

Theatre Stand System

Operating Instructions

This system has the following instructions:

- **Quick Setup Guide**
Describe the basic connections, settings and operations.
- **Operating Instructions (this book)**
Describe more details on settings and operations.

S-FORCE
PRO
FRONT SURROUND

S-master
Digital Amplifier

RHT-G2000

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

For customers in the U.S.A



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Owner’s Record

The model and serial numbers are located at the rear of the unit. Record the serial numbers in the spaces provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. RHT-G2000

Serial No. _____

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For customers in Canada

CAUTION

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



ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

This system incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

- * Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.
- ** “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

Thank you for purchasing this product. This stand is designed for use with KDF-E42A10/KDF-E50A10/KDS-R50XBR1/KDS-R60XBR1, and can accommodate a VCR, DVD player, etc. Please read the following instructions thoroughly and follow them carefully when installing the TV. Retain this manual for future reference.

IMPORTANT SAFEGUARDS

For your protection, please read these safety instructions completely before operating the appliance, and keep this manual for future reference.

Carefully observe all warnings, precautions and instructions on the appliance and in the operating instructions, and adhere to them.

INSTALLATION

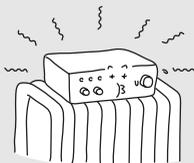
Water and Moisture

Do not use powerline operated appliances near water – for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.



Heat

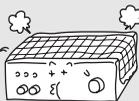
Do not place the appliance near or over a radiator or heat register, or where it is exposed to direct sunlight.



Ventilation

The slots and openings in the cabinet are provided for necessary ventilation. To ensure reliable operation of the appliance, and to protect it from overheating, these slots and openings must never be blocked or covered.

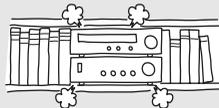
– Never cover the slots and openings with a cloth or other materials.



– Never block the slots and openings by placing the appliance on a bed, sofa, rug or other similar surface.

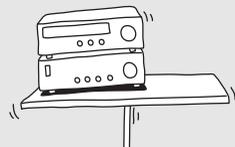


– Never place the appliance in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.



Accessories

Do not place the appliance on an unstable cart, stand, tripod, bracket, or table. The appliance may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only a cart, stand, tripod, bracket, or table recommended by Sony.



– An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



Wall or Ceiling Mounting

If your appliance can be mounted to a wall or ceiling, mount it only as recommended by Sony.

USE

Power Source

This appliance should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company.

For those appliances designed to operate from battery power, or other sources, refer to the operating instructions.



Grounding or Polarization

This appliance is equipped with a polarized AC power cord plug (a plug having one blade wider than the other), or with a three-wire grounding type plug (a plug having a third pin for grounding). Follow the instructions below:

- For the appliance with a polarized AC power cord plug:

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.



- For the appliance with a three-wire grounding type AC plug:

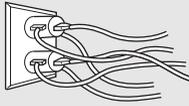
This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.



continued

Overloading

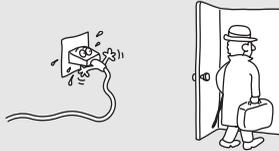
Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.



When not in use

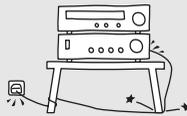
Unplug the power cord of the appliance from the outlet when left unused for a long period of time.

To disconnect the cord, pull it out by grasping the plug. Never pull the plug out by the cord.



Power-Cord Protection

Route the power cord so that it is not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the plugs, receptacles, and the point where the cord exits from the appliance.



Attachments

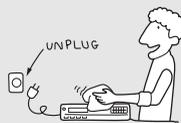
Do not use attachments not recommended by Sony, as they may cause hazards.

Lightning

For added protection for this appliance during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the appliance due to lightning and powerline surges.

Cleaning

Unplug the appliance from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the appliance. Clean the appliance only as recommended by Sony.



Object and Liquid Entry

Never push objects of any kind into the appliance through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the appliance.



ANTENNAS

Outdoor Antenna Grounding

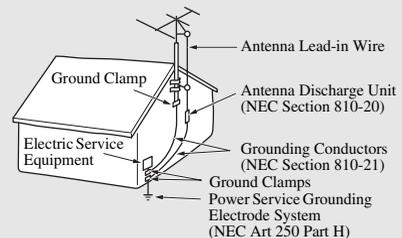
If an outdoor antenna or cable system is installed, follow the precautions below.

An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power lines or circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the National Electrical Code



NEC - NATIONAL ELECTRICAL CODE

SERVICE

Damage Requiring Service

Unplug the appliance from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- When the power cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into the appliance.



- If the appliance has been exposed to rain or water.



- The appliance does not appear to operate normally or exhibits a marked change in performance. – This indicates a need for service.



– If the appliance does not operate normally when following the operating instructions, adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the appliance to normal operation.

– If the appliance has been subject to excessive shock by being dropped, or the cabinet has been damaged.



Servicing

Do not attempt to service the appliance yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.



Replacement parts

When replacement parts are required, be sure the service technician has used replacement parts specified by Sony that have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock, or other hazards.

Safety Check

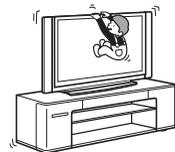
Upon completion of any service or repairs to the appliance, ask the service technician to perform routine safety checks (as specified by Sony) to determine that the appliance is in safe operating condition.



WARNING

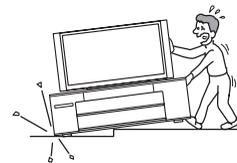
Do not lean on or hang from the TV when the TV is placed on the stand.

The TV may fall from the stand causing an accident resulting in serious injury or death.



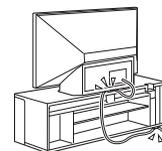
Do not move the stand with the TV or other equipment installed on it.

Be sure to remove the TV and other equipment when moving the stand. If you fail to do so, the stand may lose balance and topple over resulting in serious injury.



Do not allow the AC power cord or the connecting cable to be pinched between the TV and the stand.

- The AC power cord or the connecting cable may be damaged resulting in fire or electric shock.
- When moving the stand, be careful not to trap the AC power cord or the connecting cable under the stand.



Do not climb on the stand.

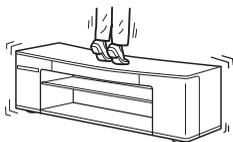
The top front cover may become loose and may fall from the stand causing an accident resulting in serious injury.



CAUTION

Do not step on the stand.

If you do so, you may fall from the stand resulting in injury.



This stand is only for the specified TV.

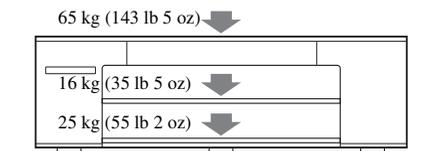
- Do not place unspecified objects, such as a flower vase or pottery on the stand.
- Do not make alterations to the stand.

Secure the TV to the stand.

If you fail to do so, the TV may fall or the stand may topple over. This may cause injury. Following the instructions in this manual, place the TV legs into the stopper and use the support belt to prevent the TV from toppling over.

Note on load capacity

Do not place any equipment exceeding the specified maximum weight on the stand, as indicated in the illustration below. Otherwise, it may fall or break.



