

Home Theatre System

Operating Instructions HT-CT350



WARNING

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.

Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Batteries or batteries installed apparatus shall not be exposed to excessive heat such as sunshine, fire or the like.

In door use only.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please

contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.



Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives.

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses given in separate service or guarantee documents.

Precautions

On safety

- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- Do not climb on the subwoofer, as you may fall down and injure yourself, or system damage may result.

On power sources

- Before operating the system, 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 subwoofer.
- If you are not going to use the system for a long time, be sure to disconnect the system from the wall outlet (mains). To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- AC power cord (mains lead) must be changed only at the qualified service shop.

On heat buildup

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

On placement

- Place the system in a location with adequate ventilation to prevent heat buildup and prolong the life of the system.
- Do not place the system near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place anything at the rear of the subwoofer that might block the ventilation holes and cause malfunctions.
- Do not place the system near equipment such as a TV, VCR, or tape deck. (If the system is being used in combination with a TV, VCR, or tape deck, and is placed too close to that equipment, noise may result, and picture quality may suffer. This is especially likely when using an indoor antenna. Therefore, we recommend using an outdoor antenna.)
- Use caution when placing the system 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 system.

If you encounter color irregularity on a nearby TV screen

The system is magnetically shielded to allow it to be installed near a TV set. However, color irregularities may still be observed on certain types of TV sets.

If color irregularity is observed...

Turn off the TV set, then turn it on again after 15 to 30 minutes.

If color irregularity is observed again...

Place the system further away from the TV set.

On cleaning

Clean the system with a soft dry cloth. 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 system, please consult your nearest Sony dealer.

Copyrights

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.

** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and the Symbol are registered trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

This system incorporates High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

“BRAVIA Sync” is a trademark of Sony Corporation.

“PlayStation” is a registered trademark of Sony Computer Entertainment Inc.

“x.v.Colour (x.v.Color)” and “x.v.Colour (x.v.Color)” logo are trademarks of Sony Corporation.

Table of contents

Precautions	3	Using the power saving function.....	41
Getting Started		(HDMI PASS THRU)	
Unpacking	5	Setting the Audio Return Channel function	
Positioning the system	7	to off.....	42
Warning about installing the system's		Advanced Settings	
speaker to the TV stand or a wall	9	Controlling connected Sony components	
Connecting the speaker	21	with the remote	43
Connecting the TV and player, etc.	22	Changing the input button assignments of	
Connecting other components.....	24	the remote	46
Connecting the antenna (aerial)	25	Settings and adjustments using the	
Connecting the AC power cord (mains		amplifier menu	48
lead)	26	Additional Information	
Setting up the sound output of the		Troubleshooting	52
connected component	26	Specifications	54
Playback Options		Index.....	57
Index to parts and controls	27		
Enjoying TV.....	29		
Enjoying other components	30		
Tuner Functions			
Direct tuning	32		
Presetting radio stations	33		
Listening to the radio	33		
Naming preset stations	34		
Viewing the station name or frequency in			
the front panel display	35		
Using the Radio Data System (RDS).....	35		
Surround Function			
Enjoying the surround effect.....	37		
“BRAVIA” Sync Features			
What is “BRAVIA” Sync?.....	38		
Preparing for “BRAVIA” Sync	38		
Enjoying Blu-ray Disc/DVD.....	39		
(One-Touch Play)			
Enjoying the TV sound from the			
system.....	40		
(System Audio Control)			
Turning off the system, TV and the			
connected components.....	41		
(System Power Off)			

Getting Started

Unpacking

- Subwoofer (SA-WCT350) (1)
- Remote commander (RM-AAU074) (1)
- Screws for the extension bracket (large, +PSW5 × 16 mm) (6)



- Speaker (SS-CT350) (1)



- Screws for the rear cover (small, M3 × 8 mm) (1)



- AM loop antenna (aerial) (1)



- R6 (size AA) batteries (2)



- FM wire antenna (aerial) (1)



- WS-CT350EB

- Extension bracket (1)



- Screw for the support belt (+PSW4 × 20 mm) (1)



or



- Rear cover A (1)



- Wood screw for the support belt (M3.8 × 20 mm) (1)



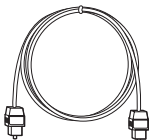
- Speaker cord (1)



- Clamp screw (2)



- Digital optical cord for a TV (2.5 m) (1)



- Rear cover B (1)



- Warranty (1)
- Operating Instructions (1)

- Rear cover C (1)




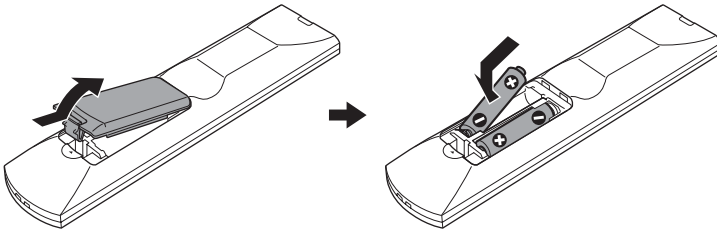
- Cover for the TV (1)



continued

Inserting batteries into the remote

Insert two R6 (size AA) batteries (supplied) by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment. To use the remote, point it at the remote sensor  in the front panel display of the subwoofer.



Notes

- 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 sunlight 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.

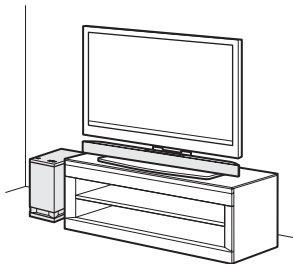
Positioning the system

The illustrations below are examples of how to install the subwoofer and speaker.

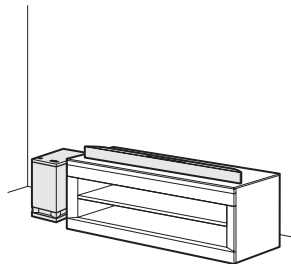
You can install the speaker with the following TV models (not supplied):

- KDL-40/46LX90□, KDL-40/46NX80□,
KDL-40/46HX80□, KDL-40/46EX70□,
KDL-40/46NX70□

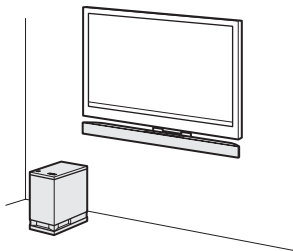
* In the actual model names, the "□" indicates numbers and/or characters specific to each model.



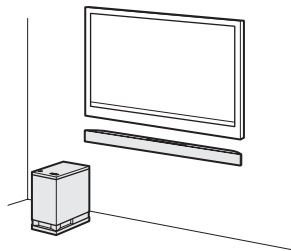
For details, see "Installing the speaker on the TV stand" (page 12).



Install the speaker on a rack.



For details, see "Hanging the speaker and TV on a wall" (page 16).



For details, see "Installing the speaker on a wall" (page 20).

Note

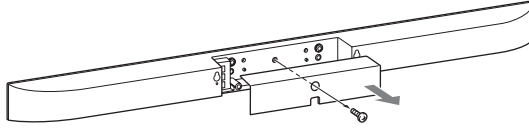
- Do not block the heat ventilation on the rear panel of the subwoofer.

continued

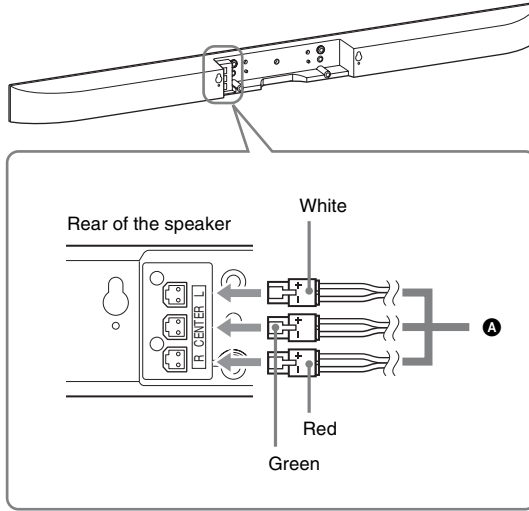
Connecting the speaker cord to the speaker

The connectors of the speaker cord are color-coded depending on the type of speaker. Connect the connectors of the speaker cord to match the color of the speaker jacks.

- 1 Remove the screw of the cover at the rear of the speaker, and then remove the cover.**

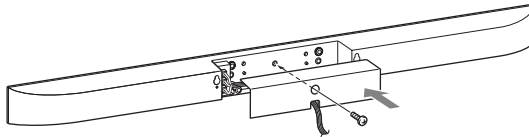


- 2 Connect the speaker cord.**



- 3 Guide the speaker cord through the square notch at the bottom of the cover, and then reattach the cover to the speaker and secure it with the screw removed in step 1.**

If you install the speaker to the TV, do not reattach the cover. Perform the steps in “Installing the speaker on the TV stand” (page 12), or “Hanging the speaker and TV on a wall” (page 16).



Notes

- When you install the speaker or a TV on a wall, be careful not to stumble over the cord connected to the speaker.
- Be careful not to pinch the speaker cord when you reattach the cover.

Warning about installing the system's speaker to the TV stand or a wall

To Customers

Sufficient expertise is required for installing this product. Be sure to subcontract the installation to Sony dealers or licensed contractors and pay special attention to safety during the installation. Sony is not liable for any damages or injury caused by mishandling or improper installation, or installing anything other than the specified product. Your statutory rights (if any) are not affected.

On Safety

Products by Sony are designed with safety in mind. If the products are used incorrectly, however, it may result in a serious injury through fire, electric shock, the product toppling over, or the product dropping. Be sure to observe the precautions for safety to prevent such accidents.

WARNING

If the following precautions are not observed, serious injury or death through fire or electric shock, the product toppling over or falling can result.

Do not drop the products or install them where there is a possibility of them falling down.

- Be sure to subcontract installing, moving or dismantling the products to licensed contractors and keep small children away during the procedure.
- Unauthorized installation may result in serious injury or property damage.
- Having an unauthorized dealer carry or dismount the SS-CT350 speaker or SS-CT350 speaker-installed TV may lead to the products' falling and result in serious injury or property damage. Make sure that two or more persons carry or dismount the product(s).
- Do not remove screws, etc., after mounting the SS-CT350 speaker or SS-CT350 speaker-installed TV.

- Do not handle the products with excessive force during cleaning or maintenance.
- If you hang the SS-CT350 speaker or SS-CT350 speaker-installed TV on a fragile wall or a wall whose surface is not flat or perpendicular, the product(s) may fall and cause injury or property damage.
- If the SS-CT350 speaker or SS-CT350 speaker-installed TV is not installed firmly on the wall, the product(s) may fall and cause injury or property damage.



Do not place any object on the products.

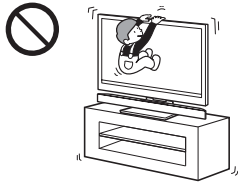
- Do not put anything on the products. If you do so, the system may fall and cause injury or property damage.



continued

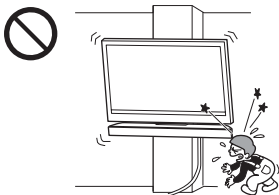
Do not lean or hang on the products.

- Do not lean or hang on the products, as they may fall on you and cause serious injury.



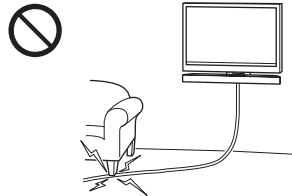
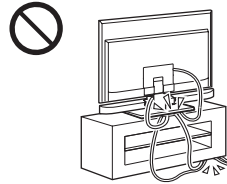
Pay attention to the location.

- Do not install the products on wall surfaces such as a pillar, where the corners or the sides of the products protrude away from the wall surface. If a person or object happens to hit the protruded corner or side of the products, it may cause injury or property damage.
- Do not expose the products to rain or moisture, or spill liquid of any kind on them. It may cause a fire or electric shock.
- Never place the products in hot, humid or excessively dusty places, or in a place where they are subject to mechanical vibrations. Doing so may cause a fire or electric shock.
- Keep flammable objects or open flames (e.g., candles) away from the products.
- Do not install the products over or under an air conditioner. If the products are exposed to wind from the air conditioner for an extended period of time, or get wet by water leakage from the air conditioner, this may cause a fire, an electric shock, or malfunctions.



Do not allow the cords to be pinched.

- If the AC power cord (mains lead) or connecting cords are pinched between the products and the wall, floor, or other object, or bent or twisted by force, the internal conductors may become exposed and cause a short circuit or an electrical break. This may cause a fire or an electric shock.
- Do not step on the AC power cord (mains lead) or connecting cords when you carry the products. The cord may be damaged, and this may result in a fire or electric shock.



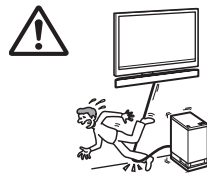
Do not cover the ventilation holes of the products.

- If you cover the ventilation holes (with a cloth, etc.), heat may build up inside and cause a fire.



Do not stumble over the cords.

- You may trip, or may cause the products to topple over and cause injury.



CAUTION

If the following precautions are not observed, injury or property damage may occur.

Do not install any equipment other than the specified product.

- The WS-CT350EB accessories (supplied) are designed for use with the specified equipment only. If you install equipment other than that specified, it may fall or break, and cause injury.
- Do not modify the products.
- Do not place anything hot directly on the products. The heat may cause discoloration or deformation of the products.

Be sure to secure the system's speaker and TV.

