

SONY[®]

4-261-379-11(1)

Blu-ray Disc/DVD Home Theatre System

Operating Instructions

BDV-E780W/BDV-E980W

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.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

Indoor use only.

CAUTION

The use of optical instruments with this product will increase eye hazard. As the laser beam used in this Blu-ray Disc / DVD Home Theatre System is harmful to eyes, do not attempt to disassemble the cabinet.

Refer servicing to qualified personnel only.



This appliance is classified as a CLASS 3R LASER product. Visible and invisible laser radiation is emitted when the laser protective housing is opened, so be sure to avoid direct eye exposure.

This marking is located on the laser protective housing inside the enclosure.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
1类激光产品

This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

For the customers in the U.S.A.

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

These following indications are located on the rear exterior.



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



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

Owner's Record

The model and serial numbers are located on the bottom exterior of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.
Model No. BDV-E780W
Serial No. _____

The following FCC statement applies only to the version of this model manufactured for sale in the U.S.A. Other versions may not

comply with FCC technical regulations.

NOTE:

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

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

CAUTION

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

Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals in order to meet FCC emission limits.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

For the customers in Canada

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.

For the main unit

The nameplate and the date of manufacture marking are located on the bottom exterior.

Precautions

On power sources

- 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.

On watching 3D video images

Some people may experience discomfort (such as eye strain, fatigue, or nausea) while watching 3D video images. Sony recommends that all viewers take regular breaks while watching 3D video images. The length and

frequency of necessary breaks will vary from person to person. You must decide what works best. If you experience any discomfort, you should stop watching the 3D video images until the discomfort ends; consult a doctor if you believe necessary. You should also review (i) the instruction manual and/or the caution message of any other device used with, or Blu-ray Disc contents played with this product and (ii) our website (<http://esupport.sony.com/>) for the latest information. The vision of young children (especially those under six years old) is still under development. Consult your doctor (such as a pediatrician or eye doctor) before allowing young children to watch 3D video images. Adults should supervise young children to ensure they follow the recommendations listed above.

For the customers in the U.S.A.

Blu-ray Disc/DVD receiver (HBD-E780W)

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65.

This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

For the wireless transceiver (EZW-RT50)

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

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

For the customers in Canada

Blu-ray Disc/DVD receiver (HBD-E980W)

Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules.

This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

For the wireless transceiver (EZW-RT50)

This Class B digital apparatus complies with Canadian ICES-003.

Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Copy Protection

Please be advised of the advanced content protection systems used in both Blu-ray Disc™ and DVD media. These systems, called AAC (Advanced Access Content System) and CSS (Content Scramble System), may contain some restrictions on playback, analog output, and other similar features. The operation of this product and the restrictions placed may vary depending on the date of purchase, as the governing board of the AAC may adopt or change its restriction rules after the time of purchase.

Copyrights and Trademarks

• This system incorporates with Dolby® Digital and Dolby Pro Logic (II) adaptive matrix surround decoder and the DTS** Digital Surround System.

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** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,226,616; 6,487,535; 7,212,872; 7,333,929; 7,392,195; 7,272,567 & other U.S. and worldwide patents issued & pending. DTS, DTS-HD and the Symbol are registered trademarks, & DTS-HD Master Audio, and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

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- Java is a trademark of Oracle and/or its affiliates.
- "BD-LIVE" and "BONUSVIEW" are trademarks of Blu-ray Disc Association.
- "Blu-ray Disc" is a trademark.
- "Blu-ray Disc," "DVD-RW," "DVD-RW," "DVD+R," "DVD-R," "DVD VIDEO," and "CD" logos are trademarks.
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- “Made for iPod,” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
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About These Operating Instructions

- The instructions in these Operating Instructions describe the controls on the remote. You can also use the controls on the unit if they have the same or similar names as those on the remote.
- In this manual, “disc” is used as a general reference for BDs, DVDs, Super Audio CDs, or CDs unless otherwise specified by the text or illustrations.
- The instructions in this manual are for BDV-E780W and BDV-E980W. BDV-E780W is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, “BDV-E780W only.”
- Some illustrations are presented as conceptual drawings, and may be different from the actual products.
- The items displayed on the TV screen may vary depending on the area.
- The default setting is underlined.

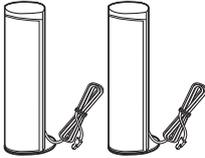
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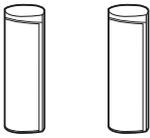
Unpacking

BDV-E780W

- Front speakers (2)



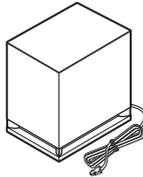
- Surround speakers (2)



- Center speaker (1)



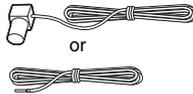
- Subwoofer (1)



- Speaker cords (3, green/gray/blue)



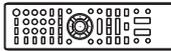
- FM wire antenna (aerial) (1)



- Video cord (1)



- Remote commander (remote) (1)



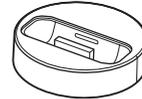
- R6 (size AA) batteries (2)



- Calibration mic (1)



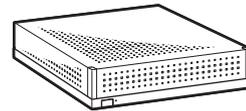
- Dock for iPod/iPhone (TDM-iP30) (1)



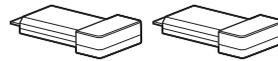
- USB cable (1)



- Surround amplifier (1)



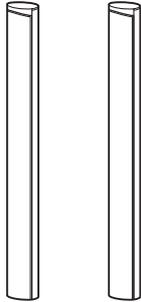
- Wireless transceivers (2)



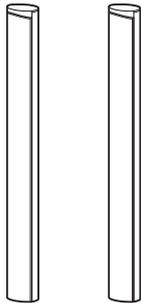
- Operating Instructions
- Quick Setup Guide
- Speaker Installation Guide
- Software License Information
- Easy Setup Disc (DVD)

BDV-E980W

- Front speakers (2)



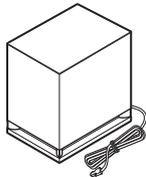
- Surround speakers (2)



- Center speaker (1)



- Subwoofer (1)



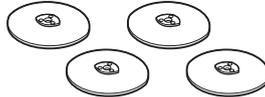
- Speaker cords (5, red/white/green/gray/blue)



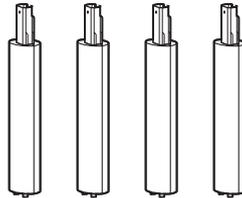
- Speaker-bottom covers (4)



- Bases (4)



- Lower parts of the front and surround speakers (4)



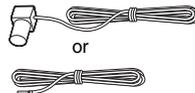
- Screws (silver) (4)



- Screws (black) (12)



- FM wire antenna (aerial) (1)



or



- Video cord (1)



- Remote commander (remote) (1)



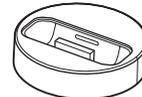
- R6 (size AA) batteries (2)



- Calibration mic (1)



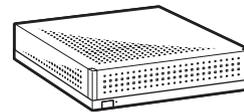
- Dock for iPod/iPhone (TDM-iP30) (1)



- USB cable (1)



- Surround amplifier (1)



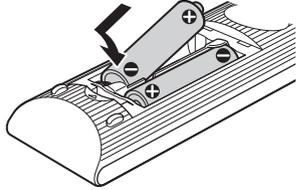
- Wireless transceivers (2)



- Operating Instructions
- Quick Setup Guide
- Speaker Installation Guide
- Software License Information
- Easy Setup Disc (DVD)

Preparing the remote

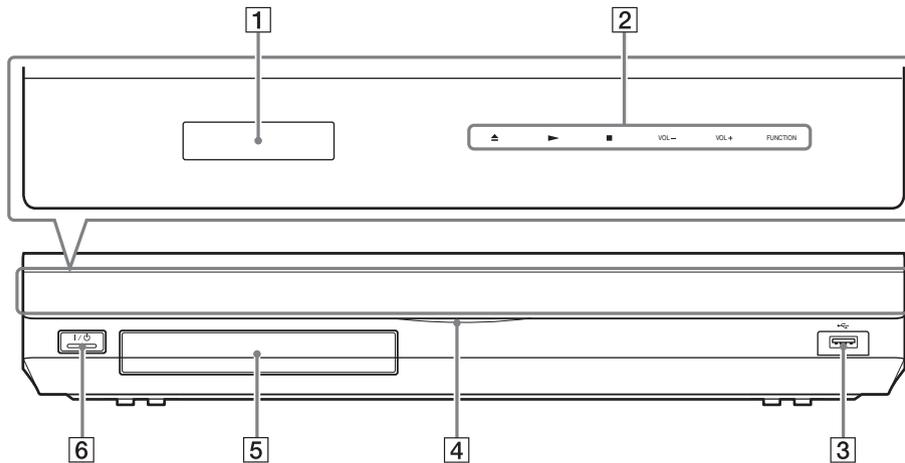
Insert two R6 (size AA) batteries (supplied) by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment.