Notes on installation

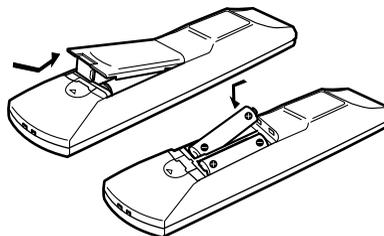
- Be careful not to pinch your hand or fingers between the TV and the stand.
- To prevent the stand from distorting, observe the following:
 - Install the stand on a solid and flat surface.
 - If you install the stand on a soft surface such as a mat, first lay a board under the stand.
 - Do not install the stand in a place subject to direct sunlight or near a heater.
 - Do not install the stand in a hot or humid place, or outdoors.
- Moving the stand requires four people or more. Move the stand only after removing the TV. If you fail to do so, the TV may fall from the stand resulting in serious injury. Do not hold the grille as it may detach from the stand resulting in serious injury. Be careful not to pinch your fingers when moving the stand.

Notes on use

- Do not place any hot objects on the stand. If you do so, the stand may discolor or distort.
- To keep the stand clean, occasionally wipe the stand gently with a dry, soft cloth. Stubborn stains may be removed with a cloth slightly dampened with diluted detergent, followed by a soft dry cloth. Do not use any type of chemicals, such as thinner or benzine, as they may damage the finish of the stand.
- When placing the top front cover on the floor after removing it from the stand, cover the floor with a cloth, etc., beforehand to protect the floor from damage.

Inserting batteries into the remote

You can control the system using the supplied remote. Insert two size AA (R6) batteries by matching the + and – ends on the batteries to the markings inside the compartment.



Note

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct light from the sun or lighting apparatus. Doing so may cause a malfunction.
- If you do not intend to use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

On power sources

- Before operating the receiver, check that the operating voltage is identical to your local power supply. The operating voltage is indicated on the nameplate at the rear of the receiver.
- The receiver is not disconnected from the AC power source as long as it is connected to the wall outlet, even if the receiver itself has been turned off.
- If you are not going to use the receiver for a long time, be sure to disconnect the receiver from the wall outlet. To disconnect the AC power cord, grasp the plug itself; never pull the cord.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- AC power cord must be changed only at the qualified service shop.

On heat buildup

Although the receiver heats up during operation, this is not a malfunction. If you continuously use this receiver at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

On placement

- Place the unit in a location with adequate ventilation to prevent heat buildup and prolong the life of the unit.
- Do not place the unit near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place anything on top of the cabinet that might block the ventilation holes and cause malfunctions.
- Use caution when placing the unit on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On operation

- Before connecting other components, be sure to turn off and unplug the receiver.
- The sound fields memorized for each input and the preset stations are retained for about a day even if you disconnect the AC power cord.

On cleaning

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

If you have any question or problem concerning your receiver, please consult your nearest Sony dealer.

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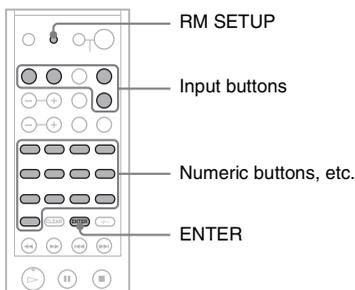
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Controlling the connected components

Programming the remote for TV operation (Sony TV only)

(Input SYNC)

If you connect your TV by jacks other than VIDEO IN 1 or HD/DVD IN 5 (see the supplied “Quick Setup Guide”), follow the steps below to program the remote. The TV input will be selected automatically (Input SYNC).



1 Press the input button for the component you want to change while holding down RM SETUP.

The indicator lights up.

Note

- Press the RM SETUP button using a pointed object.

2 See the table below for the remote button corresponding to the TV input jack you have connected to, and press the button.

TV input jack*	Remote Button
VIDEO 1	1
VIDEO 2	2
VIDEO 3	3
VIDEO 4	4
VIDEO 5	5
VIDEO 6	6
VIDEO 7	7
VIDEO 8	8
COMPONENT 1	9
COMPONENT 2	AUDIO
COMPONENT 3	SUBTITLE
COMPONENT 4	ANGLE

* TV input jack name may differ depending on your TV model.

3 Press ENTER.

The indicator slowly flashes twice and the remote automatically exits the programming mode.

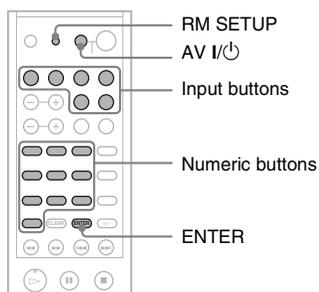
To disable this function

Press ENTER while holding down 0 in step 2. The TV input will not be selected automatically even if you press the input buttons.

Programming the remote

You can program the remote to control non-Sony components by changing the code. Once the control signals have been memorized, you can use those components as part of your system.

Furthermore, you can also program the remote for Sony components that the remote is unable to control. Note that the remote can only control components that accept infrared wireless control signals.



1 Press AV I/⏻ while holding down RM SETUP.

The indicator lights up.

Note

- Press the RM SETUP button using a pointed object.

2 Press the input button for the component you want to control.

For example, if you are going to control a DVD player, press DVD.

3 Press the numeric buttons to enter the numeric code (or one of the codes if more than one code exists) corresponding to the component and the maker of the component you want to control.

See the tables on pages 11–12 for information on the numeric code(s) corresponding to the component and the maker of the component (the first digit and the last two digits of the numeric code correspond to the category and the maker's code respectively).

4 Press ENTER.

Once the numeric code has been verified, the indicator slowly flashes twice and the remote automatically exits the programming mode.

5 Repeat steps 1 to 4 to control other components.

To cancel programming

Press RM SETUP during any step. The remote automatically exits the programming mode.

To activate the input after programming

Press the programmed button to activate the input you want.

If programming is unsuccessful, check the following:

- If the indicator does not light up in step 1, the batteries are weak. Replace both batteries.
- If the indicator flashes 4 times in quick succession while entering the numeric code, an error has occurred. Start again from step 1.

Note

- The indicator turns off while a valid button is pressed.
- In step 2, if several input buttons are pressed, only the last pressed button is valid.
- In step 2, if you press TV I/⏻, only TV VOL +/-, TV CH +/-, TV/VIDEO and WIDE buttons are reprogrammed.
- In step 3, if an input button is pressed, the new input is selected and the programming procedure returns to the beginning of step 3.
- For the numeric codes, only the first three numbers entered are valid.

To clear the memory of the remote

To clear all programmes, do the following to reset the remote to factory settings.

Press VOLUME -, I/⏻ and AV I/⏻ at the same time.

The indicator flashes 3 times, then goes off.

The numeric codes corresponding to the component and the maker of the component

Use the numeric codes in the tables below to control non-Sony components and also Sony components that the remote is normally unable to control. Since the remote signal that a component accepts differs depending on the model and year of the component, more than one numeric code may be assigned to a component. If you fail to program your remote using one of the codes, try using other codes.

Note

- The numeric codes are based on the latest information available for each brand. There is a chance, however, that your component will not respond to some or all of the codes.
- All of the input buttons on this remote may not be available when used with your particular component.

