                    |
| S-DIRECT   | DOLBY DIGITAL(5.1CH)     | ○               | ○ | ○     | -  | ○               | DIRECT, DOLBY, DIGITAL              | S-DIRECT                           |
|  | DOLBY DIGITAL(2CH)       | ○               | - | -     | -  | ○               | DIRECT, DOLBY, DIGITAL              | S-DIRECT                           |
|  | DOLBY DIGITAL(2CH:Lt/Rt) | ○               | ○ | ○     | -  | ○               | DIRECT, DOLBY, DIGITAL              | S-DIRECT                           |
|  | DOLBY DIGITAL EX(6.1CH)  | ○               | ○ | ○     | ○  | ○               | DIRECT, DOLBY, DIGITAL, SURROUND EX | S-DIRECT                           |
|  | 96KHZ PCM                | ○               | - | -     | -  | -               | DIRECT, STEREO, PCM                 | S-DIRECT -> 96KHz                  |
|  | PCM(AUDIO)               | ○               | - | -     | -  | ○               | DIRECT, STEREO, PCM                 | S-DIRECT                           |
|  | ANALOG                   | ○               | - | -     | -  | ○               | DIRECT, STEREO                      | S-DIRECT                           |
|  | DTS(5.1CH)               | ○               | ○ | ○     | -  | ○               | DIRECT, DTS                         | S-DIRECT                           |
| DTS-ES(6.1CH)  | ○                        | ○               | ○ | ○     | ○  | DIRECT, DTS, ES | S-DIRECT                            |                                    |

**Note:**

- Dolby Digital (2 ch: Lt/Rt): 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.

L/R : Front speakers  
 C : Center speaker  
 SL/SR : Surround speakers  
 SC : Surround Center speaker  
 SW : Sub woofer speaker



# TROUBLE SHOOTING

**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 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 distributor or the Marantz Service Center in your country.

| SYMPTOM   | CAUSE   | REMEDY  |
|---|---|---|
| SR5300 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.<br>The input cable is not connected correctly.<br>The master volume control is turned all the way down.<br>The function selector position is wrong.   | Cancel mute using the remote control unit.<br>See the connection diagram and connect the cables correctly.<br>Adjust the master volume.<br>Select correct position.                         |
| Speaker does not outputting any sound.  | The headphones are connected to the headphone jack.   | Disconnect the headphones. (Speakers will not output sound when headphones are connected.)  |
| Sound and pictures from other than equipment selected with the function selector. | Input cable connected incorrectly.  | Connect the cable correctly by referring to the connection diagram.   |
| Sound from the wrong channel is output from the speaker.                          | Speaker cable connected incorrectly.  | Connect the cable correctly by referring to the connection diagram.   |
| No sound is output from the center speaker.                                       | The center speaker cable connection is incomplete.<br>STEREO has been selected for Surround mode.<br>Center = NONE has been selected in SETUP mode.   | Connect the cable correctly.<br>When STEREO is selected for Surround mode, no sound will be output from the center speaker. Set another Surround mode.<br>Make the correct setting.         |
| No sound is output from the surround speakers.                                    | The surround speaker cable connection is incomplete.<br>STEREO has been selected for Surround mode.<br>Surround = NONE has been selected in SETUP mode.   | Connect the cable correctly.<br>When STEREO has been selected for Surround mode, no sound will be output from the surround speaker. Set another Surround mode.<br>Make the correct setting. |
| No sound is output from the surround center                                       | The surround back center cable connection is incomplete<br>Surround mode is not EX/ES mode.<br>Surround center= NONE has been selected in SPEAKERS SIZE SETUP   | Connect the cable correctly.<br>Set surround mode EX/ES<br>Make the correct setting.  |
| Can not select EX/ES mode.  | Surround center= NONE has been selected in SPEAKERS SIZE SETUP<br>Input signal is incompatible.   | Make the correct setting.<br>Use 5.1 channel source.  |
| Can not select Pro Logic II mode.   | Input signal is incompatible.   | Use 2 channel Dolby Digital input signal, PCM input signal or analog input signal.  |
| Can not select Neo:6 mode.  | Input signal is incompatible.   | Use PCM input signal or analog input signal.  |
| Can not select CSII mode.   | Input signal is incompatible.   | Use 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.  |
| Surround mode cannot be changed.  | The headphones are connected to the jack.   | Disconnect the headphones. (When headphones are connected, Surround mode will be fixed to STEREO.)  |
| 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..<br>Remote controller's function-key setting is wrong.<br>The distance between this SR5300 and the remote commander is too far.<br>Something is blocking SR5300 and the remote commander. | Replace all the batteries with new ones..<br>Select different position from which equipment will be controlled.<br>Move closer to this SR5300.<br>Remove offending object.                  |