Index to Parts and Controls

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

Front panel



- 1 Front panel display**
- 2 Soft-touch buttons/indicators**
 - ▲ (open/close) (page 34)**
Opens or closes the disc tray.
 - ▶ (play)**
Starts or re-starts playback (resume play).
Plays a slideshow when a disc containing JPEG image files is inserted.
 - (stop)**
Stops playback and remembers the stop point (resume point).
The resume point for a title/track is the last point you played or the last photo for a photo folder.
 - VOL +/-**
Adjusts the system's volume.
 - FUNCTION**
Selects the playback source.
- 3 ↔ (USB) port (page 35)**
Used for connecting a USB device.
- 4 Power indicator**
Lights up while the system is turned on.
- 5 Disc tray (page 34)**
- 6 I/⏻ (on/standby)/Remote sensor**
Turns on the unit, or sets it to standby mode.

About soft-touch buttons/indicators

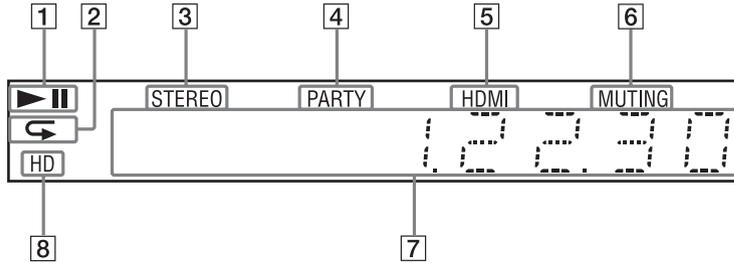
These buttons function when the soft-touch button indicators are lit. You can turn on/off the indicators by setting [Illumination/Display] (page 63). When you set [Illumination/Display] to [Simple/Off], the indicators turn off. In this case, touch any soft-touch button. When the indicators light up, touch the desired button.

Note

- These buttons work when you touch them lightly. Do not press on them with excessive force.

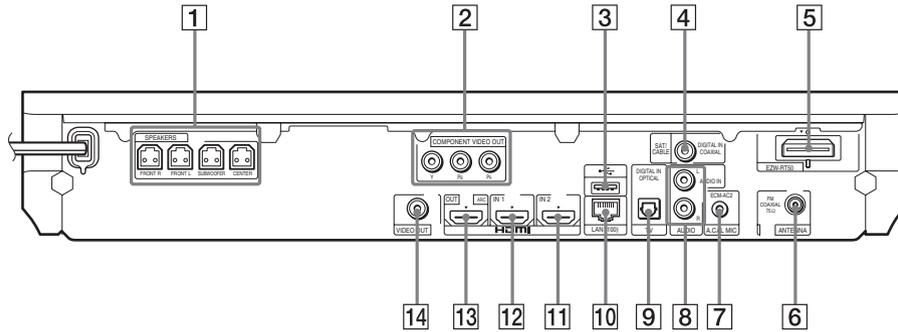
Front panel display

About the indications in the front panel display



- | | |
|---|--|
| 1 Displays the system's playing status. | 6 Lights up when muting is on. |
| 2 Lights up when repeat play is activated. | 7 Displays the system's status, such as radio frequency, etc. |
| 3 Lights up when stereo sound is received. (Radio only) | 8 Lights up when outputting 720p/1080i/1080p video signals from the HDMI (OUT) jack or 720p/1080i video signals from the COMPONENT VIDEO OUT jacks. |
| 4 Lights up when the system is playing via the PARTY STREAMING function. | |
| 5 Lights up when the HDMI (OUT) jack is correctly connected to an HDCP (High-bandwidth Digital Content Protection)-compliant device with HDMI or DVI (Digital Visual Interface) input. | |

Rear panel



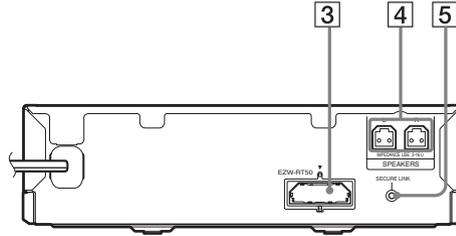
- | | |
|---|---|
| 1 SPEAKERS jacks (page 20) | 8 AUDIO (AUDIO IN L/R) jacks (page 24) |
| 2 COMPONENT VIDEO OUT jacks (page 22) | 9 TV (DIGITAL IN OPTICAL) jack (page 22) |
| 3 (USB) port (page 35) | 10 LAN (100) terminal (page 27) |
| 4 SAT/CABLE (DIGITAL IN COAXIAL) jack (page 24) | 11 HDMI (IN 2) jack (page 24) |
| 5 Wireless transceiver (EZW-RT50) slot (page 28) | 12 HDMI (IN 1) jack (page 24) |
| 6 ANTENNA (FM COAXIAL 75Ω) jack (page 26) | 13 HDMI (OUT) jack (page 22) |
| 7 A.CAL MIC jack (pages 29, 48) | 14 VIDEO OUT jack (page 22) |

Surround amplifier

Front panel



Rear panel



1 I/O (Power)

Turns the surround amplifier on/off.

2 LINK/STANDBY indicator

You can check the status of wireless transmission between the main unit and surround amplifier.

Indicator	Status
Turns green.	The system is turned on, wireless transmission is activated and surround signals are being received.
Turns orange.	The system is turned on, wireless transmission is activated with the Secure Link function, and surround signals are being received.
Flashes green quickly.	The wireless transceiver is not inserted correctly into the wireless transceiver slot.
Flashes green or orange slowly.	Wireless transmission is deactivated.
Turns red.	The surround amplifier is in standby mode while the system is in standby mode or wireless transmission is deactivated.
Turns off.	The surround amplifier is turned off.
Flashes red.	The surround amplifier's protection is active.

3 Wireless transceiver (EZW-RT50) slot

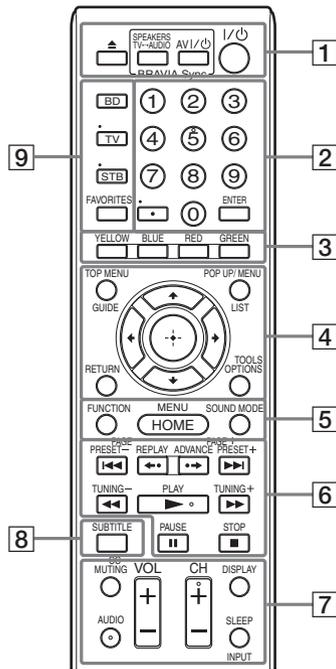
4 SPEAKERS jacks

5 SECURE LINK button (page 54)

Starts the Secure Link function.

Remote control

The buttons for system operation only are described below. See “Controlling Your TV or Other Components with the Supplied Remote” (page 51) for the buttons for operation of the connected components.



- Number 5, AUDIO, CH +, and ► buttons have a tactile dot. Use the tactile dot as a reference when operating the remote.
- Names of buttons that work after pressing the TV or STB operation mode buttons are indicated with yellow label.

1 ▲ (open/close)

Opens or closes the disc tray.

SPEAKERS TV↔AUDIO

Selects whether TV sound is output from the system’s speakers or the TV’s speaker(s). This function works only when you set [Control for HDMI] to [On] (page 64).

AV I/⏻ (on/standby) (page 51)

Turns on the TV or other component, or sets it to standby mode.

I/⏻ (on/standby) (pages 29, 45)

Turns on the system or sets it to standby mode.

2 Number buttons (pages 46, 51)

Enters the title/chapter numbers, preset station number, etc.

ENTER

Enters the selected item.

• (dot)

Inputs “.” (dot) when inputting numerics.

3 Color buttons (yellow/blue/red/green)

Short cut keys for selecting items on some BD menus (can also be used for Java interactive operations on BDs).

4 TOP MENU

Opens or closes the BD’s or DVD’s Top Menu.

POP UP/MENU

Opens or closes the BD-ROM’s Pop-up Menu, or the DVD’s menu.

OPTIONS (pages 31, 40, 53)

Displays the options menu on the TV screen or in the front panel display. (The location differs based on the selected function.)

RETURN

Returns to the previous display.

←/↑/↓/→

Moves the highlight to a displayed item.

+ (enter)

Enters the selected item.

5 FUNCTION (pages 30, 45)

Selects the playback source.

HOME (pages 29, 45, 48, 49, 53, 54, 55, 59)

Enters or exits the system's home menu.

SOUND MODE (page 43)

Selects the sound mode.

6 Playback operation buttons

See "Playback" (page 34).

◀◀/▶▶ (previous/next)

Skip to the previous/next chapter, track, or file.

◀•/•▶ (replay/advance)

Briefly replay the current scenes for 10 seconds./Briefly fast forwards the current scenes for 15 seconds.

◀◀/▶▶ (fast/slow/freeze frame)

Fast reverse/fast forward the disc during playback. Each time you press the button, the search speed changes.

Activates slow-motion play when pressed for more than one second in pause mode. Plays one frame at a time when pressed in pause mode.

Slow-motion and single-frame playback are not available for Blu-ray 3D Discs.

▶ (play)

Starts or re-starts playback (resume play). Activates One-Touch Play (page 47) when the system is on and set to the "BD/DVD" function.

|| (pause)

Pauses or re-starts playback.

■ (stop)

Stops playback and remembers the stop point (resume point). The resume point for a title/track is the last point you played or the last photo for a photo folder.