To control a CD player

Maker	Code(s)
SONY	101, 102, 103
DENON	104, 123
JVC	105, 106, 107
KENWOOD	108, 109, 110
MARANTZ	116
ONKYO	112, 113, 114
PIONEER	117
YAMAHA	120, 121, 122

To control a DAT deck

Maker	Code(s)
SONY	203
PIONEER	219

To control an MD deck

Maker	Code(s)
SONY	301

To control a tape deck

Maker	Code(s)
SONY	201, 202
DENON	204, 205
NAKAMICHI	210
PIONEER	213, 214
YAMAHA	217, 218

To control a VCR

Maker	Code(s)
SONY	701, 702, 703, 704, 705, 706
AKAI	707, 708, 709, 759
EMERSON	711, 712, 713, 714, 715, 716, 750
FISHER	717, 718, 719, 720
GENERAL ELECTRIC	721, 722, 730
GOLDSTAR/LG	723, 753
HITACHI	722, 725, 729, 741
JVC	726, 727, 728, 736
MAGNAVOX	730, 731, 738
MITSUBISHI/MGA	732, 733, 734, 735
PANASONIC	729, 730, 737, 738, 739, 740
PHILIPS	729, 730, 731
PIONEER	729
RCA/PROSCAN	722, 729, 730, 731, 741, 747
SAMSUNG	742, 743, 744, 745
SANYO	717, 720, 746
SHARP	748, 749
TOSHIBA	747, 755, 756
ZENITH	754

To control a DVD player

Maker	Code(s)
SONY	401, 402, 403
PANASONIC	406, 408
PHILIPS	407
PIONEER	409
TOSHIBA	404
DENON	405

To control a TV

Maker	Code(s)
SONY	501
DAEWOO	504, 505, 506, 515, 544
FISHER	508
GOLDSTAR/LG	503, 511, 512, 515, 534, 544
HITACHI	513, 514, 515, 544
JVC	516
MAGNAVOX	503, 518, 544
mitsubishi/MGA	503, 519, 544
NEC	503, 520, 544
PANASONIC	509, 524
PHILIPS	515, 518
PIONEER	509, 525, 526
RCA/PROSCAN	510, 527, 529, 544
SAMSUNG	503, 515, 531, 532, 533, 534, 544
SANYO	508, 545, 547
SHARP	535
THOMSON	530, 537, 547
TOSHIBA	535, 541
ZENITH	542, 543

To control a satellite tuner or cable box

Maker	Code(s)
SONY	801, 802, 803, 804, 821, 822, 823, 824, 825
JERROLD/G.I.	806, 807, 808, 809, 810, 811, 812, 813, 814
PANASONIC	818
RCA	805, 819
S. ATLANTA	815, 816, 817

To control a tuner

Maker	Code(s)
SONY	001, 004, 005

To control a hard disc recorder

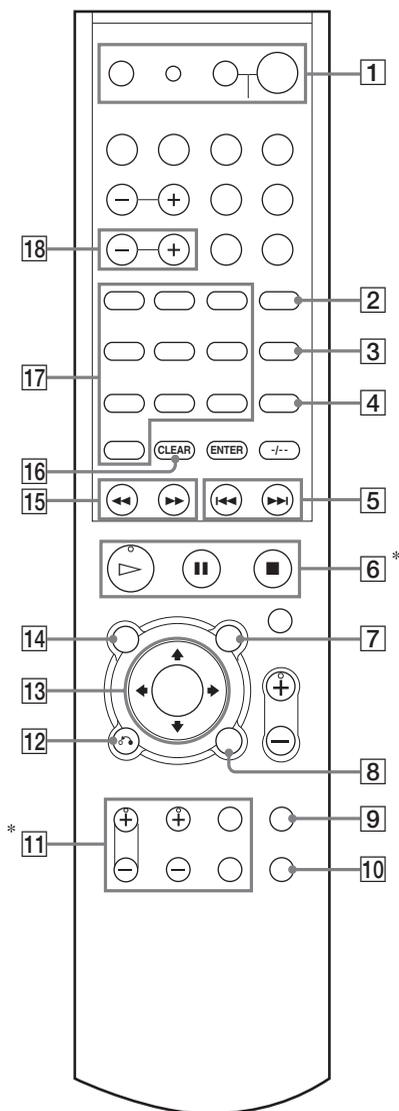
Maker	Code(s)
SONY	307, 308, 309

To control a blu-ray disc recorder

Maker	Code(s)
SONY	310, 311, 312

Controlling the connected components

You can control connected components with the remote of this system.



* The \blacktriangleright , TV VOL+, and TV CH+ buttons have a tactile dot. Use the tactile dot as a reference when operating the system and other audio/video components.

Common operations

Remote Button	Function
1 AV I/⏻	Turns the audio and video components on or off.
1 SYSTEM STANDBY (Press AV I/⏻ and I/⏻ at the same time)	Turns off this system and other Sony audio/video components.
7 AV MENU	Displays menu.

To control the DVD recorder/DVD player

Remote Button	Function
2 AUDIO	Changes the sound to Multiplex or Bilingual Sound.
3 SUBTITLE	Changes the subtitles.
4 ANGLE	Selects viewing angle or changes the angles.
5 I◀▶I	Skips chapters.
6 Play mode buttons	▷ (playback)/II (pause)/■ (stop)
8 DISPLAY	Selects information displayed on the TV screen.
12 RETURN↶/EXIT	Returns to the previous menu.
13 ◀/▶/◂/▸/ENTER	Selects a menu item and enters the selection.
14 TOP MENU	Displays DVD title.
15 ◀◀/▶▶	Searches chapters in a forward or backward direction.
16 CLEAR	Clears a mistake when you press incorrect numeric buttons or returns to continuous playback.
18 DISC SKIP	Skips discs (multi-disc changer only).

To control the TV

Remote Button	Function
1 TV I/⏻	Turns the TV on or off.
2 AUDIO	Changes the sound to Multiplex, Bilingual or Multi channel TV Sound.
8 DISPLAY	Selects information displayed on the TV screen.
11 TV/VIDEO	Selects input signal: TV input or video input.
11 TV CH +/-	Selects preset TV channels.
11 TV VOL +/-	Adjusts the volume of the TV.
11 WIDE	Selects the wide picture mode.
17 Numeric buttons	Selects channel numbers.
18 CH +/-	Selects preset channels.

To control the SAT

Remote Button	Function
10 JUMP	Toggles between the previous and the current channels.
12 EXIT	Exits the menu.
13 ◀/▶/◂/▸/ENTER	Selects a menu item and enters the selection.
14 GUIDE	Displays guide menu.
17 Numeric buttons	Selects channel numbers.
18 CH +/-	Selects preset channels.

To control the VCR

Remote Button	Function
2 AUDIO	Changes the sound to Multiplex or Bilingual Sound.
6 Play mode buttons	▷ (playback)/II (pause)/■ (stop)
8 DISPLAY	Selects information displayed on the TV screen.
9 ANT	Selects output signal from the antenna terminal: TV signal or VCR program.
13 ◀/▶/◂/▸/ENTER	Selects a menu item and enters the selection.
15 ◀◀/▶▶	Fast forwards or rewinds.
18 CH +/-	Selects preset channels.

To control the audio components

Remote Button	Function
5 I◀▶I	Skips tracks.
6 Play mode buttons	▷ (playback)/II (pause)/■ (stop)
15 ◀◀/▶▶	Searches tracks in a forward or backward direction.
17 Numeric buttons	Selects track numbers. 0/10 selects track 10.
18 DISC SKIP	Skips discs (multi-disc changer only).

Note

- The above explanations are intended to serve as an example only. Depending on the component, the above operations may not be possible, or may operate differently than described.
- Before you press ◀/▶/◂/▸ to operate this system, press AMP MENU first; to operate other components, press input buttons and AV MENU or TOP MENU/GUIDE first.