- Secure the SS-CT350 speaker and TV firmly when installing them together. Then, secure the SS-CT350 speaker-installed TV firmly on the stand or wall. If the SS-CT350 speaker and TV are not installed securely, they may fall or topple over, and cause injury.

Do not apply weight to the products or subject them to any kind of impact.

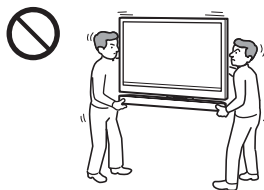
- When installing the SS-CT350 speaker to a TV stand or hanging the SS-CT350 speaker - installed TV on a wall, do not apply weight to the speaker or TV with your hand. Do not hit the speaker or TV with hard objects, such as a screwdriver, etc.

When moving the SS-CT350 speaker-installed TV

If you move the products forcefully, damage or injury may result. Be sure to follow the proper procedures and advice given below.

- Be sure that two or more persons carry the SS-CT350 speaker-installed TV, and only after unplugging and removing the connected equipment.
- Be careful not to allow your hands or feet to be pinched under the bottom of the SS-CT350 speaker-installed TV.
- When carrying the SS-CT350 speaker-installed TV, do not hold it by the SS-CT350 speaker part. Doing so may cause damage or injury.

- Do not drag the SS-CT350 speaker-installed TV. The base part may come off and damage the floor.



Notes on installation

- When assembling, spread a cloth on the floor to avoid damaging the floor.
- Install the products on a solid and flat floor.
- Be sure that two or more persons install the products. Doing it alone may result in an accident or injury.
- Be sure to keep children away during the process.

Be sure to install the products securely following the instructions.

- Tighten the screws securely. If the SS-CT350 speaker is not installed securely, it may fall and cause damage or injury.
- Be careful not to pinch your fingers or hands when assembling the products.

Notes on installation on a wall

- If you use the products installed on a wall for a long time, the wall behind or above the products may become discolored or the wallpaper may come unstuck, depending on the material of the wall.
- If the products are removed after installed on the wall, the screw holes will remain.
- Consult your licensed contractor regarding an appropriate location (free from radio noise, etc.) before installing.

continued

Installing the speaker on the TV stand

You can install the speaker with the following TV models (not supplied):

- KDL-40/46LX90□, KDL-40/46NX80□, KDL-40/46HX80□, KDL-40/46EX70□, KDL-40/46NX70□

* In the actual model names, the “□” indicates numbers and/or characters specific to each model.

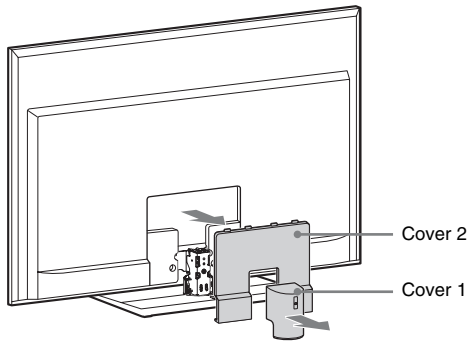
Although the shape of the TV stand base differs depending on the TV model, you can install the speaker on the TV stand following this procedure.

1 Remove covers 1 and 2 from the rear of the TV.

For details on removing the covers, refer to the operating instructions of the TV.

Note

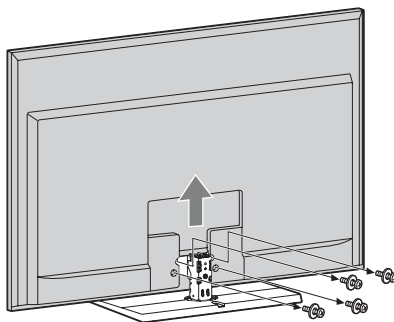
- Some Sony TVs do not have cover 2.



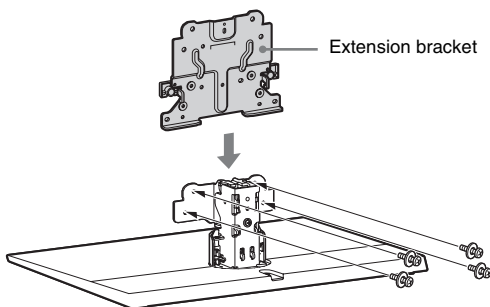
2 Remove the screws of the TV, and then detach the TV from the TV stand.

Note

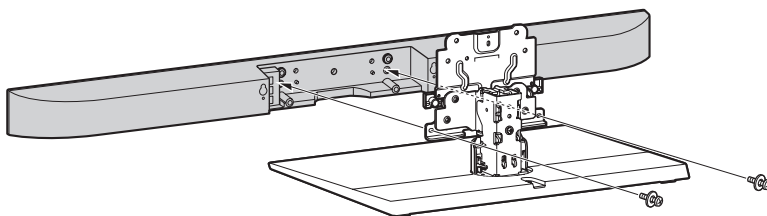
- Make sure to place the TV on a soft thick cloth with the screen side down to prevent damaging the surface of the LCD.



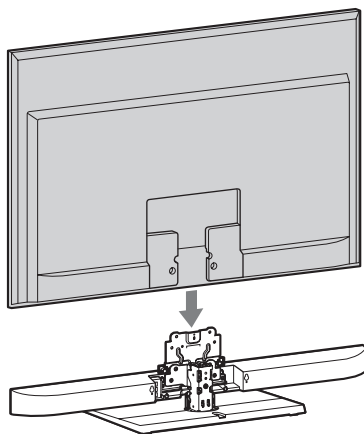
- 3** Secure the extension bracket (supplied) to the TV stand with the large screws (+PSW5 x 16 mm) (supplied).



- 4** Secure the speaker to the extension bracket with the large screws (+PSW5 x 16 mm) (supplied).

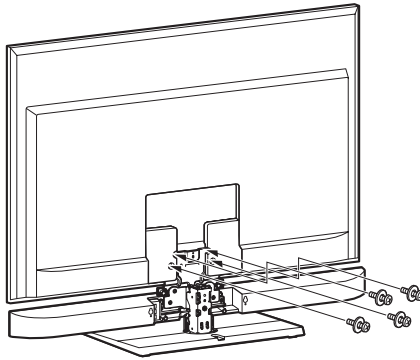


- 5** Reattach the TV.



continued

6 Secure the TV with the screws removed in step 2.

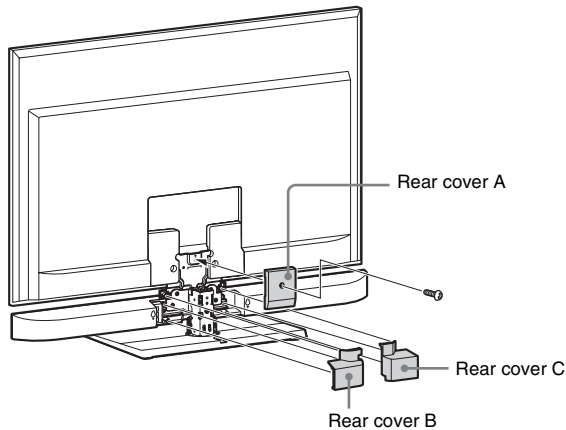


7 Attach the rear covers A, B, and C (supplied).

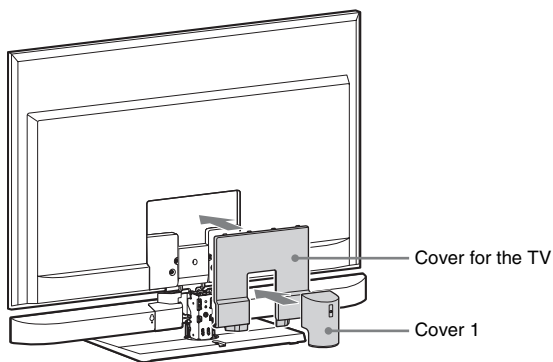
Secure the rear cover A to the extension bracket with the small screw (M3 × 8 mm) (supplied). Guide the speaker cord through the rectangular notch of the rear cover B, and insert the three projecting parts of the rear cover B into the holes on the extension bracket and the speaker. Insert the three projecting parts of the rear cover C into the holes on the extension bracket and the speaker.

Note

- When carrying the SS-CT350 speaker-installed TV, do not hold it by the SS-CT350 speaker part. Doing so may cause damage or injury.



- 8 Attach the cover for the TV (supplied) and cover 1 removed in step 1.**
Insert the two projecting parts of the cover for the TV into the holes on the TV.
For details on attaching cover 1, refer to the operating instructions of the TV.

**Note**

- As a protective measure, secure the TV. For details, see “Preventing the TV from toppling over” (page 18).

Hanging the speaker and TV on a wall

You can hang the speaker with the following TV models (not supplied):

- KDL-40/46LX90□, KDL-40/46NX80□, KDL-40/46HX80□, KDL-40/46EX70□, KDL-40/46NX70□

* In the actual model names, the “□” indicates numbers and/or characters specific to each model.

Note

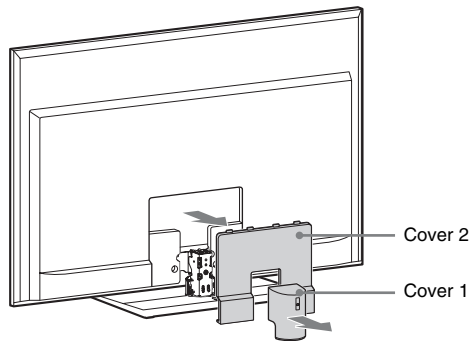
- To hang the TV on the wall, refer to the operating instructions of the TV.

1 Remove covers 1 and 2 from the rear of the TV.

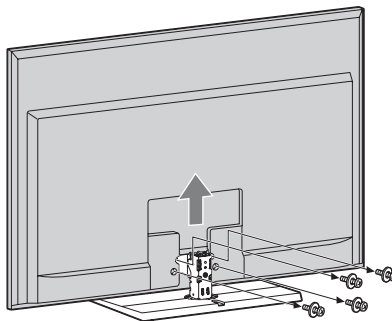
For details on removing the covers, refer to the operating instructions of the TV.

Note

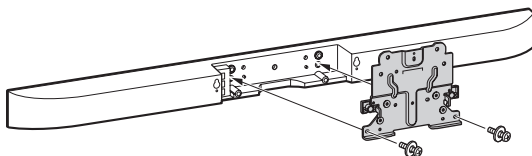
- Some Sony TVs do not have cover 2.



2 Remove the screws of the TV, and then detach the TV from the TV stand.



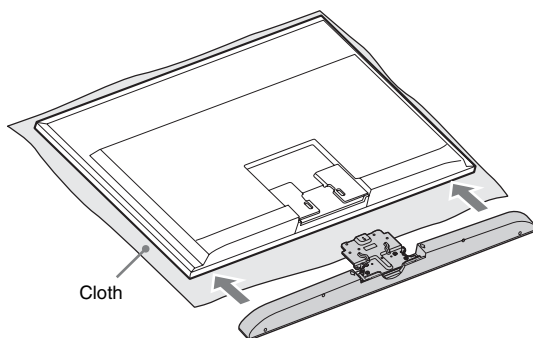
- 3** Secure the speaker to the extension bracket with the large screws (+PSW5 × 16 mm) (supplied).



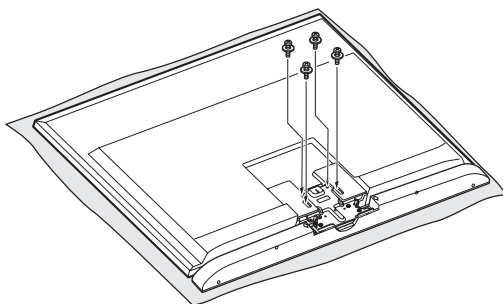
- 4** Reattach the TV.

Note

- Make sure to place the TV on a soft thick cloth with the screen side down to prevent damaging the surface of the LCD.



- 5** Secure the TV with the screws removed in step 2.



- 6** Hang the TV on the wall.

For details on hanging the TV on the wall, refer to the operating instructions of the TV.

Note

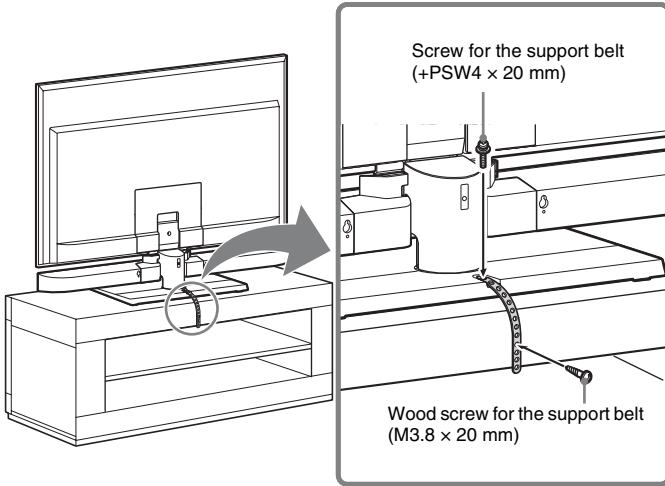
- When hanging the SS-CT350 speaker-installed TV on the wall or taking it off the wall, do not hold it by the SS-CT350 speaker part. Doing so may cause damage or injury.

continued

Preventing the TV from toppling over

As a protective measure, secure the TV. If you fail to do so, the TV may topple over resulting in serious injury.