Radio operation buttons

See "Tuner" (page 45).

PRESET +/-

TUNING +/-

7 MUTING

Turns off the sound temporarily.

AUDIO (pages 43, 44)

Selects the audio format/track.

VOL +/- (page 45)

Adjusts the volume.

DISPLAY (pages 34, 38, 53)

Displays playback and web browsing information on the TV screen.

Displays the preset radio station, frequency, etc., in the front panel display.

Displays the stream information/decoding status in the front panel display when the function is set to other than "BD/DVD," "FM," and "AUDIO." When the system is set to the "HDMI1," "HDMI2," "TV," or "SAT/CABLE" function, the stream information/decoding status appears only when a digital signal is input.

The stream information/decoding status may not appear depending on the stream or item being decoded.

SLEEP (page 50)

Sets the sleep timer.

8 SUBTITLE (page 62)

Selects the subtitle language when multilingual subtitles are recorded on a BD-ROM/DVD VIDEO.

9 Operation mode buttons (page 51)

Changes the component to be operated on the remote.

STB: You can operate a cable box, digital satellite receiver, digital video receiver, etc.

TV: You can operate a TV.

BD: You can operate this Blu-ray Disc/DVD Home Theatre System.

FAVORITES

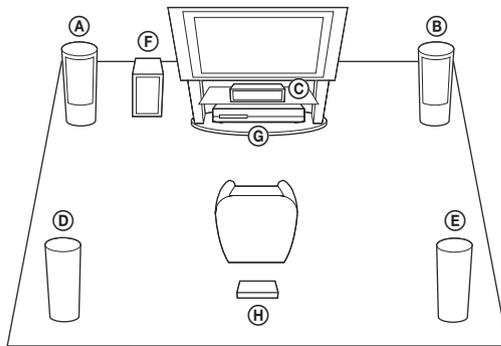
Displays the Internet contents added to the Favorites List. You can save 18 favorite Internet contents.

Getting Started

Step 1: Installing the System

How to position the system

Install the system by referring to the illustration below.



- Ⓐ Front speaker (L (left))
- Ⓑ Front speaker (R (right))
- Ⓒ Center speaker
- Ⓓ Surround speaker (L (left))
- Ⓔ Surround speaker (R (right))
- Ⓕ Subwoofer
- Ⓖ Unit
- Ⓗ Surround amplifier

Note

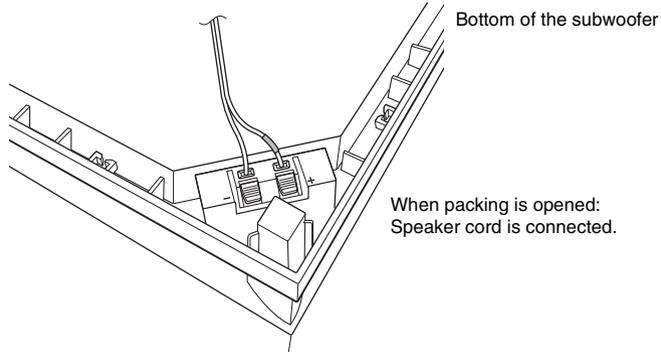
- Use caution when placing the speakers and/or speaker stands attached to the speakers on a specially treated (waxed, oiled, polished, etc.) floor, as staining or discoloration may result.
- Do not lean or hang on a speaker, as it may fall down.

Tip

- To assemble the speakers, refer to the supplied "Speaker Installation Guide." (BDV-E980W only)
- You can install the speakers on a wall. For details, refer to the supplied "Speaker Installation Guide."

About the subwoofer's speaker cord

You can arrange the subwoofer's speaker cord by changing which direction it protrudes from the bottom of the subwoofer.

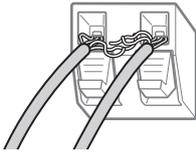


Note

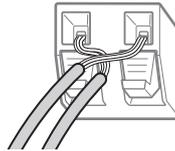
- To avoid short-circuiting the speakers, make sure that the speaker cord connection is not like the following examples. If there is a problem, correct it.

Examples of an improper speaker cord connection

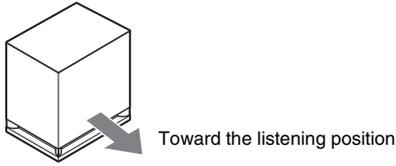
Stripped speaker cord is touching another speaker terminal



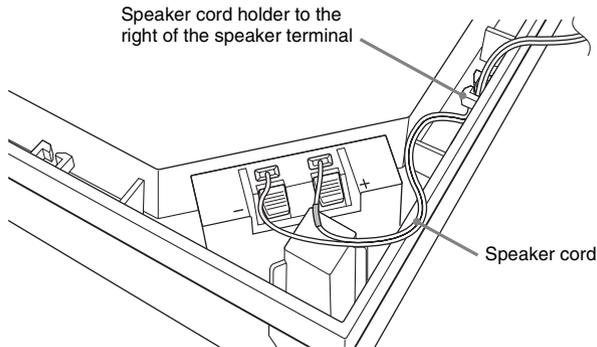
Stripped cords are touching each other due to excessive removal of insulation



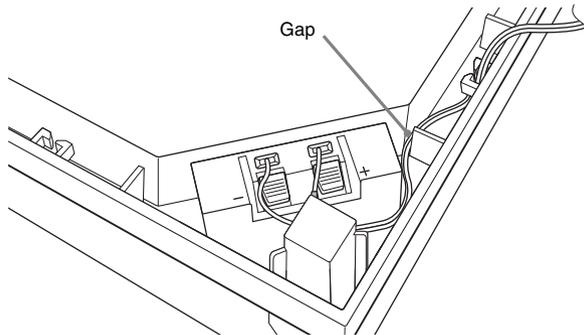
When installing the subwoofer with the wide side facing forward



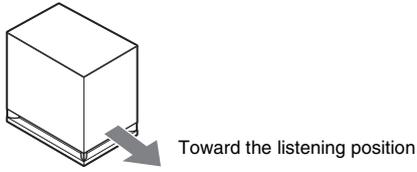
- 1** Secure the speaker cord in the speaker cord holder to the right of the speaker terminal.



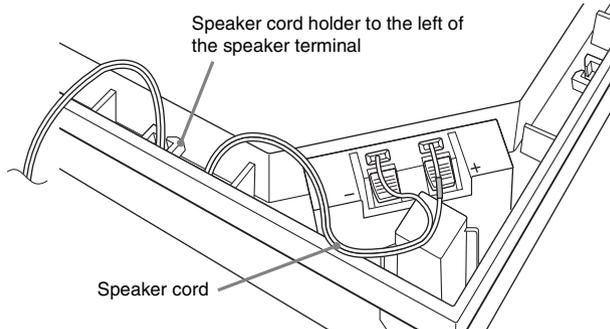
- 2** Thread the speaker cord through the gap along the side of the subwoofer.



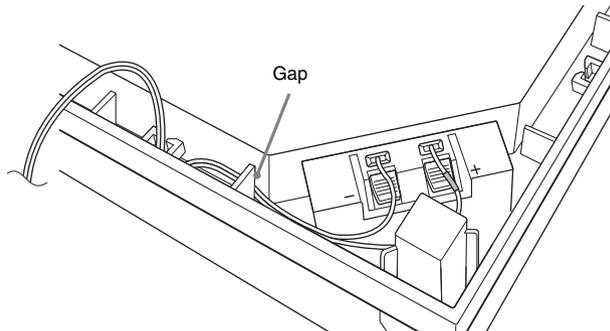
When installing the subwoofer with the narrow side facing forward



- 1** Secure the speaker cord in the speaker cord holder to the left of the speaker terminal.



- 2** Thread the speaker cord through the gap along the side of the subwoofer.



Step 2: Connecting the System

For connecting the system, read the information on the following pages.

Do not connect the AC power cords (mains leads) of the unit and surround amplifier to a wall outlet (mains) until all the other connections are made.

To assemble the speakers, refer to the supplied "Speaker Installation Guide." (BDV-E980W only)

Note

- When you connect another component with a volume control, turn down the volume of the other components to a level where sound is not distorted.

Connecting the speakers

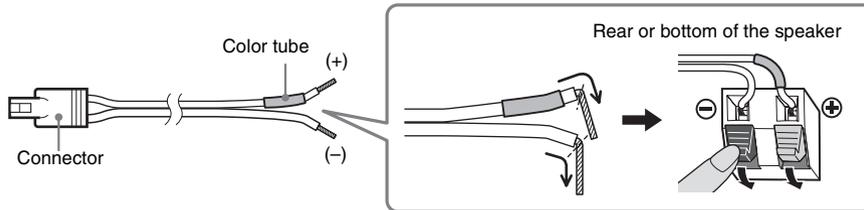
To connect speaker cords to the speaker

You need to connect a speaker cord to each of the following speakers:

- BDV-E780W: Center and surround speakers.
- BDV-E980W: Front, center, and surround speakers.

The connector of the speaker cords and the color tube are color-coded based on the speaker type.