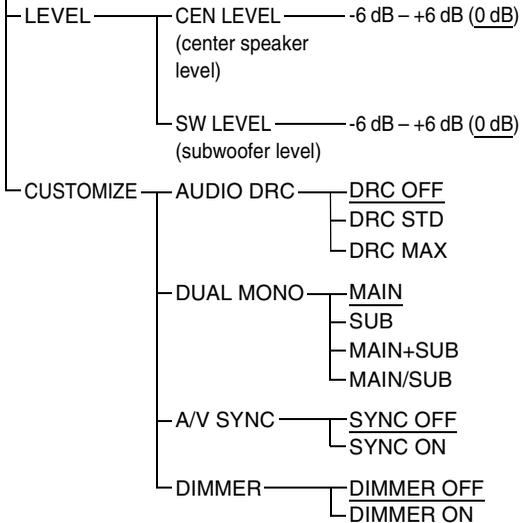
Settings and Adjustments

Using the AMP menu

In FRONT mode, you can set the following items with AMP MENU on the remote.

The default settings are underlined.

AMP MENU

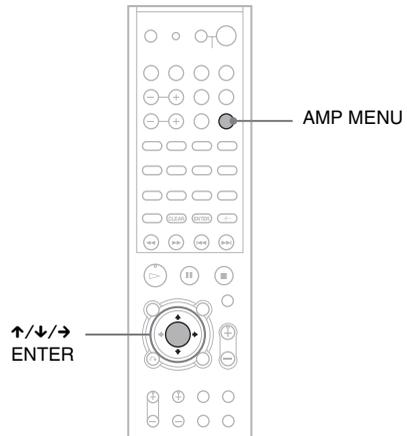


- 1 Press AMP MENU to turn on the AMP menu.
- 2 Press $\leftarrow/\uparrow/\downarrow/\rightarrow$ repeatedly to select the item and the setting.
- 3 Press AMP MENU to turn off the AMP menu.

The following pages show details for each setting.

Setting up the speakers

You can adjust the level of the center speaker and the subwoofer. This setting is applied to all sound fields.

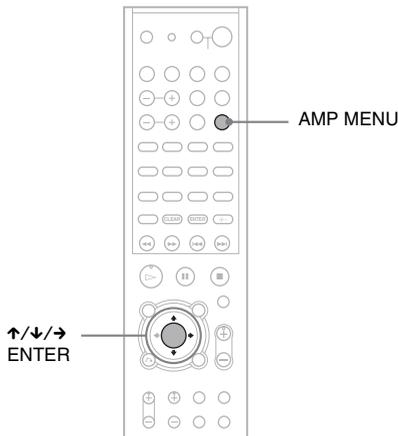


- 1 Start playing a source encoded with multi channel surround effects (DVD, etc.).
- 2 Press AMP MENU.
- 3 Press \downarrow/\uparrow repeatedly until “LEVEL” appears, then press ENTER or \rightarrow .
- 4 Press \downarrow/\uparrow repeatedly to select “CEN LEVEL” or “SW LEVEL”, then press ENTER or \rightarrow .
- 5 While monitoring the sound, press \downarrow/\uparrow repeatedly to select the setting you want.
 - CEN LEVEL (center speaker level)
 - SW LEVEL (subwoofer level)Default setting: 0 dB
You can adjust from -6 dB to +6 dB in 1 dB steps.
- 6 Press ENTER or AMP MENU.
The AMP menu turns off.

Enjoying the sound at low volume

(AUDIO DRC)

Narrows the dynamic range of the sound track. Useful for watching movies at low volume late at night.



- 1 Press AMP MENU.**
- 2 Press ↓/↑ repeatedly until “CUSTOMIZE” appears, then press ENTER or →.**
- 3 Press ↓/↑ repeatedly until “AUDIO DRC” appears, then press ENTER or →.**
- 4 Press ↓/↑ to select the setting.**
 - DRC OFF : no compression of dynamic range.
 - DRC STD : reproduces the sound track with the kind of dynamic range that the recording engineer intended.
 - DRC MAX : compresses dynamic range fully.
- 5 Press ENTER or AMP MENU.**

The AMP menu turns off.

Note

- AUDIO DRC only applies to Dolby Digital sources.

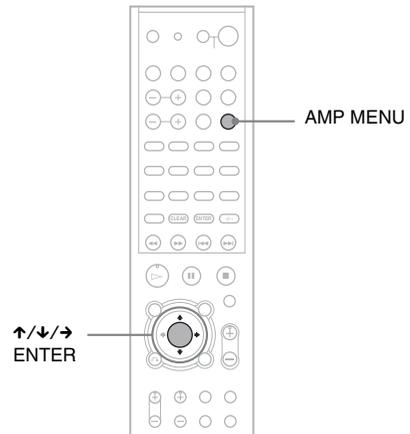
Enjoying Multiplex Broadcast Sound

(DUAL MONO)

You can enjoy multiplex broadcast sound when the system receives an AC-3 multiplex broadcast signal.

Note

- To receive AC-3 signal, you need to connect a digital satellite tuner to the system with an optical cable or coaxial cable, and set the digital output mode of the digital satellite tuner to AC-3.



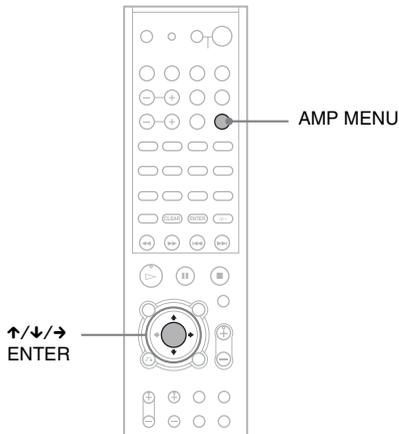
- 1 Press AMP MENU.**
- 2 Press ↓/↑ repeatedly until “CUSTOMIZE” appears, then press ENTER or →.**
- 3 Press ↓/↑ repeatedly until “DUAL MONO” appears, then press ENTER or →.**
- 4 Press ↓/↑ to select the sound you want.**
 - MAIN: plays back only the main channel.
 - SUB: plays back only the sub channel.
 - MAIN+SUB: mixed playback of the main and sub channels.
 - MAIN/SUB: main sound is output from the left speaker and sub sound is output from the right speaker.
- 5 Press ENTER or AMP MENU.**

The AMP menu turns off.

Adjusting the Delay Between the Picture and Sound

(A/V SYNC)

If picture and sound are not synchronized, you can adjust the delay between picture and sound.



- 1 Press AMP MENU.**
- 2 Press ↓/↑ repeatedly until “CUSTOMIZE” appears, then press ENTER or →.**
- 3 Press ↑/↓ repeatedly until “A/V SYNC” appears, then press ENTER or →.**
- 4 Press ↑/↓ to select the setting.**
 - SYNC OFF: does not adjust.
 - SYNC ON: adjusts the difference between picture and sound.
- 5 Press ENTER or AMP MENU.**

The AMP menu turns off.

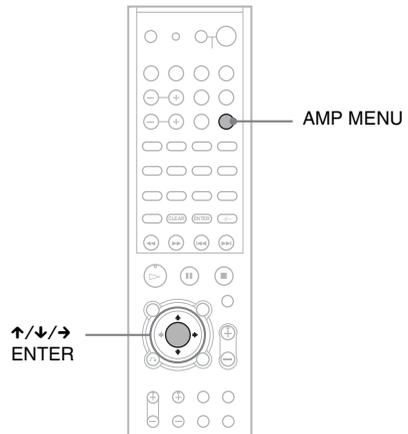
Note

- Depending on the input stream, this function may not be effective.