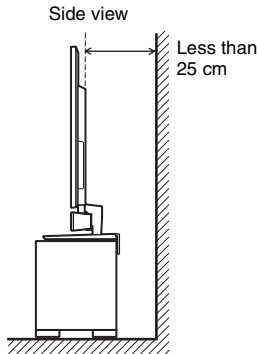
When installing the TV on a rack



- 1** Place the TV on the center of the rack.
- 2** Fit the support belt (supplied) to the TV, then firmly fasten with the screw for the support belt (+PSW4 × 20 mm) (supplied) using a screw driver.
- 3** Fasten the support belt to the rack with the wood screw for the support belt (M3.8 × 20 mm) (supplied).

Notes

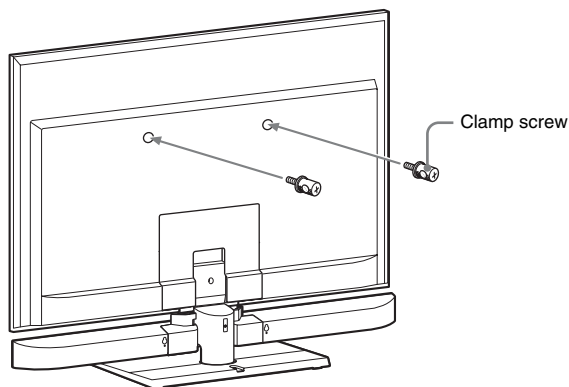
- Be careful not to pinch your fingers when setting up the TV and rack.
- Install the rack after allowing for a space of less than 25 cm from the wall. The wall will prevent the TV from falling from the rack even if the TV leans backward towards the wall.



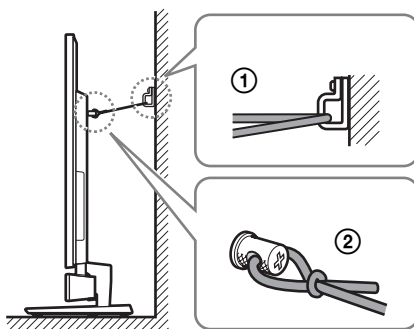
When installing the TV on the floor near a wall

Prepare strong string or chain (not supplied) and a fastener (not supplied) for fastening to the wall. Secure the fastener to a reinforced wall.

- 1** Fasten the clamp screws (supplied) to the rear of the TV.



- 2** Secure the fastener to the wall (①), and then thread the string or chain through the holes of the clamp screws and the fastener (②). Firmly tie both ends of the string or chain together.



continued

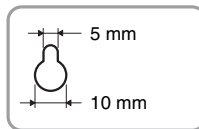
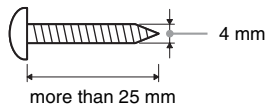
Installing the speaker on a wall

You can install the speaker on the wall.

Notes

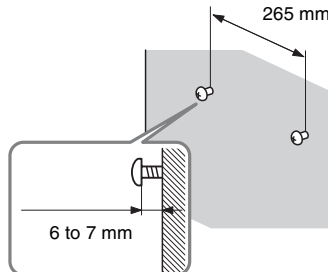
- Use screws that are suitable for the wall material and strength. As a plaster board wall is especially fragile, attach the screws securely to a wall beam. Install the speaker on a vertical and flat reinforced area of the wall.
- Be sure to subcontract the installation to Sony dealers or licensed contractors and pay special attention to safety during the installation.
- Sony is not responsible for accidents or damage caused by improper installation, insufficient wall strength, improper screw installation or natural calamity, etc.

1 Prepare screws (not supplied) that are suitable for the holes on the back of the speaker. See the illustrations below.



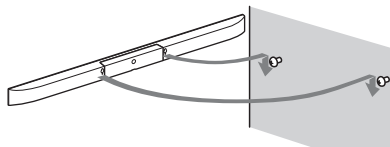
Hole on the back of the speaker

2 Fasten the screws to the wall. The screws should protrude 6 to 7 mm.



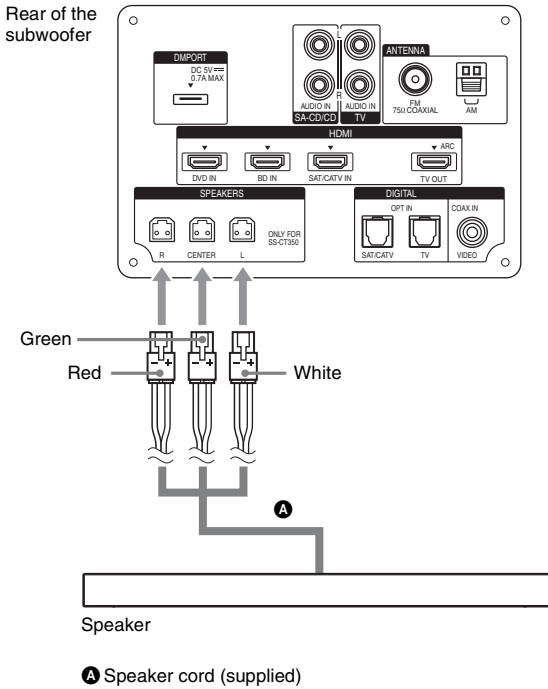
3 Hang the speaker onto the screws.

Align the holes on the back of the speaker to the screws, then hang the speaker onto the two screws.



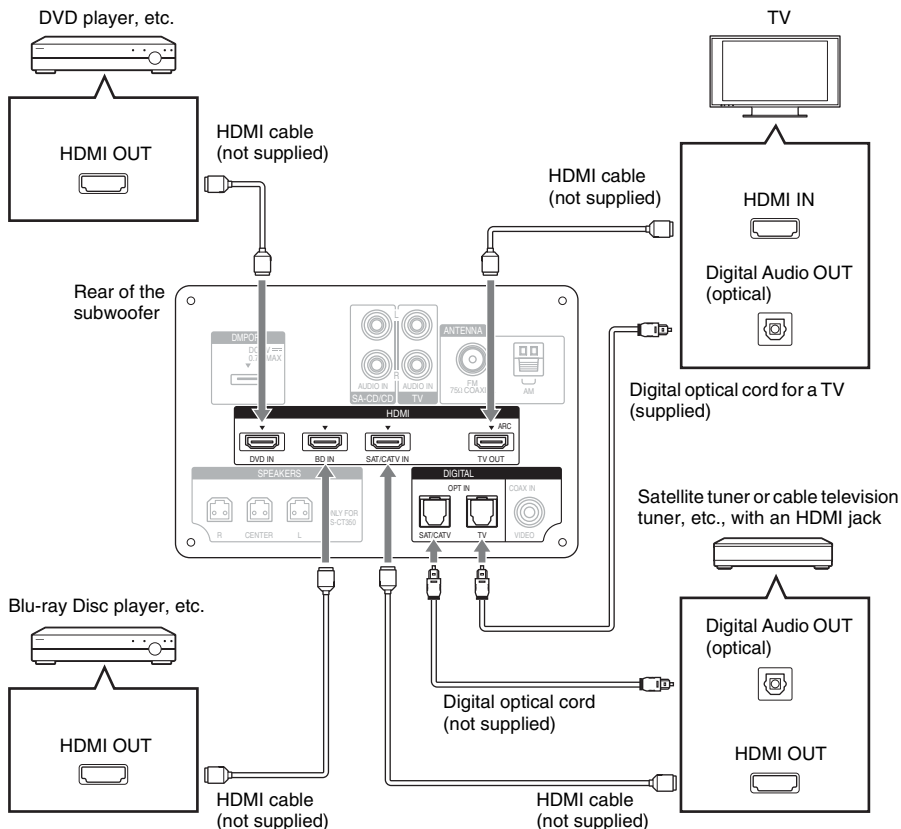
Connecting the speaker

The connectors of the speaker cord are color-coded depending on the type of speaker. Connect the connectors of the speaker cord to match the color of the SPEAKERS jacks.



Connecting the TV and player, etc.

Connect the TV and/or player, etc., with HDMI jacks to the system using an HDMI cable. By connecting Sony “BRAVIA” Sync-compatible components using HDMI cables and by setting the Control for HDMI function via the TV for each connected component, operation can be simplified. See ““BRAVIA” Sync Features” (page 38).



Notes

- The system is compatible with the Audio Return Channel (ARC) function. If you connect the system to the ARC-compatible TV's HDMI jack via an HDMI cable, you do not need to connect the TV to the system with the digital optical cord (page 42).
- You can see the letters "ARC" beside the TV's HDMI jack if it is compatible with the ARC function. Even if you connect an HDMI cable to the jack, if the HDMI input jack is not compatible with the ARC function, you cannot use the ARC function.
- The ARC function is available only when Control for HDMI is set to on.
- Depending on the satellite tuner, multi-channel sound may not be output. In this case, connect a digital optical cord in addition to an HDMI cable and set "INPUT MODE" to "OPT" in the AMP menu (page 50).
- Connect a "PlayStation 3," etc., to any available HDMI jack. All the HDMI jacks on the system function in the same way.
- The HDMI jack connections have priority when you connect different components to the system using the INPUT OPT/INPUT COAX and HDMI jacks.
- When connecting a TV that does not have a digital optical audio output jack, connect the TV to the system using an analog audio cord (not supplied).

Tip

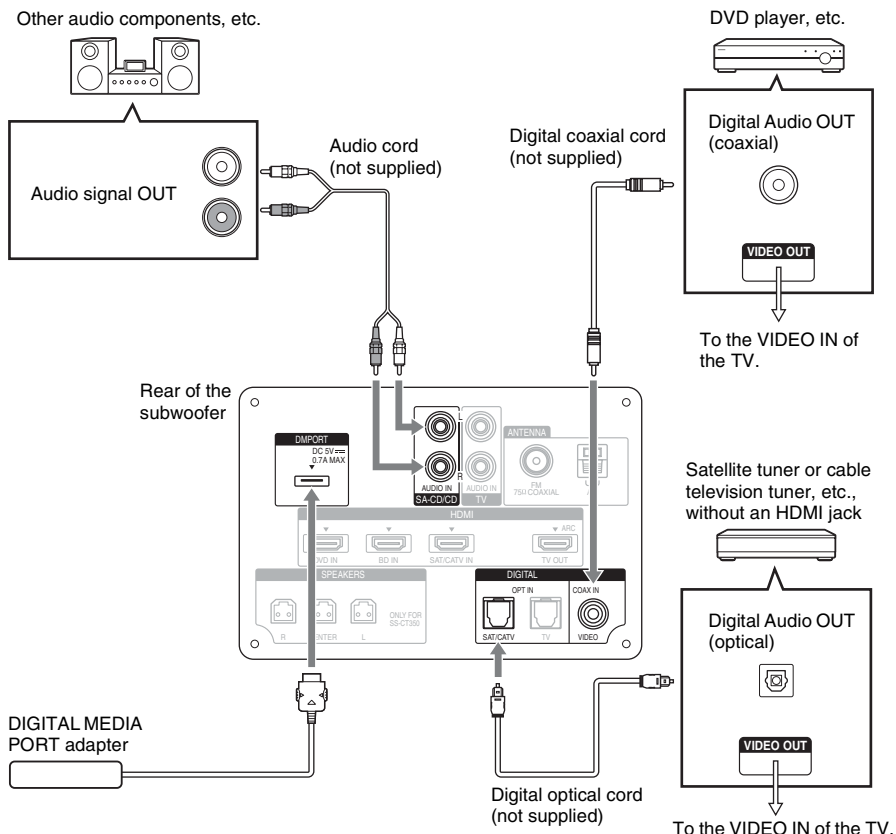
- Even if the system is turned off (active standby mode), the HDMI signal will be sent from the connected component to the TV via the HDMI connection. You can enjoy image and sound from the component on the TV.

Notes on HDMI connections

- Use a High Speed HDMI cable. If you use a Standard HDMI cable, 1080p, Deep Colour, or 3D images may not be displayed properly.
- Sony recommends that you use an HDMI-authorized cable or Sony HDMI cable.
- Check the setup of the connected component if an image is poor or the sound does not come out of a component connected via the HDMI cable.
- Audio signals (sampling frequency, bit length, etc.) transmitted from an HDMI jack may be suppressed by the connected component.
- Sound may be interrupted when the sampling frequency or the number of channels of audio output signals from the playback component is switched.
- When the connected component is not compatible with copyright protection technology (HDCP), the image and/or the sound from the HDMI TV OUT jack may be distorted or may not be output. In this case, check the specification of the connected component.
- We do not recommend using an HDMI-DVI conversion cable.
- When "TV," "DMPORT," "SA-CD/CD," "VIDEO," "TUNER FM," or "TUNER AM" is selected for the input source of the system, video signals via the HDMI input jack (BD, DVD, SAT/CATV) that was selected last time are output from the HDMI TV OUT jack.
- This system supports Deep Colour, "x.v.Colour," and 3D transmission.
- To enjoy 3D images, connect 3D-compatible TV and video components (Blu-ray Disc player, Blu-ray Disc recorder, "PlayStation 3," etc.) to the system using High Speed HDMI cables, put on 3D glasses, and then play back 3D-compatible content.

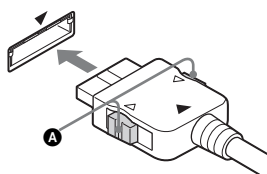
Connecting other components

When connecting components that do not have HDMI jacks, such as a “PlayStation 2,” a DVD player, a satellite tuner, or a cable television tuner, etc., set “CTRL HDMI” to “OFF” in the AMP menu of the system (page 39).