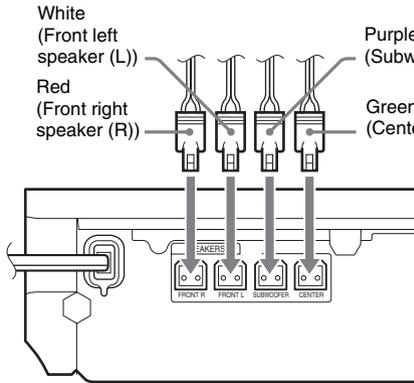
Be sure to match the speaker cords to the appropriate terminals on the speakers: the speaker cord with the color tube to \oplus , and the speaker cord without the color tube to \ominus . Do not catch the speaker cord insulation (rubber covering) in the speaker terminals.



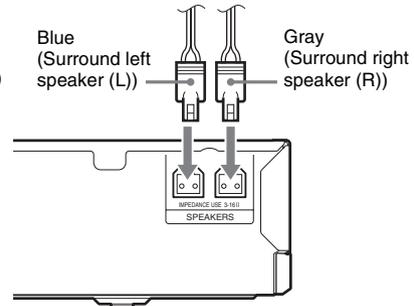
To connect speaker cords to the unit and surround amplifier

Connect the speaker cords to match the color of the SPEAKERS jacks of the unit and surround amplifier.

When connecting to the unit and surround amplifier, insert the connector until it clicks.



Rear panel of the unit



Rear panel of the surround amplifier

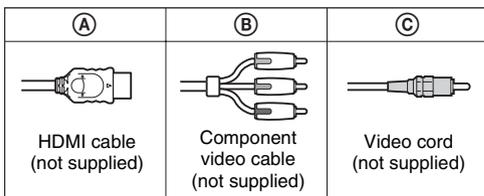
Connecting the TV

Connect the system to your TV to display the image of the system on your TV, and listen to TV sound via the system's speakers.

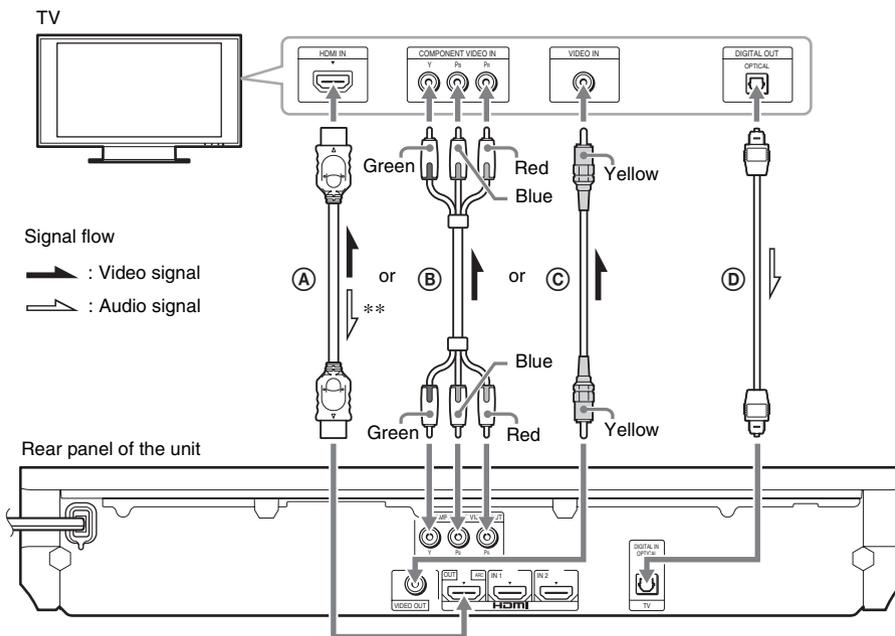
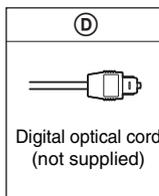
Depending on the jacks and functions on your TV, select the connection method.

- When your TV has an HDMI jack that is marked "ARC**": Connection (A)
- When your TV has an HDMI jack: Connections (A) and (D)
- When your TV has component video input jacks: Connections (B) and (D)
- When your TV does not have jacks above: Connections (C) and (D)

Video connections



Audio connection



* Audio Return Channel. For details, see "About Audio Return Channel" (page 23).

** Available only when your TV is compatible with the Audio Return Channel function.

A HDMI cable connection

If your TV has an HDMI jack, connect to the TV with an HDMI cable. This will provide better image quality compared to other types of connections.

When connecting with an HDMI cable, you need to select the type of output signal when performing the Easy Setup (page 29).

For further HDMI settings, see “[HDMI Settings]” (page 64).

About Audio Return Channel

If your TV is compatible with the Audio Return Channel 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. For setting the Audio Return Channel function, see [Audio Return Channel] (page 64).

B Component video cable connection

If your TV does not have an HDMI jack, but has component video input jacks, connect to the TV with a component video cable. Picture quality will be improved compared to using a video cord connection. When connecting with a component video cable, you need to select the type of output signal in the Easy Setup (page 29).

C Video cord connection

If your TV does not have an HDMI jack or a component video input jack, make this connection.

D Digital optical cord connection

This connection sends an audio signal to the system from the TV. To listen to TV sound via the system, perform this connection. With this connection, the system receives a Dolby Digital multiplex broadcast signal and you can enjoy multiplex broadcast sound.

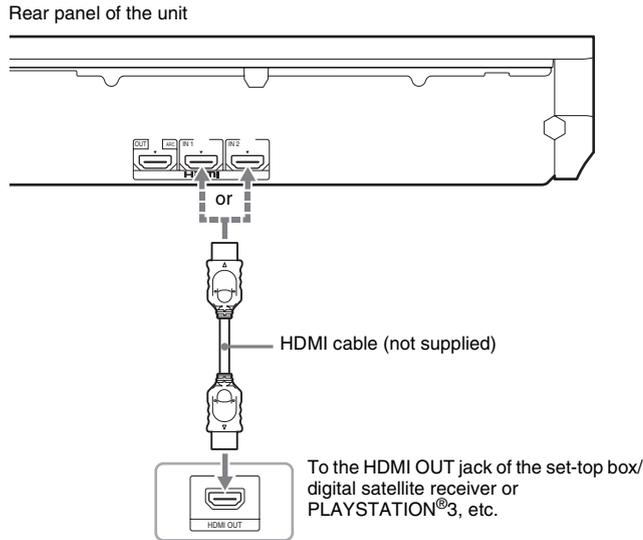
Note

- You can enjoy the TV sound by selecting the “TV” function (page 30).
- If your TV does not have a digital optical output jack, you can connect the unit and your TV with an audio cord for listening to TV sound via the system. For connection details, see “Connecting the other components” (page 24).

Connecting the other components

When a component you wish to connect to the system has an HDMI (OUT) jack

You can connect a component that has an HDMI (OUT) jack such as a set-top box/digital satellite receiver or PLAYSTATION®3, etc., with an HDMI cable. An HDMI cable connection can send both video and audio signals. By connecting the system and the component using an HDMI cable, you can enjoy high-quality digital picture and sound via the HDMI (IN 1) or HDMI (IN 2) jack.

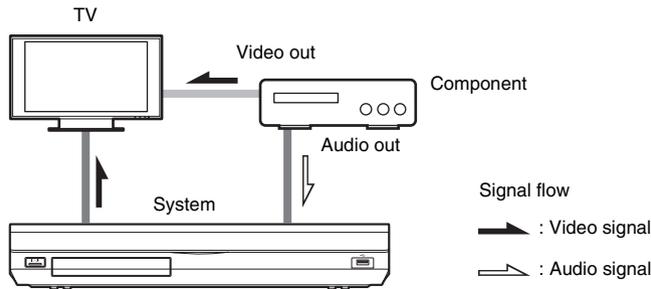


Note

- Video signals from the HDMI (IN 1/2) jacks are sent to the HDMI (OUT) jack only when the “HDMI1” or “HDMI2” function is selected.
- To send an audio signal from the HDMI (IN 1/2) jacks to the HDMI (OUT) jack, you may need to change the audio output setting. For details, see [Audio Output] in [Audio Settings] (page 62).

When the component does not have an HDMI OUT jack

Connect the system so that video signals from the system and other component are sent to the TV, and audio signals from the component are sent to the system as follows.

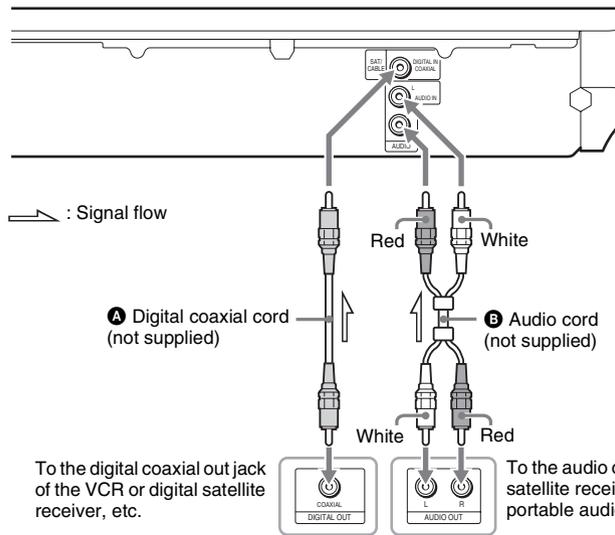


If the component plays sound only, connect the audio output of the component to the system.