Changing the Brightness of the Front Panel Display

(DIMMER)

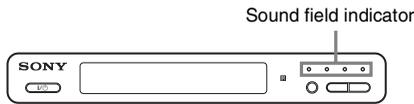
The brightness of the front panel display can be set to one of 2 levels.



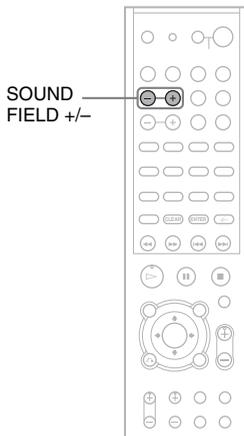
- 1 Press AMP MENU.**
- 2 Press ↓/↑ repeatedly until “CUSTOMIZE” appears, then press ENTER or →.**
- 3 Press ↑/↓ repeatedly until “DIMMER” appears, then press ENTER or →.**
- 4 Press ↑/↓ to select the brightness of the front panel display.**
 - DIMMER OFF: bright lighting.
 - DIMMER ON: low lighting. Turns off the lighting when the power is off.
- 5 Press ENTER or AMP MENU.**

The AMP menu turns off.

Selecting the sound field



This system can create 5.1 channel surround sound. You can take advantage of this front surround sound simply by selecting one of system's preprogrammed sound fields. They bring the exciting and powerful sound of movie theaters into your home.



Enjoying Front Surround Sound Using Sound Field

Press SOUND FIELD +/-.

The present sound field appears. Press SOUND FIELD +/- repeatedly until the sound field you want appears. The selected sound field indicator on the front panel lights up*.

* When you press SOUND FIELD +/- and the selected field is AUTO, AUTO and the selected sound field indicator (FRONT SURROUND or 2CH STEREO) light up.

Available sound fields

Sound field	Display
AUTO	AUTO MODE
FRONT SURROUND	FRONT SURR*
2CH STEREO	2CH STEREO
NEWS	NEWS

* Using S-Force PRO Front Surround technology.

About S-Force PRO Front Surround

Sony's long-term involvement in surround technology (and the vast amounts of acoustic data accumulated as a result) has led to the development of all-new processing method and advanced DSP to handle this task effectively, which we call S-Force PRO Front Surround. Compared with previous front surround technologies, S-Force PRO Front Surround reproduces a more convincing sense of distance and space, resulting in a true surround sound experience without the need for rear speakers.

Automatic outputting of the original sound

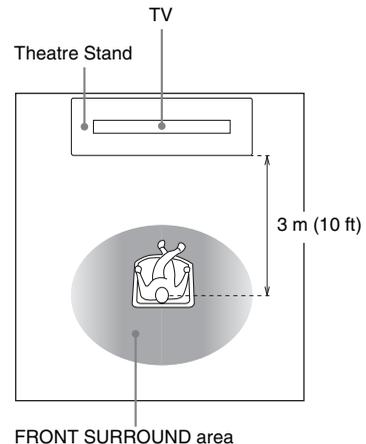
■ AUTO

This mode selects the sound field automatically, according to the type of audio signal being input.

Enjoying the Front Surround Sound System

■ FRONT SURROUND

You can enjoy surround sound in FRONT SURROUND area as illustrated below.



Outputting 2 channel sources

■ 2CH STEREO

This mode outputs 2 channel sound regardless of the audio signal type being input.

Outputting sound sources from TV

■ NEWS

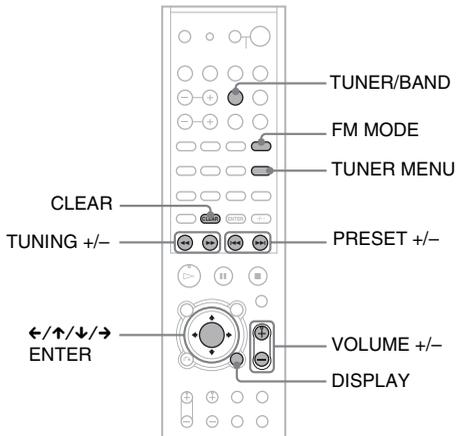
This mode clearly reproduces human voice in TV programs, such as news programs or dramas.

Tip

- The system memorizes the last sound field selected for each input. In TUNER function mode, the same sound field is memorized for both FM and AM.

Other operations

Listening to the radio



Presetting radio stations

You can preset 20 FM stations, and 10 AM stations. Before tuning, make sure to turn down the volume to minimum.

- 1 Press **TUNER/BAND** repeatedly until the band you want appears.
- 2 Press and hold **TUNING +** or **-** until the auto scanning starts.
Scanning stops when the system tunes in a station. “TUNED” and “ST” (for stereo program) appear.



- 3 Press **TUNER MENU** repeatedly until “Memory?” appears.
- 4 Press **ENTER**.
A preset number appears.

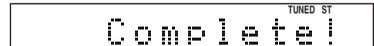


- 5 Press **↑/↓** to select the preset number you want.



- 6 Press **ENTER**.

The station is stored.



- 7 Repeat 1 to 6 to store other stations.

To change the preset number

Restart from Step 1.

Listening to the radio

Preset radio stations in the system’s memory first (see “Presetting radio stations” (page 19)).

- 1 Press **TUNER/BAND** repeatedly until “FM” or “AM” appears.

The last received station is tuned in.



- 2 Press **PRESET +** or **-** repeatedly to select the preset station you want.

Each time you press the button, the system tunes in one preset station.

- 3 Adjust the volume by pressing **VOLUME +/-**.

To turn off the radio

Press **I/⏻**.

To listen to non-preset radio stations

Use manual or automatic tuning in Step 2.

For manual tuning, press **TUNING +** or **-** repeatedly.

For automatic tuning, press and hold **TUNING +** or **-**. Press **TUNING +** or **-** to stop the automatic tuning.

Tip

- If an FM program is noisy, press **FM MODE** so that “MONO” appears. There will be no stereo effect, but the reception will improve. Press the button again to restore the stereo effect.
- To improve reception, reorient the supplied antennas.

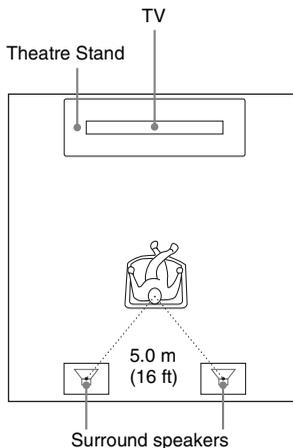
Using optional speakers in 5.1CH mode

Positioning optional speakers

You can connect your optional speakers to this system as surround speakers.

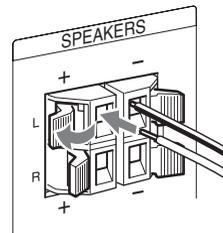
The optional speakers should be placed up to 5.0 m (16 ft) from the listening position.

Place the optional speakers as illustrated below.



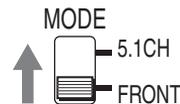
Connecting the speakers

Connecting the speakers



Switching from FRONT mode to 5.1CH mode

- 1 Slide the 5.1CH/Front mode switch on the rear panel.



- 2 Turn off the power and turn on again. "5.1CH MODE" appears.