## 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 SR5300 is equipped with a backup function to prevent memory data such as the preset memory from being erased.

The memory functions are backed up for up to about one week.

### **Note:**

- First of all keep SR5300 Standby or Powered-on more than 6 hours, to sufficient time for memory back up.

## HOW TO RESET THE UNIT

Should the operation or display seem to be abnormal, reset the unit with the following procedure.

- 1.** The SR5300 is turned on, press and hold the **A/D** ⑦ and **DIMMER** ⑩ buttons simultaneously for 3 seconds or more.

### **Note:**

- Remember that the procedure will reset the settings of the function selector, Surround mode, delay time, TUNER PRESET etc., to their initial settings.

# TECHNICAL SPECIFICATIONS

## FM TUNER SECTION

Frequency Range ..... 87.5 - 108.0 MHz  
 Usable Sensitivity ..... IHF 1.8  $\mu$ V/16.4 dBf  
 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 .....  $\pm$  300 kHz 60 dB  
 Image Rejection ..... 98 MHz 70 dB  
 Tuner Output Level ..... 1 kHz,  $\pm$  40 kHz Dev 500 mV

## AM TUNER SECTION

Frequency Range ..... AM: 522 - 1611 kHz  
 Signal to Noise Ratio ..... 50 dB  
 Usable Sensitivity ..... Loop 400  $\mu$ V/m  
 Distortion ..... 400 Hz, 30 % Mod. 0.5 %  
 Selectivity .....  $\pm$  18 kHz 60 dB

## AUDIO SECTION

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 Center ..... 8 ohms 90 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 Center ..... 6 ohms 105 W / Ch

Input Sensitivity/Impedance  
 Linear ..... 340 mV/ 47 Kohms

Signal to Noise Ratio  
 Linear ..... 105 dB

## VIDEO SECTION

Television Format ..... NTSC/PAL  
 Input Level/Impedance ..... 1 Vp-p/ 75 ohms  
 Output Level/Impedance ..... 1 Vp-p/ 75 ohms  
 Video Frequency Response ..... 5 Hz to 8 MHz (- 1 dB)  
 S/N ..... 60 dB