Depending on the jacks on the component, select the connection method.

- Component which has a digital coaxial output jack: **A**
- Component which does not have a digital coaxial output jack: **B**

Rear panel of the unit



To the digital coaxial out jack of the VCR or digital satellite receiver, etc.

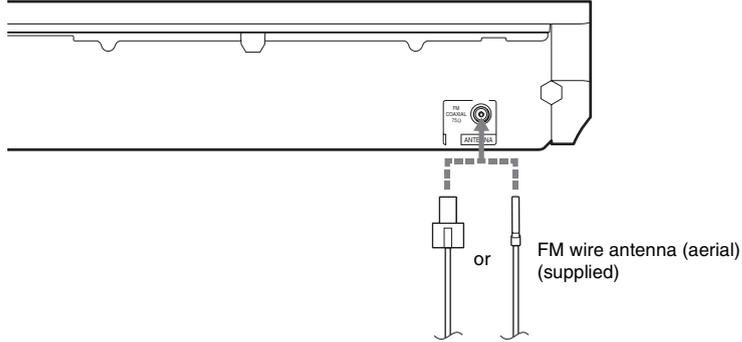
To the audio out jacks of the VCR, digital satellite receiver, PlayStation, or portable audio source, etc.

Note

- If you make connection above, set [Control for HDMI] in [HDMI Settings] of [System Settings] to [Off] (page 64).
- You can enjoy component sound by selecting the “SAT/CABLE” function for connection **A**, or the “AUDIO” function for connection **B** (page 30).

Connecting the antenna (aerial)

Rear panel of the unit



Note

- Be sure to fully extend the FM wire antenna (aerial).
- After connecting the FM wire antenna (aerial), keep it as horizontal as possible.

Tip

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

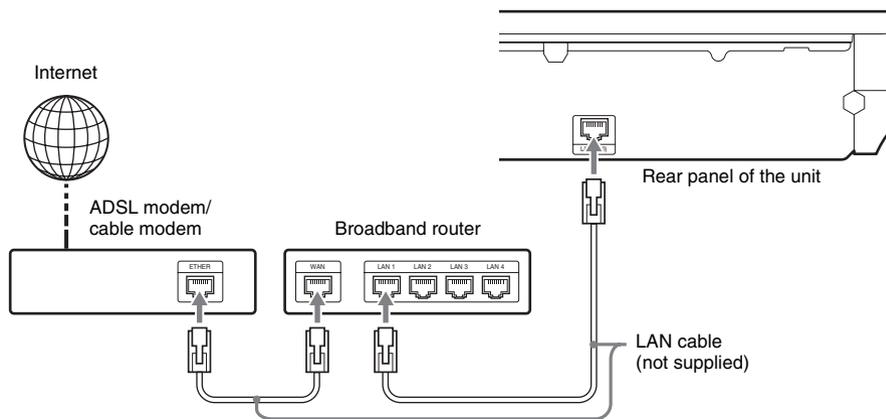
Step 3: Connecting to the Network

Note

- To connect the system to your network, you need to make network settings that suit your usage environment and components. For details, see “Setting up the Network” (page 55) and “[Network Settings]” (page 64).

Select the method based on your LAN (Local Area Network) environment.

- If you use a wireless LAN
The system has built-in Wi-Fi, and you can connect the system to the network by making the network settings.
- If you use other than a wireless LAN
Connect to the network by making a LAN cable connection as follows.



Note

- The placement distance between the unit and your wireless LAN router differs based on your usage environment. If the system cannot connect to the network or the network connection is unstable, place the unit and the wireless LAN router closer to each other. When you cannot place the unit and the wireless LAN router closer to each other, use the optional USB Wireless LAN Adapter (Sony UWA-BR100* only).
- To connect to a wireless LAN using a 5 GHz frequency band, you need the optional USB Wireless LAN Adapter (Sony UWA-BR100* only).
* As of November 2010. The USB Wireless LAN Adapter may not be available in some regions/countries.
- You can also get information for network settings from the following Sony support page:

For customers in the U.S.:
<http://www.sony.com/support>

For customers in Canada:
English: <http://www.sony.ca/support>
French: <http://fr.sony.ca/support>

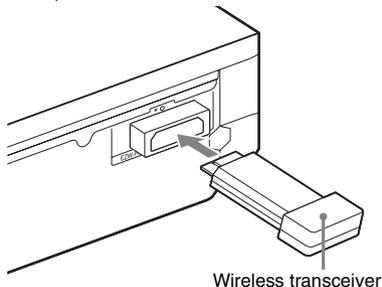
For customers in Mexico and Latin America:
<http://esupport.sony.com/LA>

Step 4: Setting up the Wireless System

The unit transmits sound to the surround amplifier that is connected to the surround speakers. To activate wireless transmission, perform the following Steps.

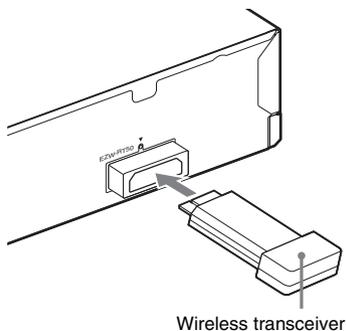
1 Insert the wireless transceiver into the unit.

Rear panel of the unit



2 Insert the wireless transceiver into the surround amplifier.

Rear panel of the surround amplifier



3 Connect the AC power cord (mains lead) of the unit.

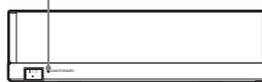
Before connecting the AC power cord, make sure all connections in “Step 2: Connecting the System” (page 20) are secure.

4 Press I/⏻ to turn the system on.



5 Connect the AC power cord (mains lead) of the surround amplifier.

LINK/STANDBY indicator



When wireless transmission is activated, the LINK/STANDBY indicator turns green.

If the LINK/STANDBY indicator does not turn on, see “Surround amplifier” (page 13) and “Wireless sound” (page 71).

About the standby mode

The surround amplifier enters standby mode automatically (the LINK/STANDBY indicator turns red) when the main unit is in standby mode or wireless transmission is deactivated.

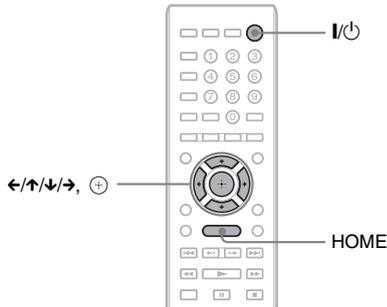
The surround amplifier turns on automatically (the LINK/STANDBY indicator turns green) when the main unit is turned on and wireless transmission is activated.

To specify the wireless connection

If you use multiple wireless products, you can specify the wireless connection to link the main unit to the surround amplifier (Secure Link function). For details, see “Further Settings for the Wireless System” (page 54).

Step 5: Performing the Easy Setup

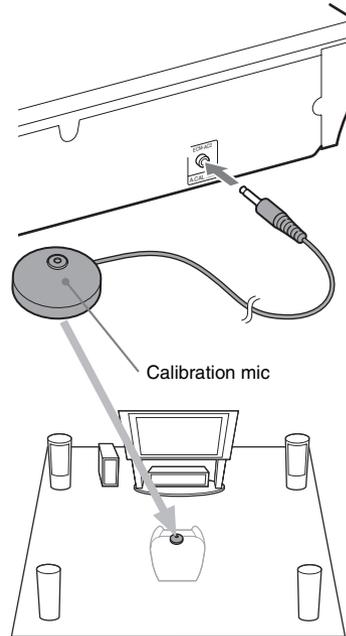
Follow the Steps below to make the basic adjustments for using the system.
Displayed items vary depending on the country model.



1 Turn on the TV.

2 Connect the calibration mic to the A.CAL MIC jack on the rear panel.

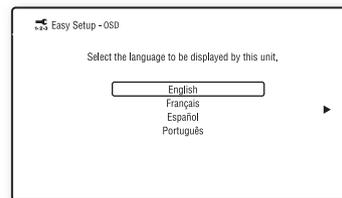
Set up the calibration mic at ear level using a tripod, etc. (not supplied). The front of each speaker should face the calibration mic, and there should be no obstruction between the speakers and the calibration mic.



3 Press I/O.

4 Switch the input selector on your TV so that the signal from the system appears on the TV screen.

The Easy Setup Display for OSD language selection appears.



5 Perform the [Easy Setup]. Follow the on-screen instructions to make the basic settings using ←/↑/↓/→, and ⊕.

Depending on the connection method (page 22), perform the following setting.

- HDMI cable connection: Follow the instructions that are displayed on the TV screen.
- Component video cable connection: Select the picture quality. The available settings are as follows, from lowest to highest picture quality: 480i*, 480p**, 720p, and 1080i.
 - * 480i/576i for Mexican and Latin American models.
 - ** 480p/576p for Mexican and Latin American models.