Notes

- Do not connect or disconnect the DIGITAL MEDIA PORT adapter while the system is turned on.
- When you connect the DIGITAL MEDIA PORT adapter, be sure the connector is inserted with the arrow mark facing toward the arrow mark on the DMPORT jack. To detach the DIGITAL MEDIA PORT adapter, press and hold **A** and then pull out the connector.

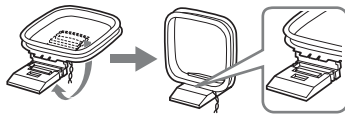


Connecting the antenna (aerial)

Connecting the AM loop antenna (aerial)

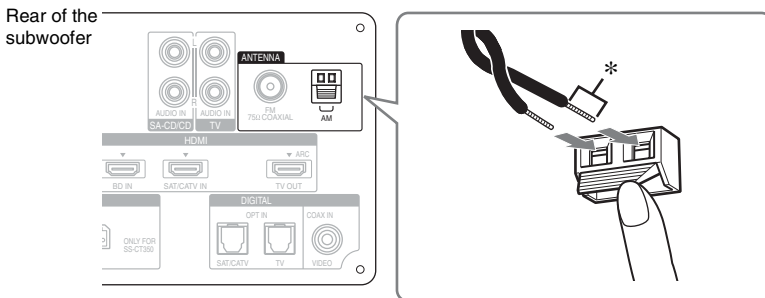
The shape and the length of the antenna (aerial) is designed to receive AM signals. Do not dismantle or roll up the antenna (aerial).

- 1** Remove only the loop part from the plastic stand.
- 2** Set up the AM loop antenna (aerial).



- 3** Connect the cords to the AM antenna (aerial) terminals.

While pushing down the terminal clamp, insert the (*) part of the cords.
The cords can be connected to either terminal.



Note

- Do not place the AM loop antenna (aerial) near the system or other AV component, as noise may result.

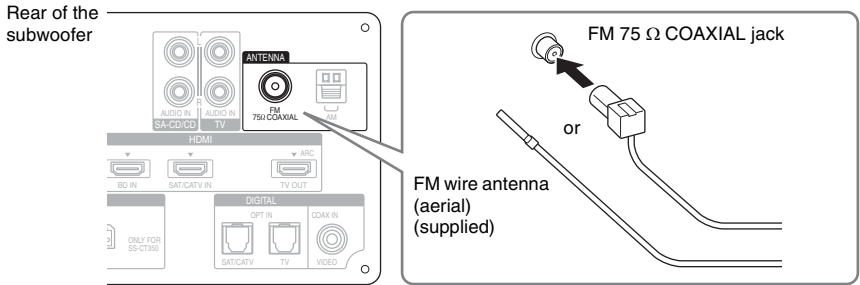
Tip

- Adjust the direction of the AM loop antenna (aerial) for best AM broadcast sound.

- 4** Make sure the AM loop antenna (aerial) is connected firmly by pulling softly on the cord.

Connecting the FM wire antenna (aerial)

Connect the FM wire antenna (aerial) to the FM 75 Ω COAXIAL jack.

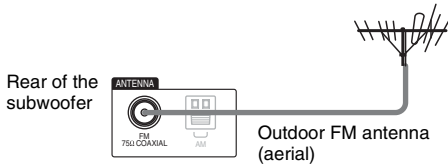


Notes

- Be sure to fully extend the FM wire antenna (aerial).
- After connecting the FM wire antenna (aerial), keep it as horizontal as possible.
- Do not use the FM wire antenna (aerial) while it is bundled up.
- Insert the FM wire antenna (aerial) fully and firmly to the terminal.

Tip

- If you have poor FM reception, use a 75-ohm coaxial cable (not supplied) to connect the subwoofer to an outdoor FM antenna (aerial) as shown below.



Connecting the AC power cord (mains lead)

Before connecting the AC power cord (mains lead) of the system to a wall outlet (mains), connect all the other components and TV to the system.

Notes

- After connecting the AC power cord (mains lead), wait about 20 seconds before turning on the power by pressing I/⏻.
- Connect the system to an easily accessible AC outlet (mains). Should you notice an abnormality in the system, disconnect the main plug from the AC outlet (mains) immediately.

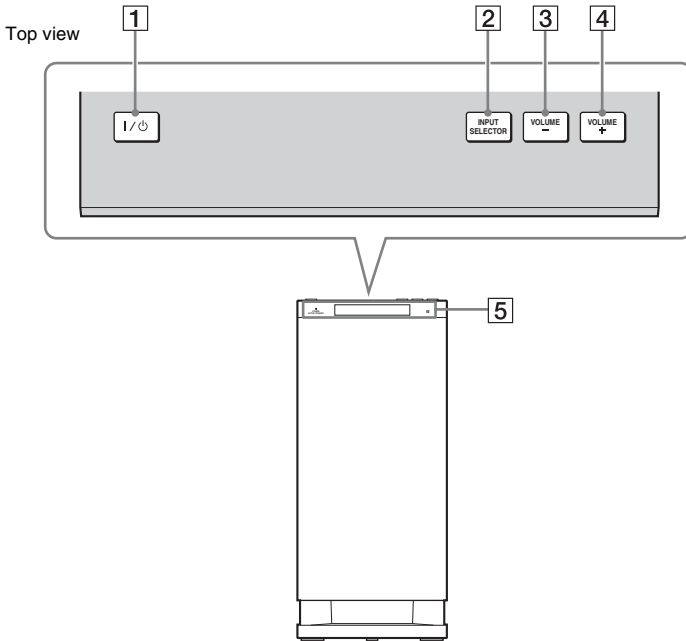
Setting up the sound output of the connected component

To enjoy sound in multi-channel format (DTS, Dolby Digital, multi-channel LPCM), you need to make the audio output settings of the connected component. Set the connected component to output sound in multi-channel format. For details on audio output settings, refer to the operating instructions supplied with the connected component.

Index to parts and controls

For more information, see the pages indicated in parentheses.

Subwoofer



1 I/⏻ (on/standby)

2 INPUT SELECTOR

Press to select the input source to play back.
Every time you press the button, the input source changes cyclically as follows: TV → BD → DVD → SAT/CATV → VIDEO → SA-CD/CD → TUNER FM → TUNER AM → DMPORT → TV.....

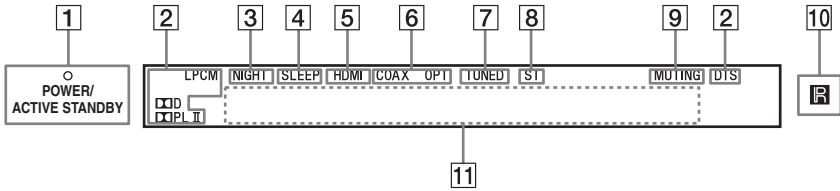
3 VOLUME -

4 VOLUME +

5 Front panel display

continued

Front panel display (subwoofer)



1 POWER/ACTIVE STANDBY indicator

Lights as follows:

Green: The system is turned on.

Amber: Only HDMI parts of the system are on (The Control for HDMI function is working).

No light: The system is turned off.

Note

- The amber light turns off 30 seconds after you turn off the TV. However, if you set “PASS THRU” to “ON” in the AMP menu, the indicator stays amber even if you turn off the TV.

2 Audio format indicators

Light up according to the audio format that is being input to the system.

D: Dolby Digital

PLII: Dolby Pro Logic II

LPCM: Linear PCM

DTS

3 NIGHT (page 50)

Lights up in NIGHT MODE.

4 SLEEP (page 51)

Flashes when the sleep timer is active.

5 HDMI (page 22)

Lights up when HDMI components are being used or when an ARC signal is being input to the system while TV is selected as the input source.

6 COAX/OPT

Light up according to the cable which you are using.

7 TUNED (page 33)

Lights up when tuned to a station.

8 ST (page 33)

Lights up when a stereo program is received.

9 MUTING

Lights up when the sound is turned off.

10 Remote sensor

11 Message display area

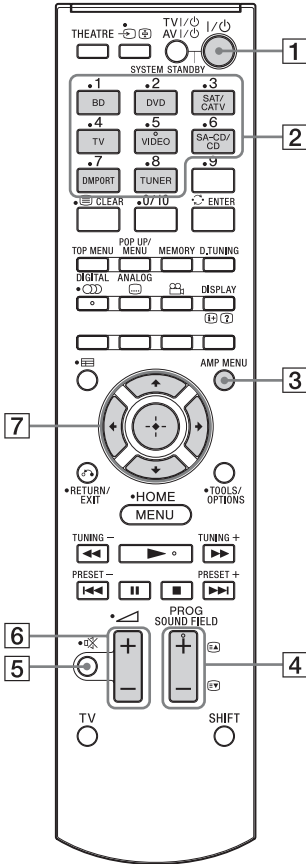
Displays volume, selected input source, audio input signal, etc.

Remote control

This section describes subwoofer and speaker button operation. See page 43 for details on the button operation of connected components.

Note

- Point the remote towards the remote sensor (📡) of the subwoofer.

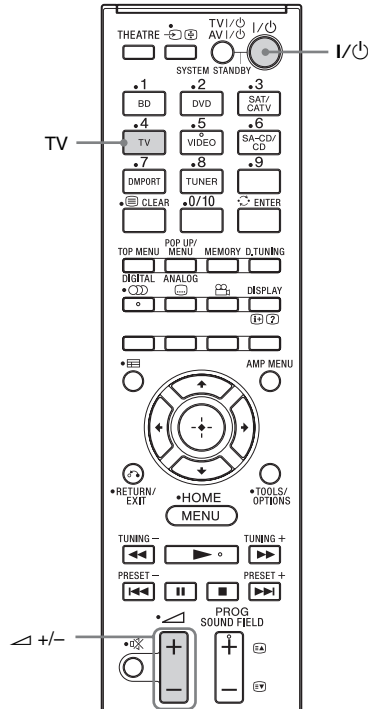


* The 5, ►, ◯ and SOUND FIELD + buttons have a tactile dot. Use it as a guide during operation.

- 1** I/⏻ (on/standby)
- 2** Input buttons
Press one of the buttons to select the component you want to use.
- 3** AMP MENU (page 48)

- 4** SOUND FIELD +/- (page 37)
- 5** 📴 (muting)
- 6** ◀ +/-
Press to adjust the volume.
- 7** ⬅, ⬆, ⬇, ➡ or ⬆+
Press ⬅, ⬆, ⬇ or ➡ to select the menu items.
Then press ⬆+ to enter the selection.

Enjoying TV



- 1** Turn on the TV and choose a program.
Refer to the operating instructions of your TV for details.
- 2** Turn the system on.
- 3** Press TV on the remote.
- 4** Adjust the volume by pressing ◀ +/-.

continued

Tip

- The sound may be output from the TV's speaker. In this case, turn the volume of the TV's speaker down to minimum.

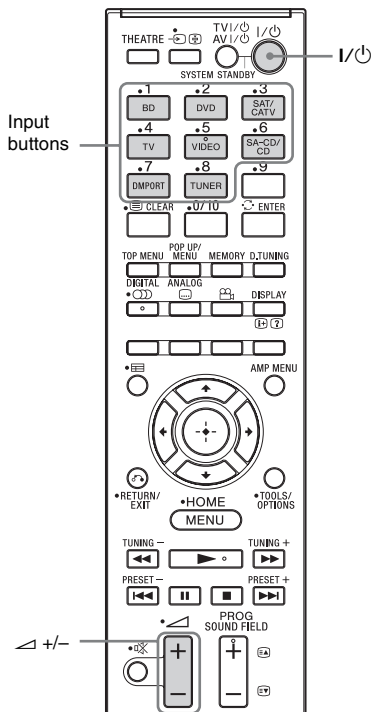
If you are using "BRAVIA" Sync (System Audio Control)

You do not need to perform steps 2 and 3 above. When you turn on the TV, the system is also turned on, and the input source changes automatically. You can also adjust the system's volume using the TV's remote. If you turn off the system, sound is output from the TV's speaker. For details on setting "BRAVIA" Sync, see "Preparing for "BRAVIA" Sync" (page 38).

Tip

- The system is not turned on when you turn the TV on if sound was being output from the TV speakers the last time the TV was turned off.

Enjoying other components



- 1** Play the connected component.
- 2** Turn on the system.

3 Press the input buttons to display the input source in the front panel display.

Input source	Playable component
TV	TV, etc. connected to the TV jack
BD	Blu-ray Disc player, etc. connected to the BD jack
DVD	DVD player, etc. connected to the DVD jack
SAT/CATV	Satellite tuner or cable television tuner, etc. connected to the SAT/CATV jack
VIDEO	DVD player, etc. connected to the DIGITAL COAX IN VIDEO jack
SA-CD/CD	CD player, etc. connected to the SA-CD/CD AUDIO IN jack
TUNER FM*	The built-in FM radio
TUNER AM*	The built-in AM radio
DMPORT	Portable audio player, etc. connected to the DMPORT jack

* Press TUNER repeatedly to switch between TUNER FM and TUNER AM.

4 For video components, change the TV's input to the HDMI input you chose in step 3.

For details, refer to the operating instructions of your TV.

5 Adjust the volume by pressing \triangle +/-.

Tips

- The sound may be output from the TV's speaker. In this case, turn the volume of the TV's speaker down to minimum.
- Even if you playback Dolby True HD, Dolby Digital Plus or DTS HD with a connected component compatible with these sound formats, the system accepts the signal as Dolby Digital or DTS. When you playback these high-quality sound formats, set the connected component to output the sound in multi-channel PCM, if possible.