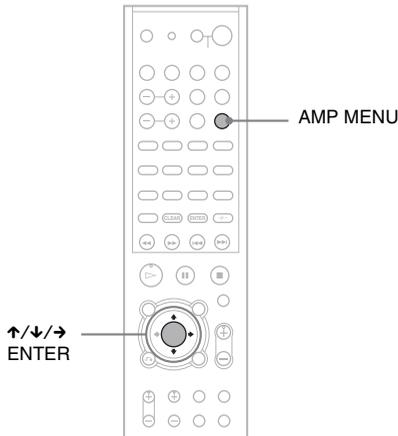
To switch from 5.1CH mode to FRONT mode

- 1 Slide the 5.1CH/Front mode switch on the rear panel.
- 2 Turn off the power and turn on again. "FRONT MODE" appears.

Setting up the surround speakers

To obtain the best possible surround sound, set for the size of the speakers you have connected and their distance from your listening position.

Default settings are underlined>.



- 1 Press AMP MENU.**
- 2 Press ↑/↓ repeatedly until “SP SETUP” or “LEVEL” appears, then press ENTER or →.**
- 3 Select an item using ↑/↓, then press ENTER or →.**
- 4 Select a setting using ↑/↓, then press ENTER.**
The setting is selected and setup is complete.

SP SETUP menu parameters

■ SURRE SP (surround speakers)

[SURRE YES] Select this if surround speakers are connected.

[SURRE NO] Select this if no surround speakers are connected.

■ FRONT DIST (front speaker distance)

Default setting: 3.0 meters (10 ft)

You can set in 0.2 meter (1 ft) increments from 1.0 to 7.0 meters (4 to 23 ft).

■ SURRE DIST (surround speaker distance)

Default setting: 3.0 meters (10 ft)

You can set in 0.2 meter (1 ft) increments from 0.0 to 7.0 meters (0 to 23 ft).

Note

- The value you can set for SURRE DIST differs depending on the value you have set for FRONT DIST.

LEVEL menu parameters

You can adjust the level of the speakers. Use the test tone for easy adjustment (see “To set the speaker level by using the test tone” on page 23).

■ TEST TONE

[T.TONE OFF] Emits no test tone.

[T.TONE ON] Emits test tone from the speakers in turn.

■ FL LEVEL (front left speaker level)

Default setting: 0 dB

You can set in 1 dB increments from -6 dB to 0 dB.

■ CEN LEVEL (center speaker level)

Default setting: 0 dB

You can set in 1 dB increments from -6 dB to +6 dB.

■ FR LEVEL (front right speaker level)

Default setting: 0 dB

You can set in 1 dB increments from -6 dB to 0 dB.

■ SR LEVEL (surround right speaker level)

Default setting: 0 dB

You can set in 1 dB increments from -6 dB to +6 dB.

■ SL LEVEL (surround left speaker level)

Default setting: 0 dB

You can set in 1 dB increments from -6 dB to +6 dB.

■ SW LEVEL (subwoofer level)

Default setting: 0 dB

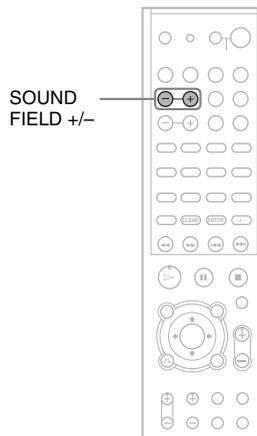
You can set in 1 dB increments from -6 dB to +6 dB.

To set the speaker level by using the test tone

- 1** Press AMP MENU.
- 2** Press ↓/↑ repeatedly until “LEVEL” appears, then press ENTER or →.
- 3** Press ↓/↑ to select “TEST TONE”, and press ENTER or →.
- 4** Press ↓/↑ to select “T.TONE ON”.
The speakers emit the test tone in turn.
- 5** Press ← to return, and then press ↓/↑ to select a speaker:
“FL LEVEL” (front left speaker level)
“CEN LEVEL” (center speaker level)
“FR LEVEL” (front right speaker level)
“SR LEVEL” (surround right speaker level)
“SL LEVEL” (surround left speaker level)
“SW LEVEL” (subwoofer level).
- 6** Press ENTER or →.
The selected speaker emits the test tone.
- 7** From your listening position, adjust the speaker level by pressing ↓/↑.
- 8** Repeat steps 5 to 7 to adjust the other speaker levels.
- 9** When you finish adjusting levels, press ← to return.
- 10** Press ↓/↑ to select “TEST TONE”, and press ENTER or →.
- 11** Press ↓/↑ to select “T.TONE OFF”, and press AMP MENU to turn off the AMP menu.

Selecting the sound field

You can take advantage of surround sound simply by selecting one of system’s preprogrammed sound fields. They bring the exciting and powerful sound of movie theaters into your home.



Press SOUND FIELD +/-.

The present sound field appears.
Press SOUND FIELD +/- repeatedly until the sound field you want appears. The selected sound field indicator on the front panel lights up.

All sound fields in 5.1CH mode

Sound field	Display
AUTO FORMAT DIRECT AUTO	A.F.D. AUTO
Dolby Pro Logic	PRO LOGIC
Dolby Pro Logic II MOVIE	PLII MOVIE
Dolby Pro Logic II MUSIC	PLII MUSIC
2CH STEREO	2CH STEREO
NEWS	NEWS
MULTI ST.	MULTI ST.

Automatic outputting of the original sound

■ AUTO FORMAT DIRECT AUTO

The auto decoding function automatically detects the type of audio signal being input (Dolby Digital, DTS, or standard 2 channel stereo) and performs the proper decoding if necessary. This mode presents the sound as it was recorded/encoded, without adding any effects (e.g. reverberation).

However, if there are no low frequency signals (Dolby Digital LFE, etc.), it will generate a low frequency signal for output to the subwoofer.

Outputting 2 channel sources like CDs by 5.1 channel

■ Dolby Pro Logic

Dolby Pro Logic produces five output channels from 2 channel sources. This mode performs Pro Logic decoding to the input signal and output to front, center, and surround speakers. Meanwhile, the surround channel becomes monaural.

■ Dolby Pro Logic II MOVIE/MUSIC

Dolby Pro Logic II produces five full-bandwidth output channels from 2 channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.

Note

- When the input signal is multi channel source, Dolby Pro Logic and Dolby Pro Logic II MOVIE/MUSIC are canceled and the multi channel source is output directly.
- When the bilingual broadcast sound is input, Dolby Pro Logic and Dolby Pro Logic II MOVIE/MUSIC are not effective.

Using only the front speaker and subwoofer

■ 2CH STEREO

This mode outputs 2 channel sound regardless of the audio signal type being input.

Outputting sound sources from TV

■ NEWS

This mode clearly reproduces human voice in TV programs, such as news programs or dramas.

Outputting 2 channel sources from the front, center, and surround speakers

■ MULTI ST.

This mode outputs 2 channel sources from the front, center, and surround speakers simultaneously. The sound that is output from the surround speakers is same as the sound that is output from the front speakers.

Tip

- The system memorizes the last sound field selected for each input. In TUNER function mode, the same sound field is memorized for both FM and AM.

Additional Information

Troubleshooting

If you experience any of the following difficulties while using the system, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.

General

The power is not turned on.

- Check that the AC power cord is connected securely.

If “PROTECT” and “UNPLUG” appears alternately.

Immediately unplug the AC power cord and check the following items.

- Check that the speaker cords of the optional speakers are not short-circuited.
- Is anything blocking the ventilation holes of the system?