Note

- BD-ROM playback of protected content via component video output is only supported at 480i* output resolution. For details, see “Copy Protection” (page 4).
 - * 480i/576i for Mexican and Latin American models.
- Video cord connection: Select [16:9] or [4:3] so that the picture is displayed correctly.

For details about [Auto Calibration] settings in [Easy Setup], see “Calibrating the Appropriate Settings Automatically” (page 48).

To recall the Easy Setup Display

- 1 Press HOME.**
The home menu appears on the TV screen.
- 2 Press ←/→ to select [Setup].**
- 3 Press ↑/↓ to select [Easy Setup], then press ⊕.**
- 4 Press ←/→ to select [Start], then press ⊕.**
The Easy Setup Display appears.

Step 6: Selecting the Source

You can select the playback source.



FUNCTION

Press FUNCTION repeatedly until the desired function appears in the front panel display.

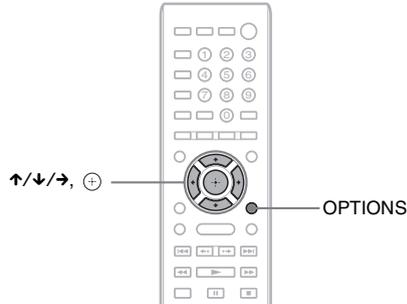
Each time you press FUNCTION, the function changes as follows.

“BD/DVD” → “FM” → “HDMI1” →
“HDMI2” → “TV” → “SAT/CABLE” →
“AUDIO” → “BD/DVD” → ...

Function	Source
“BD/DVD”	Disc, USB device, iPod/iPhone, or network device to be played by the system
“FM”	FM radio (page 45)
“HDMI1”/ “HDMI2”	Component that is connected to the HDMI (IN 1) or HDMI (IN 2) jack on the rear panel (page 24)
“TV”	Component (TV, etc.) that is connected to the TV (DIGITAL IN OPTICAL) jack on the rear panel, or a TV compatible with the Audio Return Channel function that is connected to the HDMI (OUT) jack on the rear panel (page 22)
“SAT/CABLE”	Component that is connected to the SAT/CABLE (DIGITAL IN COAXIAL) jack on the rear panel (page 24)
“AUDIO”	Component that is connected to the AUDIO (AUDIO IN L/R) jacks on the rear panel (page 24)

Step 7: Enjoying Surround Sound

After performing the previous Steps and starting playback, you can easily enjoy surround sound. You can also select pre-programmed surround settings that are tailored to different kinds of sound sources. They bring the exciting and powerful sound of movie theaters into your home.



Selecting surround settings based on your listening preference

The setting method differs depending on the function.

When playing via the “BD/DVD”* or “FM” function

- 1 Press OPTIONS.**
The option menu appears on the TV screen.
- 2 Press ↑/↓ to select [Surround Setting], then press ⊕.**
- 3 Press ↑/↓ repeatedly until the surround setting you want appears on the TV screen.**
See the table below for surround sound setting descriptions.
- 4 Press ⊕.**
The setting is made.

* Surround sound settings do not apply to Internet content.

When playing via the “HDMI1,” “HDMI2,” “TV,” “SAT/CABLE,” or “AUDIO” function

- 1 Press OPTIONS.**
The option menu appears in the front panel display.
- 2 Press ↑/↓ repeatedly until “SUR. SET” appears in the front panel display, then press ⊕ or →.**
- 3 Press ↑/↓ repeatedly until the surround setting you want appears in the front panel display.**
See the table below for surround sound setting descriptions.
- 4 Press ⊕.**
The setting is made.

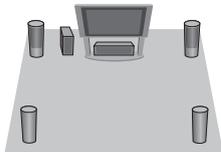
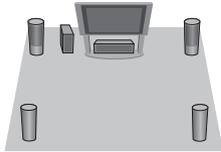
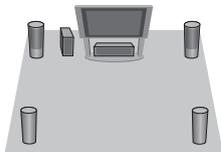
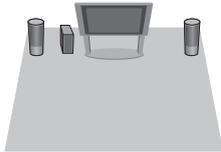
5 Press **OPTIONS**.

The option menu in the front panel display turns off.

About speaker output of each surround setting

The table below describes the options when you connect all the speakers to the unit.

The default setting is [A.F.D. Multi] (“A.F.D. MULTI”).

Sound from	Surround setting	Effect
Depending on the source.	[A.F.D. Standard] “A.F.D. STD” (AUTO FORMAT DIRECT STANDARD)	The system discriminates the sound format of the source and presents sound as it was recorded/encoded.
	[A.F.D. Multi] “A.F.D. MULTI” (AUTO FORMAT DIRECT MULTI)	<ul style="list-style-type: none"> • 2 channel source: The system simulates surround sound from 2 channel sources and outputs sound from the 5.1 channel speakers by duplicating 2 channel source sound across each speaker. • Multi-channel source: The system outputs sound from the speakers depending on the number of channels of the source.
	<ul style="list-style-type: none"> • [Dolby Pro Logic] “PRO LOGIC” • [Dolby PL II Movie] “PLII MOVIE” 	<ul style="list-style-type: none"> • 2 channel source: The system simulates surround sound from 2 channel sources and outputs sound from the 5.1 channel speakers. <ul style="list-style-type: none"> – [Dolby Pro Logic] (“PRO LOGIC”) performs Dolby Pro Logic decoding. – [Dolby PL II Movie] (“PLII MOVIE”) performs Dolby Pro Logic II movie mode decoding. • Multi-channel source: The system outputs sound from the speakers depending on the number of channels of the source.
	<ul style="list-style-type: none"> • [DTS Neo:6 Cinema] “NEO6 CIN” • [DTS Neo:6 Music] “NEO6 MUS” 	<ul style="list-style-type: none"> • 2 channel source: The system simulates surround sound from 2 channel sources and produces 6.1 channel sound. <ul style="list-style-type: none"> – [DTS Neo:6 Cinema] (“NEO6 CIN”) performs DTS Neo:6 Cinema mode decoding. – [DTS Neo:6 Music] (“NEO6 MUS”) performs DTS Neo:6 Music mode decoding. • Multi-channel source: The system outputs sound from the speakers depending on the number of channels of the source.
	[2ch Stereo] “2CH ST.”	The system outputs the sound from the front speakers and subwoofer regardless of sound format or number of channels. Multi-channel surround formats are downmixed to 2 channels.

Note

- When you select [A.F.D. Multi] (“A.F.D. MULTI”), depending on the disc or source, the beginning of the sound may be cut off while the optimum mode is automatically selected. To avoid cutting the sound, select [A.F.D. Standard] (“A.F.D. STD”).
- When bilingual broadcast sound is input, [Dolby Pro Logic] (“PRO LOGIC”) and [Dolby PL II Movie] (“PLII MOVIE”) are not effective.
- Depending on the input stream, the surround settings may not be effective.
- When you play a Super Audio CD, surround settings are not activated.

Tip

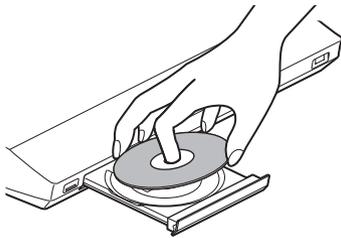
- You can also select the surround setting in [Surround Setting] of [Audio Settings] (page 62).
- For functions other than “BD/DVD,” “FM,” and “AUDIO,” you can check whether [Dolby Pro Logic] (“PRO LOGIC”) or the DTS Neo:6 mode is activated by pressing DISPLAY repeatedly so that the stream information/decoding status appears in the front panel display.

Playback

Playing a Disc

For playable discs, see “Playable Discs” (page 74).

- 1 **Switch the input selector on your TV so that the signal from the system appears on your TV screen.**
- 2 **Press , and place a disc on the disc tray.**



- 3 **Press  to close the disc tray.**
 - appears on the home menu and playback starts.If playback does not start automatically, select ● in the  [Video],  [Music], or  [Photo] category, and press .

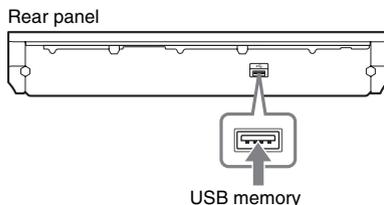
Enjoying BONUSVIEW/BD-LIVE

Some BD-ROMs with “BD-LIVE Logo*” have bonus content and other data that can be downloaded for enjoyment.

* 

- 1 **Connect the USB device to the  (USB) port on the rear of the unit.**

For local storage, use a 1 GB or larger USB memory.



- 2 **Prepare for BD-LIVE (BD-LIVE only).**

- Connect the system to a network (page 27).
- Set [BD Internet Connection] to [Allow] (page 62).

- 3 **Insert a BD-ROM with BONUSVIEW/BD-LIVE.**

The operation method differs depending on the disc. Refer to the operating instructions of the disc.

Tip

- To delete data in the USB memory, select [Erase BD Data] in  [Video], and press . All data stored in the buda folder will be deleted.

Enjoying Blu-ray 3D

You can enjoy Blu-ray 3D Discs with the 3D logo*.

* 

- 1 **Prepare for Blu-ray 3D Disc playback.**

- Connect the system to your 3D-compatible TV using a High-Speed HDMI cable (not supplied).
- Set [3D Output Setting] and [TV Screen Size Setting for 3D] in [Screen Settings] (page 60).