Notes

- When you connect the video output jack of the DIGITAL MEDIA PORT adapter to the video input jack of the TV, set "CTRL HDMI" to "OFF" in the AMP menu of the system (page 39). The images of a component connected to the DIGITAL MEDIA PORT adapter will not be played on the TV if "CTRL HDMI" is set to "ON."
- To enjoy the sound of a component without displaying the images when "CTRL HDMI" is set to "ON," turn off the TV first and then reset the power of the system.
If you turn on the system first and then turn off the TV, all components connected to the TV will be turned off because of the Control for HDMI function.

If you are using "BRAVIA" Sync (One-Touch Play)

You do not need to perform steps 2 to 4 above. When you turn on the connected components, the system and the TV are also turned on, and the input source changes automatically. You can also adjust the system's volume using the TV's remote.

For details on setting "BRAVIA" Sync, see "Preparing for "BRAVIA" Sync" (page 38).

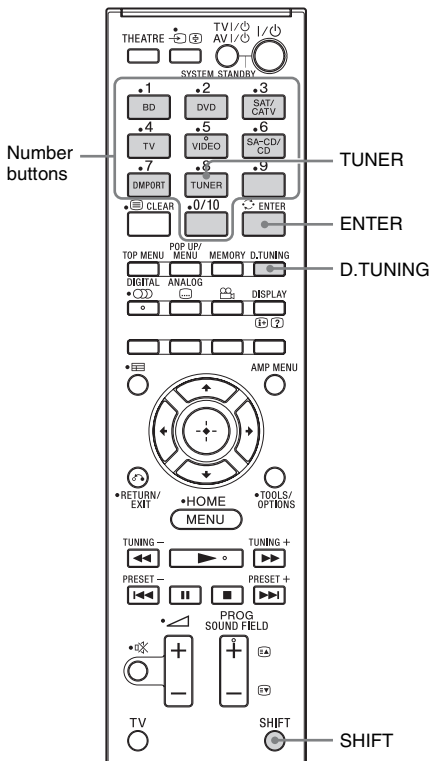
Tip

- The system is not turned on when you turn the TV on if sound was being output from the TV speakers the last time the TV was turned off.

Tuner Functions

Direct tuning

You can enter the frequency of a station directly using the number buttons.



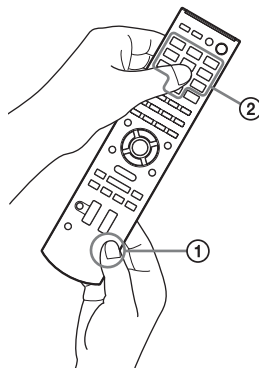
1 Press TUNER repeatedly until “TUNER FM” or “TUNER AM” appears in the front panel display.

2 Press D.TUNING.

3 While pressing and holding SHIFT (①), press the number buttons (②) to enter the frequency.

Example: 88.00 MHz

While pressing and holding SHIFT, select 8 → 8 → 0 → 0.



4 While pressing and holding SHIFT, press ENTER.

Tip

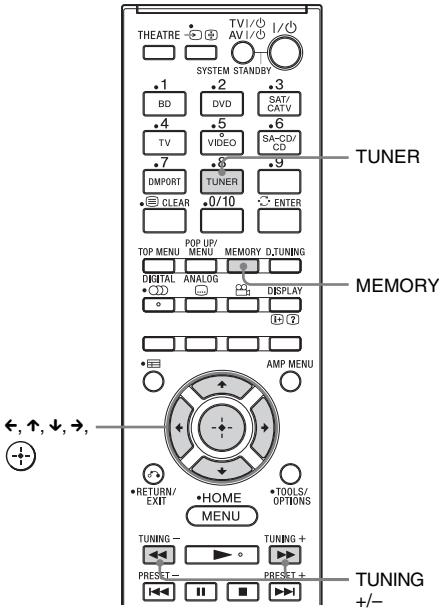
- If you have tuned in an AM station, adjust the direction of the AM loop antenna (aerial) for optimum reception.

If you cannot tune in a station

Make sure you have entered the right frequency. If not, repeat steps 2 to 4. If you still cannot tune in a station, it is likely that the frequency is not used in your area.

Presetting radio stations

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



1 Press **TUNER** repeatedly until “TUNER FM” or “TUNER AM” appears in the front panel display.

2 Press and hold **TUNING +/-** until the auto scanning starts.

Scanning stops when the system tunes in a station. “TUNED” and “ST” (for FM stereo program) light up in the front panel display.

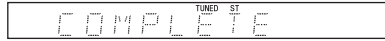
3 Press **MEMORY**.

A preset number appears in the front panel display.

4 Press \uparrow/\downarrow to select the preset number you want.

5 Press \oplus .

“COMPLETE” appears in the front panel display, and the station is stored.



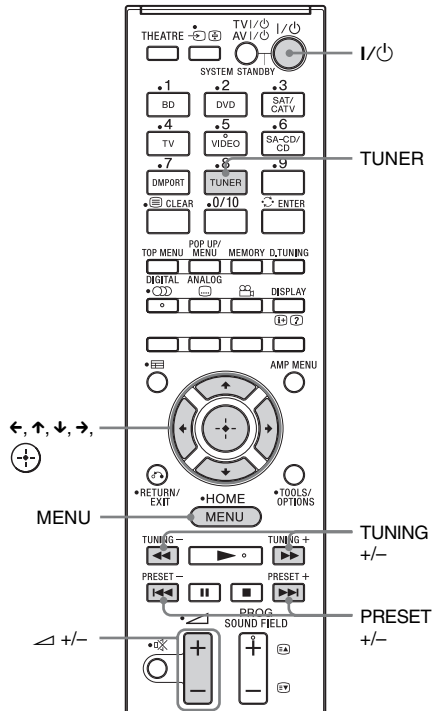
6 Repeat 2 to 5 to store other stations.

To change the preset number

Restart from step 3.

Listening to the radio

Preset radio stations in the system’s memory first (see “Presetting radio stations” (page 33)).



1 Press **TUNER** repeatedly until “TUNER FM” or “TUNER AM” appears in the front panel display.

The last received station is tuned in.

2 Press PRESET +/- repeatedly to select the preset station.

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

You can select the preset number directly by pressing the number buttons while pressing and holding SHIFT.

3 Adjust the volume by pressing \triangle +/-.

To turn off the radio

Press I/O to turn off the system, or change to another function.

To listen to non-preset radio stations

Use manual or automatic tuning in step 2.

For manual tuning, see “Direct tuning” (page 32).

For automatic tuning, press and hold TUNING +/- . The automatic tuning stops when the system tunes in a station. To stop the automatic tuning while automatic tuning is in progress, press TUNING +/- .

If an FM program is noisy

If an FM program is noisy, you can select monaural reception. There will be no stereo effect, but reception will improve.

1 Press MENU.

2 Press \uparrow/\downarrow repeatedly until “FM MODE” appears in the front panel display, then press \oplus or \rightarrow .

3 Press \uparrow/\downarrow to select “MONO.”

- STEREO: Stereo reception.
- MONO: Monaural reception.

4 Press \oplus .

The setting is made.

5 Press MENU.

Tip

- To improve reception, reorient the FM wire antenna (aerial) (supplied).

Naming preset stations

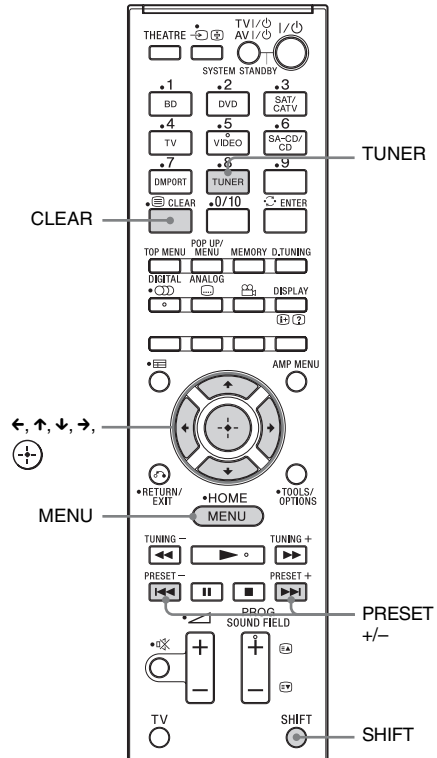
You can enter a name for preset stations. These names (for example, “XYZ”) appear in the front panel display when a station is selected.

You can enter a name of up to 10 characters.

Note that no more than one name can be entered for each preset station.

Note

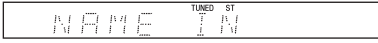
- You cannot enter a name for a preset station for which a Radio Data System (RDS) broadcast is received (page 35).



1 Press TUNER repeatedly until “TUNER FM” or “TUNER AM” appears in the front panel display.

The last received station is tuned in.

- 2 Press **PRESET +/-** repeatedly to select the preset station you want to create a name for.
- 3 Press **MENU**.
- 4 Press **↑/↓** repeatedly until “NAME IN” appears in the front panel display.



- 5 Press **+**.
- 6 Create a name by using **←/↑/↓/→**.

Press **↑/↓** to select a character, then press **→** to move the cursor to the next position.

Letters, numbers, and other symbols can be input for a radio station name.

If you enter a wrong character

Press **←/→** repeatedly until the character to be changed flashes, then press **↑/↓** to select the desired character.

To delete the character, press **←/→** repeatedly until the character to be deleted flashes, then press **CLEAR** while pressing and holding **SHIFT**.

- 7 Press **+**.

“COMPLETE” appears in the front panel display, and the station name is stored.



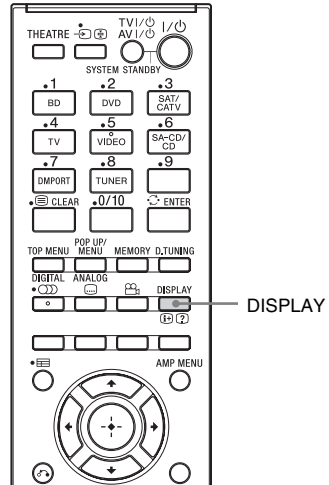
- 8 Press **MENU**.

Tip

- You can check the frequency in the front panel display by pressing **DISPLAY** repeatedly.

Viewing the station name or frequency in the front panel display

When the system is set to “TUNER FM” or “TUNER AM,” you can check the frequency using the front panel display.



Press **DISPLAY**.

Each time you press **DISPLAY**, the station name and the frequency alternate in the front panel display.

Tips

- The station name is displayed if you have entered a name for a preset station.
- The frequency in the front panel display switches to the station name after several seconds.

Using the Radio Data System (RDS)

What is the Radio Data System?

The Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features, such as station name display.*

- * Not all FM stations provide RDS service, nor do they provide the same type of services. If you are not familiar with the RDS, check with your local radio stations for details on RDS services in your area.

continued

Receiving RDS broadcasts

Simply select a station.

When you tune in a station that provides RDS services, the frequency in the front panel display switches to the station name.*

* If an RDS broadcast is not received, a station name will not appear in the front panel display unless you set the station name manually.

Note

- RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly, or if the signal strength is weak.

Tip

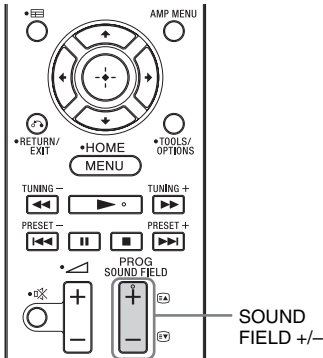
- When a station name is displayed, you can check the frequency by pressing DISPLAY repeatedly.

Surround Function

Enjoying the surround effect

Selecting the sound field

This system can create multi-channel surround sound. You can select one of system's optimized pre-programmed sound fields.



Press SOUND FIELD +/-.

The present sound field appears in the front panel display.



Each time you press SOUND FIELD +/-, the display changes cyclically as follows:
 STANDARD ↔ MOVIE ↔ DRAMA ↔
 NEWS ↔ SPORTS ↔ GAME ↔ MUSIC
 ↔ 2CH STEREO ↔ P.AUDIO ↔
 STANDARD ...

Available sound fields

Sound field	Effect
STANDARD*	Suits various sources.
MOVIE*	Recreates powerful and realistic sound, along with clear dialog.
DRAMA*	Suited for TV dramas.
NEWS*	Produces the announcer's voice clearly.
SPORTS*	Produces the play-by-play commentary clearly and realistic sound with surround effects, such as cheering, etc.
GAME*	Produces powerful and realistic sound, suited for playing video games.
MUSIC*	Suited for music programs or music videos on Blu-ray Discs/DVDs.
2CH STEREO	Suited for music CDs.
P.AUDIO**	Suited to replay portable audio source.

* These sound fields are not available when "DMPort" is selected by pressing INPUT SELECTOR.

** "P.AUDIO" appears only when "DMPort" is selected.

Tips

- You can set a different sound field for each input source.
- The sound field default setting for "DMPort" is "P.AUDIO," and for other sources, "STANDARD."
- When "DMPort" is selected by pressing INPUT SELECTOR, the center speaker produces no sound.
- Some speakers will not produce sound depending on the input signal, such as monaural programs.
- When "2CH STEREO" or "P.AUDIO" is selected, the center speaker produces no sound.
- If you press the THEATRE button on a Sony TV remote when "CTRL HDMI" is set to "ON," the sound field changes to "MOVIE" (some Sony TVs excluded).

“BRAVIA” Sync Features

What is “BRAVIA” Sync?