After checking the above items and fixing any problems, connect the AC power cord again and turn on the system. If the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.

Dolby Digital or DTS multi channel sound is not reproduced.

- Check that the playing DVD, etc, is recorded in Dolby Digital or DTS format.
- When connecting the DVD player, etc, to the digital input jacks of this system, check that audio setting (settings for the audio output) of the connected component.
- Check that the DVD player selects the correct settings. (Check the sound from DVD menu.)

The surround effect cannot be obtained.

- Press SOUND FIELD +/-, make sure the sound field function is on.
- Depending on the digital signal, the sound field may not function.

There is no sound from one of the front speakers.

- Check that the component is connected correctly to the audio input jacks for that component.
- Check that the cords are fully inserted into the jacks on both the component and this system.

The left and right sounds are unbalanced or reversed.

- Check that the components are connected correctly and securely.
- Adjust balance parameters in the LEVEL menu.

There is no sound from the center speaker.

- Press SOUND FIELD +/- and check the selected sound field.
- Depending on the source, the sound effect from the center speaker may be less noticeable.
- Adjust the level of the speaker.

No sound or only a very low-level sound is heard from the surround speakers in FRONT mode.

- Press SOUND FIELD +/- and check the selected sound field.
- Check that the 5.1CH/Front mode switch is switched over FRONT mode.
- Turn off the system power, and turn it on after sliding the 5.1CH/Front mode switch.
- Depending on the source, the sound effect of the surround speakers may be less noticeable.

No sound is heard from the surround speakers when connected in 5.1CH mode.

- Check the settings of the surround speakers.
- Press SOUND FIELD +/- and check the selected sound field.
- Check that the 5.1CH/Front mode switch is switched over 5.1CH mode.
- Turn off the system power, and turn it on after sliding the 5.1CH/Front mode switch.
- Depending on the source, the sound effect of the surround speakers may be less noticeable.

Connected components

There is no sound or only a very low-level sound no matter which component is selected.

- Check that the speakers and components are connected correctly and securely.
- Check that both this system and the selected component are turned on.
- Check that the volume is not set to the minimum level.
- Press MUTING to cancel the muting function.

There is no sound from the selected component

- Check that the component is connected correctly to the audio input jacks for that component.
- Check that the cords are fully inserted into the jacks on both the component and this system.
- Check that the component is selected correctly.
- If you resume play a disc when volume is maximum, there may be no sound. In this case, turn down the volume, turn off the system and turn on again.

Sound is interrupted or there is noise.

- Check that you are not inputting PCM 96 kHz audio signals; this system cannot output PCM 96 kHz audio signals.

There is no picture or an unclear picture appears on the TV screen.

- You have set progressive format on your DVD player but your TV cannot accept the signal in progressive format. In this case, return the setting to interlace format on your DVD player. For details, refer to the operating instructions supplied with your DVD player.
- Even if your TV is compatible with progressive format (525p/625p) signals, the image may be affected when you set progressive format on your DVD player. In this case, return the setting to interlace format on your DVD player. For details, refer to the operating instructions supplied with your DVD player.
- Check that the TV is selected correctly.
- Set the TV to the appropriate input mode.

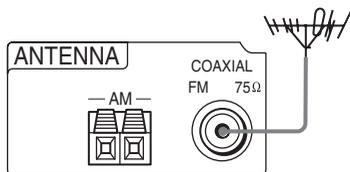
TUNER

Radio stations cannot be tuned in.

- Check that the antennas are connected securely.
- Adjust the angles of the antennas.
- Connect an external antenna if necessary.
- Use manual tuning.
- No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations).
Preset the stations.

FM reception is poor.

- Use a 75-ohm coaxial cable (not supplied) to connect the receiver to an outdoor FM antenna as shown below. If you connect the receiver to an outdoor antenna, ground it against lightning. To prevent a gas explosion, do not connect the ground wire to a gas pipe.



OTHER

The remote does not function.

- Point the remote at the remote sensor  on the system.
- Remove any obstacles in the path between the remote and the system.
- Replace both batteries in the remote with new ones, if they are weak.
- Make sure you select the correct input on the remote.

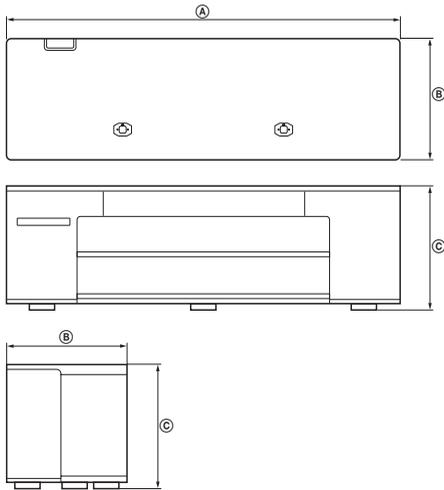
If the system still does not operate properly after performing the above measures, reset the system as follows:

Use buttons on the unit for the operation.

- 1** Press I/⏻ to turn on the power.
- 2** Press INPUT SELECTOR, VOLUME -, I/⏻ at the same time.

“COLD RESET” appears and the system is reset. AMP menu, sound field and the preset radio stations, etc., return to the default settings.

Specifications



Dimensions: mm (inch)	(A)	1,570 (61 ⁷ / ₈)
	(B)	500 (19 ³ / ₄)
	(C)	500 (19 ³ / ₄)
Weight: kg (oz)		79 (174 lb 3 oz)

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
 With 4 ohm loads, both channels driven, from 200 – 20,000 Hz; rated 40 watts per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milli watts to rated output.

Amplifier section

Surround mode (reference) power output

Front: 100 W + 100 W 4 ohms

Center*: 100 W 4 ohms

Surround*: 100 W + 100 W 4 ohms

Subwoofer*: 200 W 2 ohms

* Depending on the sound field settings and the source, there may be no sound output.

Inputs (Analog)

TV, SAT, DVD,
 VIDEO 1, VIDEO 2

Sensitivity: 610 mV

Impedance: 25 kilohms

Inputs (Digital)

TV, SAT, DVD, VIDEO 1,
 VIDEO 2 (Coaxial)

Impedance: 75 ohms

Tuner section

System

PLL quartz-locked digital synthesizer system

FM tuner section

Tuning range

87.5 – 108.0 MHz
 (100 kHz step)

Antenna

FM wire antenna

Antenna terminals

75 ohms, unbalanced

Intermediate frequency

10.7 MHz

AM tuner section

Tuning range

530 – 1,710 kHz (with the interval set at 10 kHz)
 531 – 1,710 kHz (with the interval set at 9 kHz)

Antenna

AM loop antenna

Intermediate frequency

450 kHz

Video section

Inputs/Outputs

Video: 1 V_{p-p} 75 ohms

COMPONENT:

Y: 1 V_{p-p} 75 ohms

P_B/C_B, P_R/C_R: 0.7 V_{p-p} 75 ohms

Accepts 480i/480p/720p/1080i

Speakers

Front

Speaker system	Bass reflex, magnetically shielded
Speaker unit	65 mm (2 ⁵ / ₈ inches) cone type

Center

Speaker system	Bass reflex, magnetically shielded
Speaker unit	65 mm (2 ⁵ / ₈ inches) cone type

Surround

Speaker system	Bass reflex, magnetically shielded
Speaker unit	65 mm (2 ⁵ / ₈ inches) cone type × 2

Subwoofer

Speaker system	Bass reflex, magnetically shielded
Speaker unit	160 mm (6 ³ / ₈ inches) cone type × 2

General

Power requirements	120 V AC, 60 Hz
Power consumption	On: 120 W Standby: 0.3 W (at the Power Saving Mode)
Dimensions (approx.)	1,570 × 500 × 570 mm (61 ⁷ / ₈ × 19 ³ / ₄ × 22 ¹ / ₂ inches) (w/h/d) incl. projecting parts
Mass (approx.)	79 kg (174 lb 3 oz)
Supplied accessories	AM loop antenna (1) FM wire antenna (1) Input Box (4) System cable (4) Optical cable (1) Video cord (blue/green/red) (1) Video cord (yellow) (1) Remote commander (remote) (1) Size AA (R6) batteries (2) Operating Instructions (1) Quick Setup Guide (card) (1)

Optional passive speaker*

Rated impedance 4 ~ 16 ohms

* SS-MB150H is recommended as optional passive speakers.