- 2 **Insert a Blu-ray 3D Disc.**

The operation method differs depending on the disc. Refer to the operating instructions supplied with the disc.

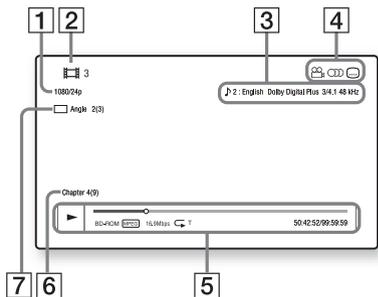
Tip

- Refer also to the operating instructions of your 3D-compatible TV.

Displaying the play information

You can check the playback information, etc., by pressing DISPLAY. The displayed information differs depending on the disc type and system status.

Example: when playing a BD-ROM



- 1 Output resolution/Video frequency
- 2 Title number or name
- 3 The currently selected audio setting
- 4 Available functions (angle, audio, subtitle)
- 5 Playback information
Displays play mode, playing status bar, disc type, video codec, bit rate, repeat type, elapsed time, total playing time
- 6 Chapter number
- 7 The currently selected angle

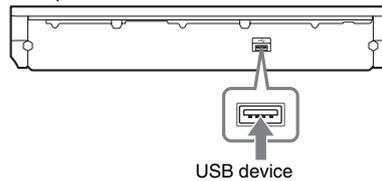
Playing from a USB Device

You can play video/music/photo files on the connected USB device. For playable types of files, see “Playable Types of Files” (page 75).

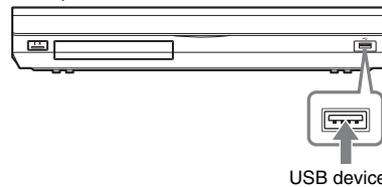
1 Connect the USB device to the (USB) port on the unit.

Refer to the operating instructions of the USB device before connecting.

Rear panel



Front panel



2 Press HOME.

The home menu appears on the TV screen.

3 Press ←/→ to select [Video], [Music], or [Photo].

4 Press ↑/↓ to select [USB device (front)] or [USB device (rear)], then press +.

Note

- Do not remove the USB device during operation. To avoid data corruption or damage to the USB device, turn the system off when connecting or removing the USB device.

Enjoying an iPod/iPhone

You can enjoy the music/video/photo and charge the battery of an iPod/iPhone via the system.

Compatible iPod/iPhone models

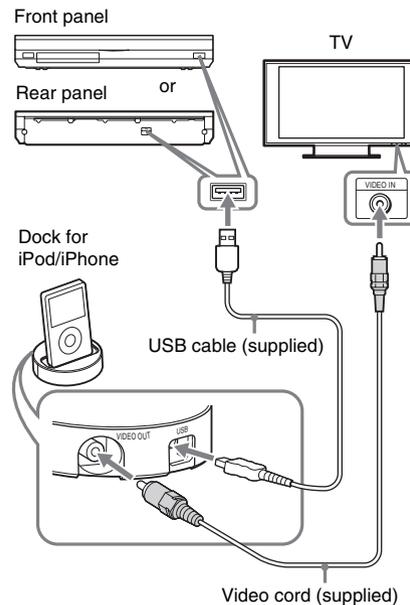
The compatible iPod/iPhone models are as follows. Update your iPod/iPhone with the latest software before using with the system.

Made for iPod classic, iPod 5th generation (video), iPod nano 6th generation, iPod nano 5th generation (video camera), iPod nano 4th generation (video), iPod nano 3rd generation (video), iPod nano 2nd generation (aluminum), iPod nano 1st generation, iPod touch 4th generation, iPod touch 3rd generation, iPod touch 2nd generation, iPod touch 1st generation, iPhone 4, iPhone 3GS, iPhone 3G, iPhone

To enjoy an iPod/iPhone via the system

- 1 **Connect the Dock for iPod/iPhone (supplied) to the front or rear (USB) port on the unit, then place the iPod/iPhone onto the Dock for iPod/iPhone.**

When you play a video/photo file, connect the video out jack of the Dock for iPod/iPhone to the video input jack of your TV with a video cord (supplied) before placing the iPod/iPhone onto the Dock for iPod/iPhone.



- 2 **Press HOME.**
The home menu appears on the TV screen.
- 3 **Press ←/→ to select [Video], [Music], or [Photo].**
- 4 **Press ↑/↓ to select [iPod (front)] or [iPod (rear)], then press +.**
 - **If you selected [Video] or [Music] in Step 3**
The video/music files are listed on the TV screen. Go to the next Step.
 - **If you selected [Photo] in Step 3**
[Please change the TV input to the video input] appears on the TV screen. Switch the input selector on your TV so that the signal from the iPod/iPhone appears on your TV screen. Then, start the slideshow by operating the iPod/iPhone directly.
- 5 **Press ←/↑/↓/→ and + to select the file that you want to play.**

The sound from the iPod/iPhone is played on the system.

When you play a video file, switch the input selector on your TV so that the signal from the iPod/iPhone appears on your TV screen.

You can operate the iPod/iPhone using the buttons on the remote.

For operation details of the iPod/iPhone, also refer to the operating instructions of the iPod/iPhone.

Note

- To change a system setting, such as the surround setting, while viewing images from your iPod/iPhone on your TV, select the input on your TV for this system before operating the system.

To operate the iPod/iPhone using the remote

You can operate the iPod/iPhone using the buttons on the remote. The following table shows an example of buttons that can be used. (Depending on the iPod/iPhone model, the operation may be different.)

For [Video]/[Music]

Press	Operation
	Starts play.
	Pauses play.
	Stops play.
or	Fast reverses or forwards.
or	Goes to the previous/next file or chapter (if any).

For [Photo]

Press	Operation
	Starts/pauses play. When you press and hold either of these buttons for several seconds, the connected iPod/iPhone enters sleep mode.
	Pauses play.
or	Fast reverses or forwards.
or	Goes to the previous/next file. When you press and hold either of these buttons, the connected iPod/iPhone fast reverses or fast forwards.
DISPLAY	Turns the backlight on (or extends it for 30 seconds).
OPTIONS,	Returns to previous display/folder hierarchy.
	Selects the previous/next item.
	Enters the selected item.

Note

- The iPod/iPhone is charged when connected to the system while the system is turned on.
- You cannot transfer songs onto the iPod/iPhone from this system.
- Sony cannot accept responsibility in the event that data recorded to iPod/iPhone is lost or damaged when using an iPod/iPhone connected to this unit.
- This product has been designed specifically to work with iPod/iPhone and has been certified to meet Apple performance standards.
- Do not remove the iPod/iPhone during operation. To avoid data corruption or damage to the iPod/iPhone, turn the system off when connecting or removing the iPod/iPhone.
- The system only recognizes iPods/iPhones that have previously been connected to the system.
- The System Audio Control function does not work while playing video/photo files via the iPod/iPhone.
- When you connect an iPod that is not compatible with the video output function and select [iPod (front)] or [iPod (rear)] in [Video] or [Photo], an alert message appears on the TV screen.
- The system can recognize up to 3,000 files (including folders).

Playback

Playing via a Network

Streaming BRAVIA Internet Video

BRAVIA Internet Video serves as a gateway delivering selected Internet content and a variety of on-demand entertainment straight to your unit.

Tip

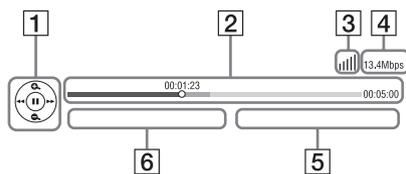
- For customers in the U.S. and Canada: Some Internet content requires registration via a PC before it can be played. For further details, visit the following website:
<http://www.sony.com/bluraysupport/>

- 1 Prepare for BRAVIA Internet Video.**
Connect the system to a network (page 27).
- 2 Press \leftarrow/\rightarrow to select $\left[\text{Video} \right]$, $\left[\text{Music} \right]$, or $\left[\text{Photo} \right]$.**
- 3 Press \uparrow/\downarrow to select an Internet content provider icon, then press \oplus .**

If the Internet content list has not been retrieved, it will be represented by an unacquired icon or a new icon.

To use the control panel

The control panel appears when the video file starts playing. The displayed items may differ depending on Internet content providers. To display again, press DISPLAY.



- 1 Control display**
Press $\leftarrow/\uparrow/\downarrow/\rightarrow$ or \oplus for playback operations.
- 2 Playing status bar**
Status bar, cursor indicating the current position, playing time, duration of the video file

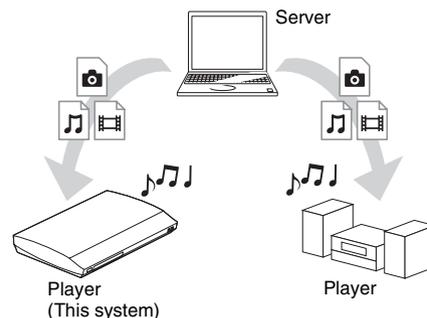
- 3 Network condition indicator**
 Indicates signal strength for a wireless connection.
 Indicates a wired connection.
- 4 Network transmission speed**
- 5 The next video file name**
- 6 The currently selected video file name**

Playing files on a Home Network (DLNA)

You can play video/music/photo files on other DLNA-certified components by connecting them to your home network.