By connecting Sony components that are compatible with “BRAVIA” Sync via an HDMI cable (not supplied), operation is simplified as below:

- One-Touch Play (page 39)
- System Audio Control (page 40)
- System Power Off (page 41)

“BRAVIA” Sync is compatible with Sony TVs, Blu-Ray Disc/DVD players, AV amplifiers, etc., with the Control for HDMI function.

CONTROL FOR HDMI is a mutual control function standard used by CEC (Consumer Electronics Control) for HDMI (High-Definition Multimedia Interface).

The Control for HDMI function will not operate correctly in the following cases:

- When you connect the system to components which do not correspond with the Control for HDMI function.
- When you connect the system and components using other than an HDMI connection.
- When you connect non-Sony components which are compatible with the Control for HDMI function.

We recommend that you connect products featuring “BRAVIA” Sync to this system.

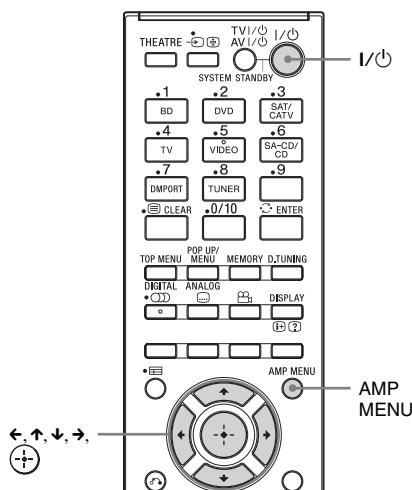
Note

- Depending on the connected components, the Control for HDMI function may not work. Refer to the operating instructions of the components.

Preparing for “BRAVIA” Sync

To use “BRAVIA” Sync, set the Control for HDMI function to on for the connected components.

When you connect a Sony TV with the Control for HDMI function, the Control for HDMI function for the system and the connected components can be set simultaneously by setting the Control for HDMI function of the TV.



- 1** Make sure that the system is connected to the TV and the connected components via HDMI cables (not supplied).
- 2** Turn on the system, the TV and the connected components.
- 3** Select the input of the system and the HDMI input of the TV (SAT/CATV, DVD, BD), so that an image from a connected component is displayed.

4 Display the list of the HDMI components on the TV menu, and set the Control for HDMI function to on for the connected components.

The Control for HDMI function for the system and the connected components are simultaneously set to on.

After you finish the setting, “COMPLETE” appears in the front panel display.

Note

- For details on setting the TV and the connected components, refer to their operating instructions.

If “COMPLETE” does not appear after performing the steps above

Set the Control for HDMI function to on for both the system and the connected component individually.

- 1 Press AMP MENU.
- 2 Press \uparrow/\downarrow repeatedly until “SET HDMI” appears, then press \oplus or \rightarrow .
- 3 Press \uparrow/\downarrow repeatedly until “CTRL HDMI” appears, then press \oplus or \rightarrow .
- 4 Press \uparrow/\downarrow to select “ON.”
- 5 Press AMP MENU.

The AMP menu turns off. The Control for HDMI function is set to on.

- 6 Select the input of the system connected to the component you want to use the Control for HDMI function for (SAT/CATV, DVD, BD).

- 7 Set the Control for HDMI function of the connected component to on.

For details on setting the connected component, refer to its operating instructions.

If you add or reconnect a component

Perform steps of “Preparing for “BRAVIA” Sync” (page 38) and “If “COMPLETE” does not appear after performing the steps above” again.

Notes

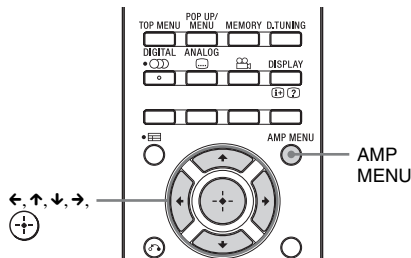
- If the Control for HDMI function for the connected component cannot be set simultaneously by setting “CONTROL FOR HDMI” of the TV, set the Control for HDMI function using the menu of the connected component.
- For details on setting the TV and the connected components, refer to their operating instructions.

Tip

- The default setting of the Control for HDMI function of the system is “ON.”

Setting the Control for HDMI function to off

Set the Control for HDMI function to off when you connect components not compatible with “BRAVIA” Sync, or that do not have HDMI jacks, etc.



- 1 Press AMP MENU.
- 2 Press \uparrow/\downarrow repeatedly until “SET HDMI” appears, then press \oplus or \rightarrow .
- 3 Press \uparrow/\downarrow to select “CTRL HDMI,” then press \oplus or \rightarrow .
- 4 Press \uparrow/\downarrow to select “OFF.”
- 5 Press AMP MENU.

The AMP menu turns off.

Enjoying Blu-ray Disc/DVD

(One-Touch Play)

Play back a connected component.

The TV turns on automatically and switches to the appropriate HDMI input.

continued

Tip

- Even if the system is turned off (active standby mode), the HDMI signal will be sent from the connected component to the TV via the HDMI connection. You can enjoy image and sound of the component on the TV.

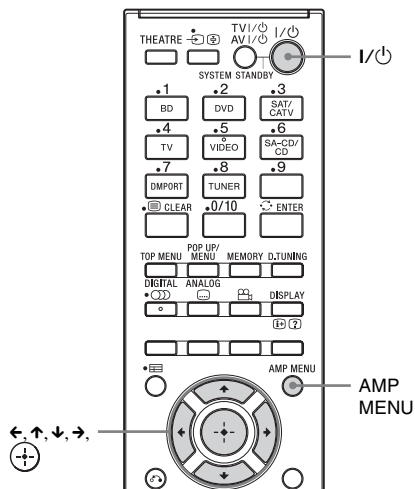
Note

- Depending on the TV, the start of the content may not be output.

Enjoying the TV sound from the system

(System Audio Control)

You can enjoy the TV sound from the speakers of the system by means of a simple operation. You can also adjust the volume and turn off the sound of the system using the TV remote. For details, refer to the operating instructions of the TV.



Press I/Power to turn on the system.

The sound is output from the speaker of the system. Sound output reverts to the TV's speaker when you turn the system off.

Notes

- When the TV is turned on before this system is turned on, the TV sound will not be output for a moment.
- Depending on the TV, when you adjust the system's volume using TV's remote, the volume level appears on the TV screen, in the same way it would appear when you adjust the TV's volume. In this case, the volume level that appears on the TV screen and the system's front panel display may differ.

Using the Volume Limit function

When the System Audio Control function is active and the output method changes from the TV speaker to the system speakers automatically, loud sound may be output depending on the volume level of the system. You can prevent this by limiting the volume level.

- 1 Press AMP MENU.**
- 2 Press ↑/↓ repeatedly until "SET HDMI" appears, then press (+) or →.**
- 3 Press ↑/↓ repeatedly until "VOL LIMIT" appears, then press (+) or →.**
- 4 Press ↑/↓ to select the volume limit you want.**

The volume limit changes as follows:

MAX ↔ 49 ↔ 48 ... 2 ↔ 1 ↔ MIN

- 5 Press AMP MENU.**

The AMP menu turns off.

Notes

- This function is available only when the Control for HDMI function is set to on.
- This function is not available when the output method changes from the system speakers to the TV speaker.

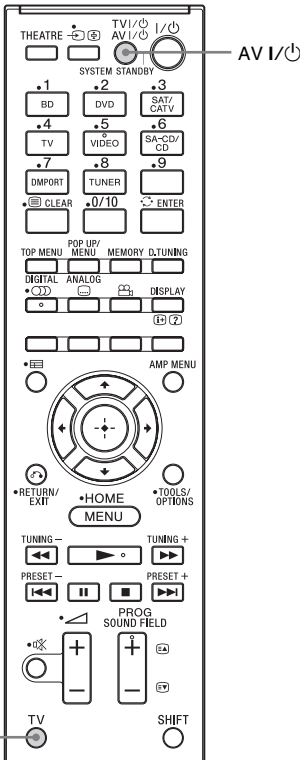
Tips

- We recommend that you set the volume limit to a little lower than the volume you usually listen to.
- Regardless of the volume limit you set, the VOLUME +/- buttons of the system and the \triangle +/- buttons of the remote are operable.
- If you do not want to limit the volume level, select "MAX."

Turning off the system, TV and the connected components

(System Power Off)

When you turn the TV off by using the power button on the TV's remote, the system and the connected components turn off automatically. Also, when you turn the TV off by using the system's remote, the system and the connected components turn off automatically.



While pressing and holding TV (yellow), press AV I/⏻.

The TV, the system, and the connected components are turned off.

Note

- Depending on the status, the connected components may not be turned off. For details, refer to the operating instructions of the connected components.

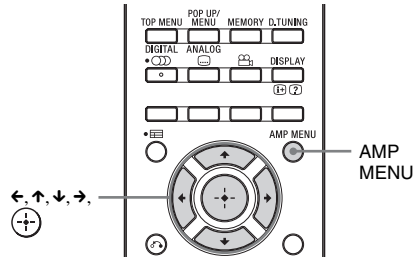
Using the power saving function

(HDMI PASS THRU)

When using "BRAVIA" Sync, you can enjoy image and sound from a Blu-ray Disc, etc., on the TV, even if the system is in standby mode. Power consumption in standby mode is also reduced automatically when the TV is turned off if "PASS THRU" is set to "AUTO." The default setting is "AUTO."

Note

- This function is available only when "CTRL HDMI" is set to "ON."



- 1 Press AMP MENU.
- 2 Press \uparrow/\downarrow repeatedly until "SET HDMI" appears, then press \leftarrow or \rightarrow .
- 3 Press \uparrow/\downarrow to select "PASS THRU," then press \leftarrow or \rightarrow .

4 Press \uparrow/\downarrow to select the setting.

- **AUTO:** When the TV is turned on while the system is in standby mode, the system outputs HDMI signals from the system's HDMI output jack. We recommend this setting if you use a TV that is compatible with "BRAVIA" Sync. This setting saves power in standby mode compared with the "ON" setting.
- **ON:** When the system is in standby mode, the system continuously outputs HDMI signals from the system's HDMI output jack.

Note

- When "AUTO" is selected, it may take a little more time for the picture and sound to be output to the TV than when "ON" is selected.

5 Press AMP MENU.

The AMP menu turns off.

3 Press \uparrow/\downarrow repeatedly until "ARC" appears, then press \oplus or \rightarrow .

4 Press \uparrow/\downarrow to select "OFF".

- **ON:** The ARC function turns on.
- **OFF:** The ARC function turns off.

5 Press AMP MENU.

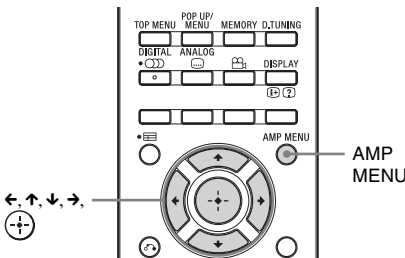
The AMP menu turns off.

Note

- When "CTRL HDMI" is set to "OFF," the ARC function and its setting are not available.

Setting the Audio Return Channel function to off

If the TV is compatible with the Audio Return Channel (ARC) function, an HDMI cable connection also sends a digital audio signal from the TV. You do not need to make a separate audio connection for listening to TV sound. If you do not use the ARC function, connect the system and TV via digital optical cord and set "ARC" to "OFF" in the AMP menu.



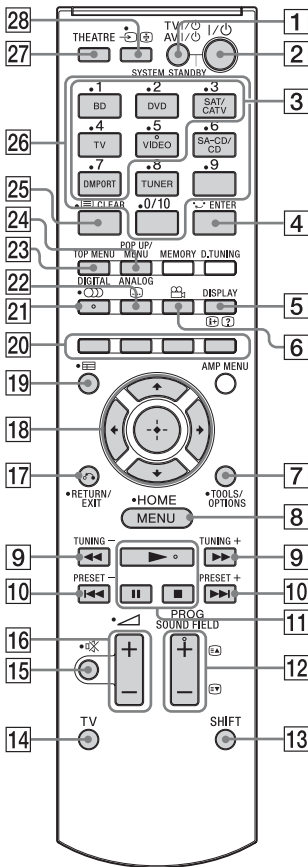
1 Press AMP MENU.

2 Press \uparrow/\downarrow repeatedly until "SET HDMI" appears, then press \oplus or \rightarrow .

Advanced Settings

Controlling connected Sony components with the remote

You can control connected Sony components with the remote of this system. Some functions may not be selectable depending on the equipment. In that case, select them using the remote control supplied with the equipment.



* The 5, ►, ◯ and SOUND FIELD + buttons have a tactile dot. Use it as a guide during operation.

To control the component

1 Press one of the input buttons **3** (BD, DVD, SAT/CATV, TV, VIDEO, or DMPORT) to select the component you want to operate.

The component assigned to the selected input button becomes operable.
















2 Referring to the following table, press the corresponding button for the operation.



Common operations

Remote Button	Function
1 TV I/⏻ AV I/⏻ (on/standby)	Turns on or off the Sony TV or audio/video components that the remote is assigned to operate. Press 1 TV I/⏻/AV I/⏻ and 2 I/⏻ at the same time to turn off the system and all other components that the remote is assigned to operate (SYSTEM STANDBY).
4 ENTER	Enters the selection. While pressing and holding 13 SHIFT, press 4 ENTER.
18 ◀, ▶, ⬆, ⬇, ⬅, ➡, ⬆, ⬇, ⬅, ➡, ⬆, ⬇, ⬅, ➡	Selects a menu item and enters the selection.
20 Color buttons	Displays an operation guide on the TV screen when the color buttons are available. Follow the operation guide to perform a selected operation.
26 Number buttons	Selects channels and tracks directly. For TV, press and hold 14 TV (yellow), and press the number buttons to select channels. For other components, press and hold 13 SHIFT, and press the number buttons to select channels or tracks.