## GENERAL

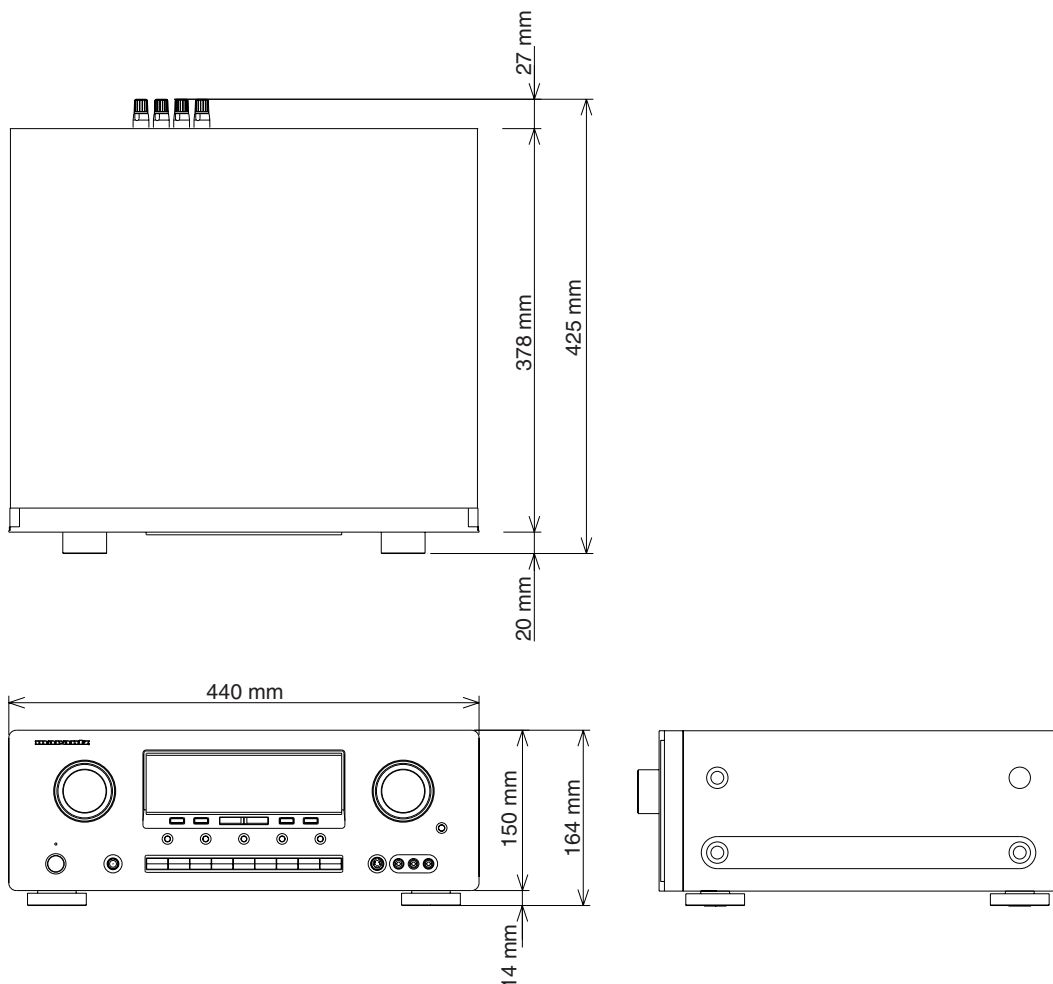
Power Requirement ..... AC 230 V 50 Hz  
 Power Consumption ..... 310 W  
 Weight ..... 12.9 Kg

## ACCESSORIES

Remote Control Unit RC5300SR ..... 1  
 AAA-size batteries ..... 2  
 FM Feeder Antenna ..... 1  
 FM Antenna Converter ..... 1  
 AM Loop Antenna ..... 1  
 AC Power Cord ..... 1  
 Registration Card ..... 1  
 User Guide ..... 1

Specifications subject to change without prior notice.