This unit can be used as a player and renderer.

- Server: Stores and sends files
- Player: Receives and plays files from the server
- Renderer: Receives and plays files from the server, and can be operated by another component (controller)
- Controller: Operates the renderer component

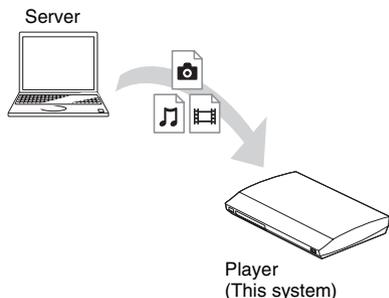


Prepare for using the DLNA function.

- Connect the system to a network (page 27).
- Prepare other DLNA-certified components. For details, see the operating instructions of the components.

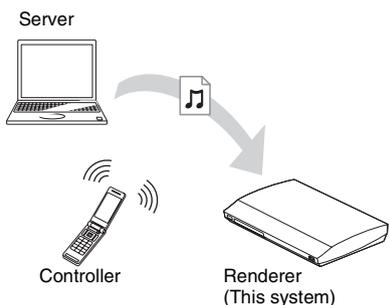
To play files stored on a DLNA server via the system (DLNA Player)

Select the DLNA server icon from [Video], [Music], or [Photo] in the home menu, then select the file that you want to play.



To play remote files by operating the system (Renderer) via a DLNA controller

You can operate the system with a DLNA-certified controller, such as iPhone, when playing files stored on a DLNA server.



Control this system using a DLNA controller. For details of operation, see the operating instructions of the DLNA controller.

Note

- Do not operate the system with the supplied remote and a DLNA controller at the same time.
- For details about the DLNA controller, refer to the operating instructions of the DLNA controller.

Tip

- The system is compatible with the "Play To" function of Windows Media® Player 12 that comes standard with Windows 7.

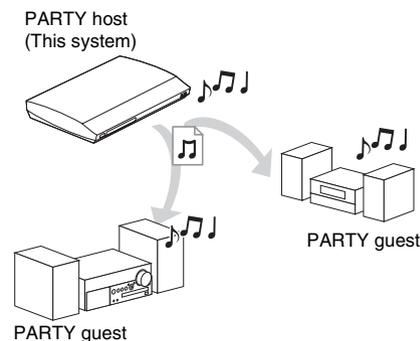
Playing the same music in different rooms (PARTY STREAMING)

You can play the same music at the same time across all Sony components which are compatible with the PARTY STREAMING function and connected to your home network.

There are two kinds of PARTY STREAMING-compatible components.

- PARTY host: Sends and plays files
- PARTY guest: Receives and plays files

This unit can be used as a PARTY host or PARTY guest.



Prepare for PARTY STREAMING.

- Connect the system to a network (page 27).
- Connect components which are compatible with the PARTY STREAMING function.

To use the system as PARTY host

Select a track in [Music], then select [Start Party] from the options menu to start a PARTY. To close the PARTY, press HOME.

To use the system as PARTY guest

Select [Party] in [Music], then select the PARTY host device icon.

To leave the PARTY, press OPTIONS, then select [Leave Party].

To close the PARTY, press OPTIONS, then select [Close Party].

Playback

Note

- The sale and product lineup of products that are compatible with the PARTY STREAMING function differ depending on the area.

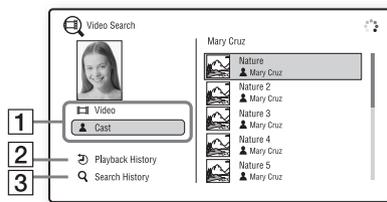
Searching for video/music information

You can acquire content information using Gracenote technology and search for related information.

- 1 Connect the system to a network (page 27).**
- 2 Insert a disc or connect a USB device with content about which you want to search.**

You can perform a video search from a BD-ROM or DVD-ROM, and a music search from a CD-DA (music CD) or USB device.

- 3 Press \leftarrow/\rightarrow to select $\left[\text{Video} \right]$ [Video] or $\left[\text{Music} \right]$ [Music].**
- 4 Press \uparrow/\downarrow to select $\left[\text{Video Search} \right]$ [Video Search] or $\left[\text{Music Search} \right]$ [Music Search].**
The content information is displayed.



- 1 Content details**
Displays a list of related information, such as title, cast, track, or artist.
- 2 [Playback History]**
Displays a list of previously played BD-ROM/DVD-ROM/CD-DA (music CD) titles. Select a title to acquire content information.
- 3 [Search History]**
Displays a list of previous searches performed via the [Video Search] or [Music Search] function.

To search for further related information

Select an item in the lists, and select [Information Search] or [Internet Video Search].

Available Options

Various settings and playback operations are available by pressing OPTIONS. The available items differ depending on the situation.

Common options

Items	Details
[Surround Setting]	Changes the surround setting (page 31).
[Repeat Setting]	Sets repeat playback.
[3D Menu]	[3D Depth Adjustment]: Adjusts the depth of 3D images.
[Favorites List]	Displays the Favorites List.
[Play/Stop]	Starts or stops playback.
[Play from beginning]	Plays the item from the beginning.
[Add to Favorites]	Adds an Internet content item to the Favorites List.
[Remove from Favorites]	Erases an Internet content item from the Favorites List.
[Start Party]	Starts a party with the selected source. This item may not appear depending on the source.
[Leave Party]	Leaves from a party which the system is participating in. The PARTY STREAMING function continues among other participating devices.
[Close Party]	Closes a party which the system is participating in. The PARTY STREAMING function ends for all other participating devices.

[Video] only

Items	Details
[A/V SYNC]	Adjusts the gap between picture and sound. For details, see "Adjusting the delay between the picture and sound" (page 42).
[3D Output Setting]	Sets whether or not to output 3D video automatically. Note • 3D video from the HDMI (IN 1) or HDMI (IN 2) jack is output regardless of this setting.
[Video Settings]	<ul style="list-style-type: none"> • [Picture Quality Mode]: Selects the picture settings for different lighting environments. • [FNR]: Reduces the random noise appearing in the picture. • [BNR]: Reduces the mosaic-like block noise in the picture. • [MNR]: Reduces minor noise around the picture outlines (mosquito noise).
[Pause]	Pauses playback.
[Top Menu]	Displays the BD's or DVD's Top Menu.
[Menu/Popup Menu]	Displays the BD-ROM's Pop-up Menu or DVD's menu.
[Title Search]	Searches for a title on BD-ROMs/DVD VIDEOS and starts playback from the beginning.
[Chapter Search]	Searches for a chapter and starts playback from the beginning.
[Angle]	Switches to other viewing angles when multi-angles are recorded on BD-ROMs/DVD VIDEOS.
[IP Content Noise Reduction]	Adjusts the video quality for Internet content.
[Video Search]	Displays information on the BD-ROM/DVD-ROM based on Gracenote technology.

[Music] only

Items	Details
[Add Slideshow BGM]	Registers music files in the USB memory as slideshow background music (BGM).
[Music Search]	Displays information on the audio CD (CD-DA) based on Gracenote technology.
[Shuffle Setting] (iPod/iPhone only)	Sets shuffle playback.

[Photo] only

Items	Details
[Slideshow]	Starts a slideshow.
[Slideshow Speed]	Changes the slideshow speed.
[Slideshow Effect]	Sets the effect when playing a slideshow.
[Slideshow BGM]	<ul style="list-style-type: none"> • [Off]: Turns off the function. • [My Music from USB]: Sets the music files registered in [Add Slideshow BGM]. • [Play from Music CD]: Sets the tracks on CD-DAs (music CDs).
[Rotate Left]	Rotates the photo counterclockwise by 90 degrees.
[Rotate Right]	Rotates the photo clockwise by 90 degrees.
[View Image]	Displays the selected picture.

Playback

Adjusting the delay between the picture and sound

(A/V SYNC)

When the sound does not match the pictures on the TV screen, you can adjust the delay between the picture and sound.

The setting method differs depending on the function.

Note

- Depending on the input stream, A/V SYNC may not be effective.

When playing via the “BD/DVD” function

1 Press **OPTIONS**.

The option menu appears on the TV screen.

2 Press **↑/↓** to select **[A/V SYNC]**, then press **+**.

3 Press **←/→** to adjust the delay between the picture and sound.

You can adjust from 0 ms to 300 ms in 25 ms increments.

4 Press **+**.

The setting is made.

When playing via the “HDMI1,” “HDMI2,” “TV,” “SAT/CABLE,” or “AUDIO” function

1 Press **OPTIONS**.

The option menu appears in the front panel display.

2 Press **↑/↓** repeatedly until “A/V SYNC” appears in the front panel display, then press **+** or **→**.

3 Press **↑/↓** to adjust the delay between the picture and sound.

You can adjust from 0 ms to 300 ms in 25 ms increments.

4 Press **+**.

The setting is made.

5 Press **OPTIONS**.

The option menu in the front panel display turns off.