To control a TV

While pressing and holding **14** TV (yellow), press the buttons with a yellow dot or yellow printing.

Remote Button	Function
4  (Previous channel)	Returns to the channel previously watched (for at least five seconds).
5  (Info/Text reveal)	In digital mode: Displays brief details of the program currently being watched. In analog mode: Displays information such as current channel number and screen format. In text mode: Reveals hidden information (e.g. answers to a quiz).
7 TOOLS/ OPTIONS	Enables you to access various viewing options and change/make adjustments according to the source and screen format.
8 MENU/HOME	Allows you to select channels or input sources and change the settings for your TV.
12 PROG +/-/ 	In TV mode: Selects the next (+) or previous (-) channel. In text mode: Selects the next () or previous () page.
15  (Muting)	Turns off the sound.
16 	Adjusts the volume.
17  RETURN/EXIT	Returns to the previous screen of any displayed menu.
18  ,  ,  ,  , 	Selects a menu item and enters the selection.
19  (Guide)	Displays the guide when you are watching analog or digital channels.
21 	Selects the audio format/track.
23 DIGITAL	Changes to digital mode.
24 ANALOG	Changes to analog mode.




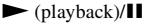
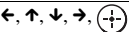


Remote Button	Function
25  (Text)	Displays text.
27 THEATRE	Automatically sets the optimal picture settings for watching movies, such as low-light settings, when you connect a Sony TV that is compatible with the THEATRE button function. Also, audio is automatically switched to the audio output of this system when you connect the TV and the system with HDMI connection, and the Control for HDMI function is set to on.
28  (Input select/Text hold)	In TV mode: Selects input. In analog text mode: Holds the current page.

To control the DVD recorder/Blu-ray Disc recorder


Remote Button	Function
6 	Switches to other viewing angles when multi-angles are recorded on a DVD VIDEO.
8 MENU/HOME	Displays the menu.
9 	To fast reverse or to fast forward the disc when pressed during playback.
10 	To go to the beginning of the previous or next chapter or track.
11  (playback)/  (pause, press again to resume normal playback)/  (stop)	Play mode buttons.
18  ,  ,  ,  , 	Selects a menu item and enters the selection.
21 	Selects the audio format/track.
22 	Selects the subtitle language when multilingual subtitles are recorded on a BD-ROM/DVD VIDEO.




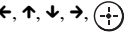


Remote Button	Function
23 TOP MENU	Displays the top menu/disc menu.
24 POP UP/MENU	Displays the BD-ROM's Pop-up Menu, or the DVD's menu.

To control the DVD player/Blu-ray Disc player

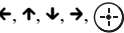

Remote Button	Function
6 	Switches to other viewing angles when multi-angles are recorded on a DVD VIDEO.
8 MENU/HOME	Displays the menu.
9 	To fast reverse or to fast forward the disc when pressed during playback.
10 	To go to the beginning of the previous or next chapter or track.
11  (playback)/II (pause, press again to resume normal playback)/■ (stop)	Play mode buttons.
18 	Selects a menu item and enters the selection.
21 	Selects the audio format/track.
22 	Selects the subtitle language when multilingual subtitles are recorded on a BD-ROM/DVD VIDEO.
23 TOP MENU	Displays the top menu/disc menu.
24 POP UP/MENU	Displays the BD-ROM's Pop-up Menu, or the DVD's menu.

To control the HDD/DVD COMBO

Remote Button	Function
6 	Switches to other viewing angles when multi-angles are recorded on a DVD VIDEO.
8 MENU/HOME	Displays the menu.

Remote Button	Function
9 	To fast reverse or to fast forward the disc when pressed during playback.
10 	To specify the previous or next chapter or track.
11  (playback)/II (pause, press again to resume normal playback)/■ (stop)	Play mode buttons.
18 	Moves the highlight (cursor) and selects the item.
21 	Selects the audio format/track.
22 	Selects the subtitle language when multilingual subtitles are recorded on a BD-ROM/DVD VIDEO.
23 TOP MENU	Displays the top menu/disc menu.
24 POP UP/MENU	Displays the BD-ROM's Pop-up Menu, or the DVD's menu.

To control the SAT

Remote Button	Function
8 MENU/HOME	Displays the menu.
18 	Selects a menu item and enters the selection.
19  (Guide)	Displays the guide menu.

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.

To control the connected component through DMPORT connection

Remote Button	Function
5 DISPLAY	Press to select the setting of the front panel display.
8 MENU	Displays the menu.

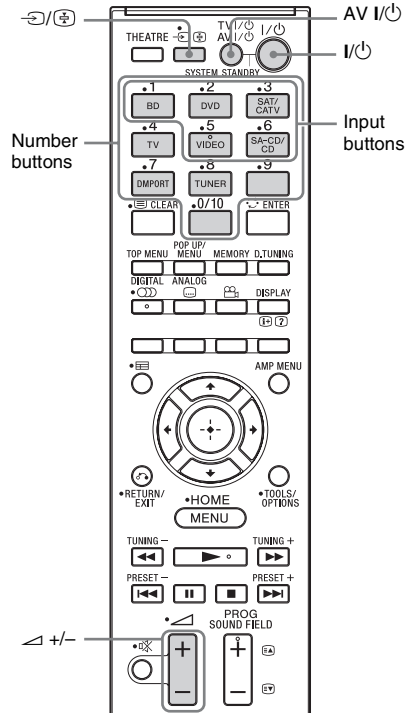
continued

Remote Button	Function
9	Press to fast reverse or to fast forward the disc when pressed during playback.
10	Press to skip chapters.
11	Play mode buttons.
17	Returns to the previous screen of any displayed menu.
18	Selects a menu item and enters the selection.

Changing the input button assignments of the remote

You can change the factory settings of the input buttons to suit the components in your system. For example, if you connect a Blu-ray Disc player to the DVD jack on the system, you can set the DVD button on this remote to control the Blu-ray Disc player.

You cannot change the remote assignments for TV, DMPORT and TUNER.



- 1 Press and hold the input button whose assignment you want to change, and then press and hold AV I/⏻ at the same time.

Example: While holding down DVD, press and hold AV I/⏻.

- 2 While continuing to hold down AV I/⏻, release the input button you selected in step 1.

Example: While continuing to hold down AV I/⏻, release DVD.

- 3 While continuing to hold down AV I/⏻, refer to the following table and press the corresponding number button for the category you want.

Example: While continuing to hold down AV I/⏻, press 1.

4 Release the number button you selected in step 3, and then release AV I/⏻.

Example: Release 1, then release AV I/⏻.

Now you can use the DVD button to control the Blu-ray Disc player.

Categories and the corresponding buttons for BD, DVD, SAT/CATV, VIDEO and SA-CD/CD




Categories	Press
Blu-ray Disc player (command mode BD1) ^{a)}	1
Blu-ray Disc recorder (command mode BD3)	2
DVD player (command mode DVD1)	3
DVD recorder (command mode DVD3) ^{b)}	4
VCR (command mode VTR3)	5
CD player	6
DSS ^{c)}	7

^{a)}The initial setting of the BD button. For details on the BD1 or BD3 setting, refer to the operating instructions supplied with the Blu-ray Disc player or Blu-ray Disc recorder.

^{b)}The initial setting of the DVD button. Sony DVD recorders are operated with a DVD1 or DVD3 setting. For details, refer to the operating instructions supplied with the DVD recorders.

^{c)}The initial setting of the SAT/CATV button.

To clear all remote button assignments

While holding down  -, press I/⏻ and  / . Then, release the buttons.

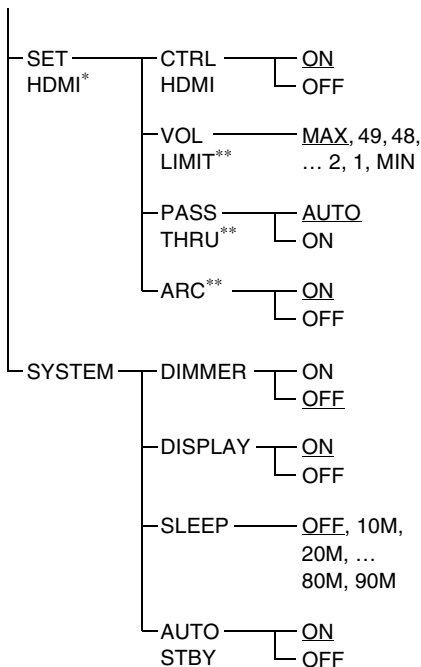
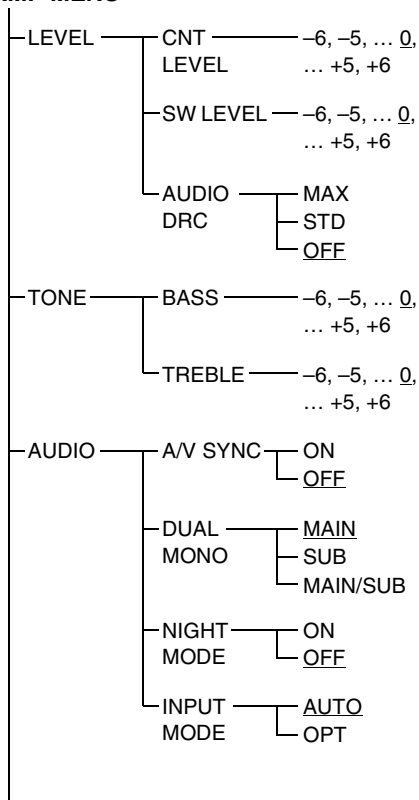
The remote is reset to its initial settings.

Settings and adjustments using the amplifier menu

Using the AMP menu

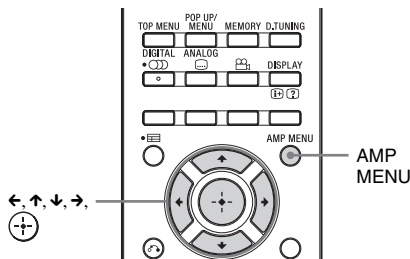
You can set the following items with AMP MENU on the remote.
The default settings are underlined.

AMP MENU



* See “BRAVIA” Sync Features” (page 38).

** This setting appears only when “CTRL HDMI” is set to “ON.”



- 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.

Tip

- These settings are retained even if you disconnect the AC power cord (mains lead).

The following pages show details for each setting.

Setting the speaker level (CNT LEVEL, SW LEVEL)

You can adjust the level and the balance of the center speaker and subwoofer.

- 1** Select “LEVEL” in the AMP menu, then press \oplus or \rightarrow .
- 2** Select “CNT LEVEL” or “SW LEVEL,” then press \oplus or \rightarrow .
 - CNT LEVEL: Adjusts the center speaker level.
 - SW LEVEL: Adjusts the subwoofer level.
- 3** Select the parameter you want and press \oplus .

The parameter of “CNT LEVEL” and “SW LEVEL” is from “-6” to “+6” in 1-step increments. The default setting is “0.”

Enjoying Dolby Digital sound at low volume (AUDIO DRC)

Narrows the dynamic range of the sound track. Useful for enjoying movies at low volume. AUDIO DRC only applies to Dolby Digital sources.

- 1** Select “LEVEL” in the AMP menu, then press \oplus or \rightarrow .
- 2** Select “AUDIO DRC,” then press \oplus or \rightarrow .
- 3** Select the setting and press \oplus .
 - OFF: No compression of dynamic range.
 - STD: Reproduces the sound track with the kind of dynamic range that the recording engineer intended.
 - MAX: Compresses dynamic range fully.

Adjusting the bass and treble level (BASS, TREBLE)

You can adjust the bass and treble level easily.

- 1** Select “TONE” in the AMP menu, then press \oplus or \rightarrow .
- 2** Select “BASS” or “TREBLE,” then press \oplus or \rightarrow .
 - BASS : Adjusts the bass level.
 - TREBLE : Adjusts the treble level.
- 3** Select the parameter you want and press \oplus .

The parameter is from “-6” to “+6” in 1-step increments. The default setting is “0.”

Adjusting the delay between the sound and the image (A/V SYNC)

You can delay the sound using this function when the image is slower than the sound.

- 1** Select “AUDIO” in the AMP menu, then press \oplus or \rightarrow .
- 2** Select “A/V SYNC,” then press \oplus or \rightarrow .
- 3** Select the setting and press \oplus .
 - OFF: No adjustment.
 - ON: Adjusts the difference between picture and sound.

Notes

- You may not be able to adjust the delay between sound and image perfectly using this function.
- This function is useful only for Dolby Digital, DTS and Linear PCM (2ch) input via digital coaxial cord, digital optical cord or HDMI cable.






continued

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 an 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** Select “AUDIO” in the AMP menu, then press  or .
- 2** Select “DUAL MONO,” then press  or .
- 3** Select the setting and press .
 - MAIN: Plays back only the main channel.
 - SUB: Plays back only the sub channel.
 - MAIN/SUB: Main sound is output from the left speaker and sub sound is output from the right speaker.

Enjoying the sound at low volume (NIGHT MODE)

You can enjoy sound effects and hear the dialog clearly even at a low volume level using this function.