Design and specifications are subject to change without notice.

Glossary

Dolby Digital

This movie theater sound format is more advanced than Dolby Surround Pro Logic. In this format, the surround speakers output stereo sound with an expanded frequency range, and a subwoofer channel for deep bass is independently provided. This format is also called “5.1” with the subwoofer channel designed as the 0.1 channel (since it functions only when a deep bass effect is needed). All six channels in this format are recorded separately for superior channel separation. Furthermore, since all the signals are processed digitally, less signal degradation occurs.

Dolby Pro Logic II

Dolby Pro Logic II creates five full-bandwidth output channels from 2 channel sources. This is done using an advanced, high-purity matrix surround decoder that extracts the spatial properties of the original recording without adding any new sounds or tonal colorations.

DTS

Digital audio compression technology developed by Digital Theater Systems, Inc. This technology conforms to 5.1-channel surround. This format comprises of stereo rear channel and there is discrete subwoofer channel in this format. DTS provides the same 5.1 discrete channels of high quality digital audio. The good channel separation is realized due to the all channel data being recorded discretely and processed in digitally.

S-Force PRO Front Surround

Sony’s long-term involvement in surround technology (and the vast amounts of acoustic data accumulated as a result) has led to the development of all-new processing method and advanced DSP to handle this task effectively, which we call S-Force PRO Front Surround. Compared with previous front surround technologies, S-Force PRO Front Surround reproduces a more convincing sense of distance and space, resulting in a true surround sound experience without the need for rear speakers.

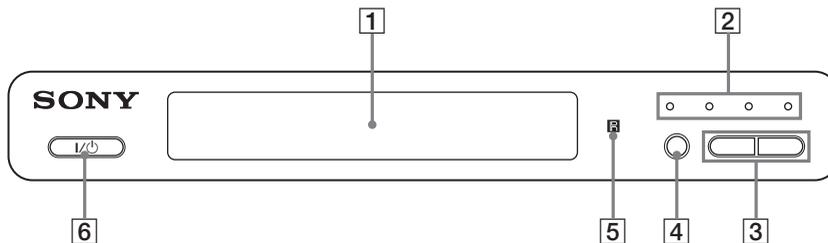
S-Master

S-Master is an all-digital amplifier technology developed by Sony, which effectively minimizes the occurrence of sound fragmentation and jitter, delivering superb dialog clarity and faithful reproduction of the original sound. The compact amplifier section supports a higher power efficiency and improved thermal performance.

Index to Parts and Controls

For more information, refer to the pages indicated in parentheses.

Front panel



1 Front panel display (30)

2 Sound field indicator (17)

3 VOLUME +/- (26)

4 INPUT SELECTOR (20, 26)

5  (remote sensor) (26)

6 I/⏻ (on/standby) (20, 26)

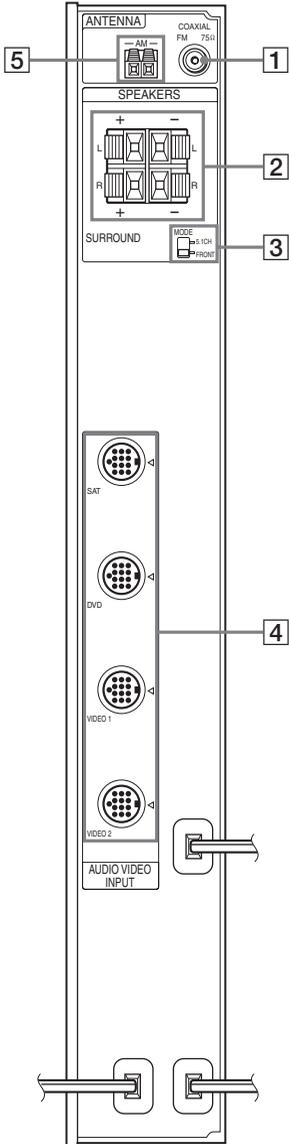
Front panel display

About the indications in the front panel display



- 1 Current surround format
- 2 Lights up in SLEEP mode. (20)
- 3 Lights up when A/V SYNC is functioning. (16)
- 4 Lights up when a radio station is tuned. (19)
- 5 Lights up when a stereo broadcast is tuned. (19)
- 6 Lights up when listening to the radio in monaural effect. (19)

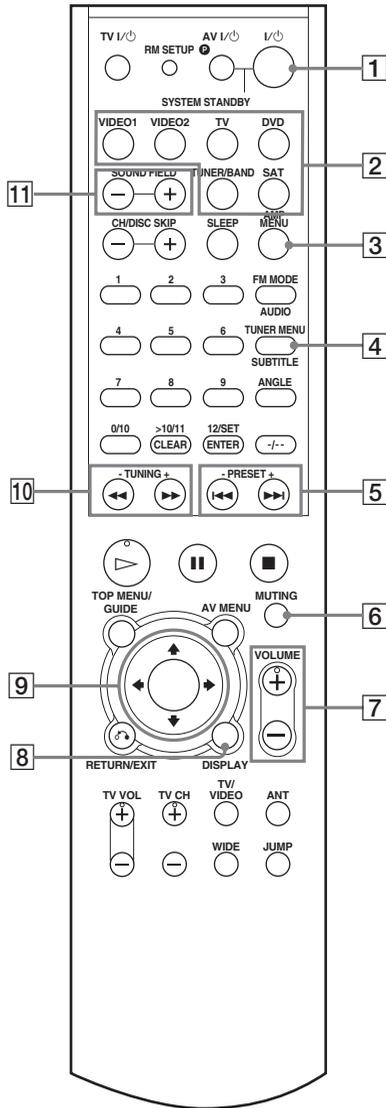
Rear panel



- 1 COAXIAL FM 75Ω jack
- 2 SPEAKERS jacks (21)
- 3 5.1CH/FRONT mode switch (21)
- 4 AUDIO VIDEO INPUT jacks
- 5 AM terminal

Remote control

Here describes the buttons for amplifier operation only. See page 12 for the buttons for operation of the connected components.



- 1 I/⏻ (on/standby)
- 2 Input buttons
- 3 AMP MENU (14, 15, 16, 22)
- 4 TUNER MENU (19)
- 5 PRESET +/- (19)
- 6 MUTING
- 7 VOLUME +/- (19)
The VOLUME + button has a tactile dot.*
- 8 DISPLAY (19)
- 9 ←/↑/↓/→/ENTER (14, 15, 16, 19, 22)
- 10 TUNING +/- (19)
- 11 SOUND FIELD +/- (17, 23)

* Use the tactile dot as a reference when operating the system.