# DIMENSION



# SETUP CODES

## CD

|                       |  |
|-----------------------|--|
| Aiwa                  | 0151, 0184   |
| Burmester             | 0447   |
| California Audio Labs | 0056, 0330   |
| Carver                | 0184, 0206, 0326, 0464                               |
| DKK                   | 0027   |
| Denon                 | 0030   |
| Emerson               | 0332   |
| Fisher                | 0201, 0206   |
| Garrard               | 0420, 0447   |
| Genexxa               | 0059, 0332   |
| Harman/Kardon         | 0184, 0200   |
| Hitachi               | 0059   |
| JVC                   | 0099   |
| Kenwood               | 0055, 0064, 0217                                     |
| Krell                 | 0184   |
| LXI                   | 0332   |
| Linn                  | 0184   |
| Luxman                | 0062, 0120, 0293, 0354, 0355, 0457, 0459, 0510, 0516 |
| MCS                   | 0056   |
| MTC                   | 0447   |
| Magnavox              | 0184, 0332   |
| Marantz               | 0056, 0184, 0207, 1207, 0999,                        |
| Mission               | 0184   |
| NAD                   | 0046, 0326, 0343, 0747, 0748                         |
| NSM                   | 0184   |
| Nakamichi             | 0106, 0174, 0466, 0471, 0691                         |
| Nikko                 | 0201   |
| Onkyo                 | 0128   |
| Optimus               | 0027, 0059, 0064, 0172, 0206, 0332, 0447, 0464, 0495 |
| Panasonic             | 0056, 0330   |
| Parasound             | 0447   |
| Philips               | 0184   |
| Pioneer               | 0059, 0271, 0332, 0495                               |
| Polk Audio            | 0184   |
| Proton                | 0184   |
| QED                   | 0184   |
| Quasar                | 0056   |
| RCA                   | 0059, 0080, 0206, 0332, 0495, 0791                   |
| Realistic             | 0206, 0207, 0447                                     |
| Rotel                 | 0184, 0447   |
| SAE                   | 0184   |
| Sansui                | 0184, 0332   |
| Sanyo                 | 0206   |
| Scott                 | 0332   |
| Sears                 | 0332   |
| Sharp                 | 0064, 0207   |
| Sherwood              | 0207   |
| Sonic Frontiers       | 0184   |
| Sony                  | 0027, 0212   |
| Soundesign            | 0172   |
| Tascam                | 0447   |
| Teac                  | 0201, 0207, 0420, 0447                               |
| Technics              | 0056, 0330   |
| Toshiba               | 0046, 0326   |
| Victor                | 0099   |
| Wards                 | 0080, 0184   |
| Yamaha                | 0063, 0214   |
| Yorx                  | 0488   |

## MD PLAYERS

|          |            |
|----------|------------|
| Denon    | 1900       |
| Kenwood  | 1708, 1853 |
| Marantz  | 1207       |
| Onkyo    | 1895       |
| Optimus  | 1090       |
| Pioneer  | 1090       |
| Sharp    | 1888       |
| Sherwood | 1094       |
| Sony     | 1517       |
| Yamaha   | 1915       |

## CDR

|         |      |
|---------|------|
| Marantz | 0999 |
|---------|------|

## TAPE

|               |                              |
|---------------|------------------------------|
| Aiwa          | 0056, 0224                   |
| Carver        | 0056                         |
| Denon         | 0103                         |
| Garrard       | 0335, 0336                   |
| Harman/Kardon | 0056, 0209                   |
| JVC           | 0271, 0300                   |
| Kenwood       | 0097                         |
| Magnavox      | 0056                         |
| Marantz       | 0056                         |
| NAD           | 0171                         |
| Onkyo         | 0162, 0309                   |
| Optimus       | 0054, 0247                   |
| Panasonic     | 0256                         |
| Philips       | 0056                         |
| Pioneer       | 0054, 0126, 0247             |
| Polk Audio    | 0056                         |
| RCA           | 0054, 0247                   |
| Samsung       | 0418, 0419                   |
| Sansui        | 0056                         |
| Sony          | 0197, 0270, 0318             |
| Teac          | 0307, 0335, 0336, 0418, 0419 |
| Technics      | 0256                         |
| Victor        | 0300                         |
| Wards         | 0054                         |
| Yamaha        | 0121, 0124                   |

## SAT (DSS)

|                        |                        |
|------------------------|------------------------|
| AlphaStar              | 0799                   |
| Echostar               | 0802, 1032             |
| Expressvu              | 0802                   |
| General Instrument     | 0388, 0654, 0896       |
| HTS                    | 0802                   |
| Hitachi                | 0846                   |
| Hughes Network Systems | 0776                   |
| JVC                    | 0802                   |
| Jerrold                | 0388, 0654             |
| Magnavox               | 0749, 0751             |
| Memorex                | 0751                   |
| Next Level             | 0896                   |
| Panasonic              | 0728                   |
| Philips                | 0749, 0751, 1103       |
| Primestar              | 0388, 0654             |
| RCA                    | 0170, 0419, 0593, 0882 |
| Radio Shack            | 0896                   |
| Sony                   | 0666                   |
| Star Choice            | 0896                   |
| Toshiba                | 0776, 0817             |
| Uniden                 | 0749, 0751             |
| Zenith                 | 0883                   |