- 1** Select “AUDIO” in the AMP menu, then press  or .
- 2** Select “NIGHT MODE,” then press  or .
- 3** Select the setting and press .
 - ON: Turns on the “NIGHT MODE” function.
 - OFF: Turns off the function.

Tip

- You can listen to Dolby Digital sound at low volume by using AUDIO DRC (page 49).






Setting the sound from the satellite tuner (INPUT MODE)

Even if you connect the satellite tuner to the HDMI SAT/CATV input jack of the system, multi-channel sound may not be output depending on the satellite tuner. In this case, connect a digital optical cord to the SAT/CATV OPT IN jack of the system in addition to an HDMI cable, and make the following setting.

- 1** Select “AUDIO” in the AMP menu, then press  or .
- 2** Select “INPUT MODE,” then press  or .
- 3** Select “OPT” and press .
 - AUTO: Preferentially output the sound signal from the HDMI SAT/CATV input jack.
 - OPT: Output the signal from the SAT/CATV OPT IN jack.

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** Select “SYSTEM” in the AMP menu, then press  or .
- 2** Select “DIMMER,” then press  or .
- 3** Select the setting and press .
 - ON: Dim.
 - OFF: Bright.

Changing the display setting (DISPLAY)

You can change the display behavior of the front panel display.

- 1** Select "SYSTEM" in the AMP menu, then press **(+)** or **→**.
- 2** Select "DISPLAY," then press **(+)** or **→**.
- 3** Select the setting and press **(+)**.
 - ON: The display stays turned on.
 - OFF: The display appears for a few seconds when you operate the system.

Tip

- The display shows the kinds of input signal (digital input only) when you press DISPLAY, even if you set "DISPLAY" to "OFF."

Note

- The display stays turned on when the muting or protection function is working, even if you set "DISPLAY" to "OFF."

Using the sleep timer (SLEEP)

You can set the system to turn off at a preset time when you want to fall asleep listening to music. You can preset the time in 10-minute increments.

- 1** Select "SYSTEM" in the AMP menu, then press **(+)** or **→**.
- 2** Select "SLEEP," then press **(+)** or **→**.
- 3** Select the preset time you want and press **(+)**.

The minutes display (remaining time) changes as follows:

```

OFF ↔ 10M ↔ 20M
  ↑       ↓
90M ↔ 80M ... 30M
  
```

Note

- This function is only for this system, not for the connected TV or other components.

Auto Standby function (AUTO STBY)

You can reduce power consumption. The system enters standby mode automatically when you do not operate the system for about 30 minutes and the system is not outputting sound for about 30 minutes.

The default setting is "ON".

- 1** Select "SYSTEM" in the AMP menu, then press **(+)** or **→**.
- 2** Select "AUTO STBY," then press **(+)** or **→**.
- 3** Select the setting and press **(+)**.
 - ON: Turns on the "AUTO STBY" function.
 - OFF: Turns off the function.

Notes

- When the system is turned off via the AUTO STBY function, the system may not be turned on automatically when you turn on the TV next time.
- "AUTO STBY" begins to flash in the front panel display about two minutes before the system enters standby mode.

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.

POWER

The power is not turned on.

- Check that the AC power cord (mains lead) is connected securely.

The system is not turned on when the TV is turned on.

- Check the TV speaker settings. The TV speaker settings control how the system is automatically turned on with the TV. To enjoy the TV sound via the system, you need to set the speaker settings of the TV to output the sound from external audio equipment. For details, refer to the operating instructions of the TV.
- The system is not turned on when you turn the TV on if sound was being output from the TV speakers the last time the TV was turned off.

The System Power Off function does not work.

- Change the setting of the TV to turn connected components off automatically when you turn off the TV. For details, refer to the operating instructions of the TV.

The system is turned off when you turn off the TV.

- When the Control for HDMI function is on, the System Power Off function is active, and the system is turned off when you turn off the TV.

The system is turned off automatically.

- The AUTO STBY function is working (page 51).

SOUND

Dolby Digital or DTS multi-channel sound is not reproduced.

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

The surround effect cannot be obtained.

- Depending on the digital signal, the surround processing may not work (page 37). Press DISPLAY to show the sound format in the front panel display. If “2.0CH” or “1.0CH” is displayed in the front panel display, the signal is stereo or monaural and does not include multi-channel sound. If “5.1CH,” etc., is displayed, the signal contains multiple channels, but the surround effect may be subtle depending on the program or disc.

No TV sound is output from the system.

- Check the connection of the digital optical cord or audio cord that is connected to the system and the TV (page 22).
- Check the sound output of the TV.
- If the TV is compatible with the ARC function, set “CTRL HDMI” and “ARC” to “ON.”

The sound is output from both the system and the TV.

- If the Control for HDMI function is set to off, or the selected component is not compatible with the Control for HDMI function, turn off the sound of the system or the TV.

Sound lags behind the TV image.

- Set “A/V SYNC” to “OFF” if “A/V SYNC” is set to “ON.”

The volume turns down when the output method changes from the TV speaker to the system speakers.

- The Volume Limit function is working. For details, see “Using the Volume Limit function” (page 40).

No sound or only a very low-level sound of the connected component is heard from the system.

- Press \triangleleft + and check the volume level.
- Press MUTE or \triangleleft + to cancel the muting function.
- Check that the input source is correctly selected.
- Check that all the cables and cords of the system and the connected components are fully inserted.
- Check the HDMI setting of the connected components.

No sound is output from specific speakers.

- Check that the connectors of the speaker cord are fully inserted into the jacks.
- Depending on the sound source that is input to the system or selected sound field of the system (page 37), no sound is output from the center speaker.

Sound is interrupted or there is noise.

- Check “Formats supported by this system” (page 54).

IMAGE

No image appears on the TV.

- Check that the TV and the system are connected correctly.
- Check that the TV is selected correctly.
- Set the TV to the appropriate input mode.
- Check whether HDMI IN and HDMI OUT are connected in reverse.
- Check that the cords are fully inserted into the jacks on both the component and this system (pages 22, 24).

No 3D image appears on the TV.

- Depending on the TV or the video component, 3D images may not be displayed. Check the 3D image formats supported by the system (page 55).

When the system is in standby mode, there is no image or sound on the TV.

- “CTRL HDMI” is set to “OFF.”
- When the system is in standby mode, image and sound are output from the HDMI component selected the last time you turned off the system. If you want to play a component other than the HDMI component you selected last time, play the component via One-Touch Play, or turn on the system to select the HDMI component you want to enjoy.
- Make sure “PASS THRU” is set to “ON” in the AMP menu if you connect components not compatible with “BRAVIA” Sync to the system (page 41).

The remote does not function

- Point the remote at the remote sensor R 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.

OTHER

Control for HDMI does not work properly.

- Check the HDMI connection (page 22).
- Set up Control for HDMI on the TV (page 38).
- Make sure the connected component is compatible with “BRAVIA” Sync.
- Check the Control for HDMI settings on the connected component. Refer to the operating instructions supplied of the connected component.
- If you change the HDMI connection, connect/disconnect the AC power cord (mains lead), or if there is a power failure, repeat the procedures of ““BRAVIA” Sync Features” (page 38).
- When you plug in or unplug the AC power cord (mains lead), wait 15 seconds or more before operating the system.

- If you connect the audio output of the video component and the system using other than an HDMI cable, no sound may be output because of “BRAVIA” Sync. In this case, set “CTRL HDMI” to “OFF” (page 39) or connect the audio output jack directly to the TV instead of the system.

If “PROTECTOR” and “PUSH POWER” appear alternately in the front panel display.

Press I/⏻ to turn off the system, and check the following item after “STANDBY” disappears.

- Is anything blocking the ventilation holes of the system?
After checking the above item and fixing any problems, turn on the system. If the cause of the problem cannot be found even after checking the above item, consult your nearest Sony dealer.

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

Use buttons on the system for the operation.

1 Press I/⏻ to turn on the power.

2 Press I/⏻ while pressing INPUT SELECTOR and VOLUME –.

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

Specifications

Formats supported by this system

Digital input formats supported by this system are as follows.

Format	Supported/Not supported
Dolby Digital	○
DTS	○
Linear PCM (2ch)*	○
Linear PCM (5.1ch, 7.1ch)* (Only on HDMI)	○
Dolby Digital Plus	×
Dolby True HD	×
DTS-HD	×

* Linear PCM accepts sampling frequencies of no more than 48 kHz.

Amplifier section

Power output (rated)

Front L / Front R: 65 W + 65 W
(at 4 ohms, 1 kHz, 1 % THD)

Power output (reference)

Front L/Front R: 100 W (per channel at 4 ohms, 1 kHz)

Center: 100 W (at 4 ohms, 5 kHz)

Subwoofer: 100 W (at 4 ohms, 100 Hz)

Inputs

TV, SA-CD/CD Analog

TV, SAT/CATV Digital (Optical)

VIDEO Digital (Coaxial)

HDMI section

Connector	HDMI™ connector
Video inputs/outputs	BD, DVD, SAT/CATV; 640 × 480p@60 Hz 720 × 480p@59.94/60 Hz 1280 × 720p@59.94/60 Hz 1920 × 1080i@59.94/60 Hz 1920 × 1080p@59.94/60 Hz 720 × 576p@50 Hz 1280 × 720p@50 Hz 1920 × 1080i@50 Hz 1920 × 1080p@50 Hz 1920 × 1080p@24 Hz
Video inputs/outputs (3D)	BD, DVD, SAT/CATV; 1280 × 720p@59.94/60 Hz Frame packing 1920 × 1080i@59.94/60 Hz Frame packing 1920 × 1080i@59.94/60 Hz Side-by-Side (Half) 1920 × 1080p@59.94/60 Hz Side-by-Side (Half) 1280 × 720p@50 Hz Frame packing 1920 × 1080i@50 Hz Frame packing 1920 × 1080i@50 Hz Side-by-Side (Half) 1920 × 1080p@50 Hz Side-by-Side (Half) 1920 × 1080p@24 Hz Frame packing
Audio inputs	BD, DVD, SAT/CATV; Linear PCM 7.1ch/ Dolby Digital/DTS

Tuner section

System	PLL quartz-locked digital synthesizer
FM tuner section	
Tuning range	87.5 - 108.0 MHz (50 kHz step)
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
AM tuner section	
Tuning range	531 kHz - 1,602 kHz (with the interval set at 9 kHz)
Antenna (aerial)	AM loop antenna (aerial)
Intermediate frequency	450 kHz

Speaker (SS-CT350)

Front speaker unit	
Speaker system	Full range
Speaker unit	40 mm × 70 mm, cone type × 2
Rated impedance	4 ohms
Center speaker unit	
Speaker unit	40 mm, cone type × 2
Rated impedance	4 ohms
Dimensions (approx.)	996 mm × 66 mm × 72 mm (w/h/d)
Mass (approx.)	2.4 kg
Speaker cords	3 m

Subwoofer (SA-WCT350)

Speaker system	Subwoofer, Bass reflex
Speaker unit	130 mm cone type
Rated impedance	4 ohms
Dimensions (approx.)	196 mm × 450 mm × 410 mm (w/h/d)
Mass (approx.)	10.5 kg

WS-CT350EB**Extension bracket**

Dimensions (approx.)	180 mm × 147 mm × 26 mm (w/h/d)
Mass (approx.)	55 g

Rear cover A

Dimensions (approx.)	80 mm × 85 mm × 14 mm (w/h/d)
Mass (approx.)	25 g

Rear cover B

Dimensions (approx.)	80 mm × 82 mm × 47 mm (w/h/d)
Mass (approx.)	35 g

Rear cover C

Dimensions (approx.)	80 mm × 82 mm × 47 mm (w/h/d)
Mass (approx.)	35 g

Cover for the TV

Dimensions (approx.)	273 mm × 245 mm × 31 mm (w/h/d)
Mass (approx.)	165 g

General

Power requirements 220 V - 240 V AC, 50/60 Hz

Power consumption

On: 80 W

Standby mode: 0.3 W or less (Control for HDMI is off.)

Power output

(DIGITAL MEDIA PORT) DC OUT: 5 V, 700 mA

Design and specifications are subject to change without notice.

- Standby power consumption 0.3 W or less.
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Over 85 % power efficiency of amplifier block is achieved with the full digital amplifier, S-Master.

Index

A

A/V SYNC 49
AMP menu 48
ARC 23, 42
AUDIO DRC 49
AUTO STBY 51

B

BASS 49
“BRAVIA” Sync 38

C

CNT LEVEL 49
Connecting
 AM loop antenna (aerial) 25
 Blu-ray Disc player 22
 cable television tuner 22, 24
 DIGITAL MEDIA PORT adapter 24
 DVD player 22, 24
 FM wire antenna (aerial) 26
 PlayStation 2 24
 PlayStation 3 23
 satellite tuner 22, 24
 TV 22

D

Digital optical cord 22
DIMMER 50
DISPLAY 35, 51
DUAL MONO 50

F

Front panel display 28

I

INPUT MODE 50
INPUT SELECTOR 27
Installing 7

M

Muting 29

N

NIGHT MODE 50

P

Positioning the system 7
Preventing the TV from falling 18
PROTECTOR 54

R

Radio 33
Radio stations 33
Remote
 before use 6
 operating 29, 43

S

Sleep timer 51
Sound field 37
SW LEVEL 49

T

TREBLE 49

V

VOLUME 27, 29
Volume Limit function 40



* 4 1 8 1 4 8 6 2 1 * (1)