**TV**

|                          |   |
|--------------------------|---|
| AOC .....                | 0046, 0057  |
| Admiral .....            | 0120, 0490  |
| Aiko .....               | 0119  |
| Akai .....               | 0057  |
| Alaron .....             | 0206  |
| Ambassador .....         | 0204  |
| America Action .....     | 0207  |
| Anam .....               | 0207  |
| Audiovox .....           | 0119, 0207, 0478, 0650  |
| Baysonic .....           | 0207  |
| Belcor .....             | 0046  |
| Bell & Howell .....      | 0043, 0181  |
| Bradford .....           | 0207  |
| Brockwood .....          | 0046  |
| Broksonic .....          | 0263, 0490  |
| CXC .....                | 0207  |
| Candle .....             | 0057, 0083  |
| Carnivale .....          | 0057  |
| Carver .....             | 0081  |
| Celebrity .....          | 0027  |
| Cineral .....            | 0119, 0478  |
| Citizen .....            | 0057, 0083, 0087, 0119  |
| Concerto .....           | 0083  |
| Contec .....             | 0207  |
| Craig .....              | 0207  |
| Crosley .....            | 0081  |
| Crown .....              | 0207  |
| Curtis Mathes .....      | 0043, 0057, 0074, 0078, 0081, 0083, 0087,<br>0120, 0172, 0181, 0193, 0478, 1174, 1374 |
| Daewoo .....             | 0046, 0119, 0478, 0650, 0651  |
| Daytron .....            | 0046  |
| Denon .....              | 0172  |
| Dumont .....             | 0044, 0046  |
| Dwin .....               | 0747, 0801  |
| Electroband .....        | 0027  |
| Emerson .....            | 0046, 0181, 0204, 0205, 0206, 0207, 0263, 0490,<br>0650, 0651                         |
| Envision .....           | 0057  |
| Fisher .....             | 0181  |
| Fujitsu .....            | 0206, 0710  |
| Funai .....              | 0206, 0207  |
| Futuretech .....         | 0207  |
| GE .....                 | 0074, 0078, 0120, 0205, 0478, 1174, 1374  |
| Gibraltar .....          | 0044, 0046, 0057  |
| GoldStar .....           | 0046, 0057, 0083, 0205  |
| Gradiente .....          | 0080, 0083  |
| Grunpy .....             | 0206, 0207  |
| Hallmark .....           | 0205  |
| Harley Davidson .....    | 0206  |
| Harman/Kardon .....      | 0081  |
| Harvard .....            | 0207  |
| Hitachi .....            | 0043, 0083, 0172  |
| Infinity .....           | 0081  |
| Inteq .....              | 0044  |
| JBL .....                | 0081  |
| JCB .....                | 0027  |
| JVC .....                | 0080  |
| KEC .....                | 0207  |
| KTV .....                | 0057, 0207  |
| Kenwood .....            | 0046, 0057  |
| LG .....                 | 0083  |
| LXI .....                | 0074, 0081, 0181, 0183, 0205  |
| Logik .....              | 0043  |
| Luxman .....             | 0083  |
| MGA .....                | 0046, 0057, 0177, 0205  |
| MTC .....                | 0046, 0057, 0083, 0087  |
| Magnavox .....           | 0057, 0081, 0206, 1281  |
| Majestic .....           | 0043  |
| Marantz .....            | 0057, 0081, 1581  |
| Matsushita .....         | 0277  |
| Megatron .....           | 0172, 0205  |
| Memorex .....            | 0043, 0083, 0177, 0181, 0205, 0206, 0277, 0490  |
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| Mitsubishi .....         | 0046, 0120, 0177, 0205  |
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| NAD .....                | 0183, 0193, 0205  |
| NEC .....                | 0046, 0057, 0083  |
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| Philco .....             | 0046, 0057, 0081, 0172, 0490  |
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| Pulsar .....             | 0044, 0046  |
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| Radio Shack .....        | 0046, 0057, 0074, 0083, 0181, 0192, 0205, 0207  |
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