

# SONY®

## Sound Bar

### Operating Instructions

## 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 appliance with newspapers, tablecloths, curtains, etc.

Do not expose the appliance to naked flame sources (for example, lighted candles).

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

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.

Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.

Indoor use only.

### Recommended cables

Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals.

## For the customers in Europe

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

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.



Hereby, Sony Corp., declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For details, please access the following URL:

<http://www.compliance.sony.de/>

This product is intended to be used in the following countries.

AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IS, IE, IT, LV, LI, LT, LU, MT, NL, NO, PL, PT, RO, SK, SI, ES, SE, CH, GB, AL, BA, MK, MD, RS, ME, TR, Kosovo

5150-5350 MHz band is restricted to indoor operations only.

This equipment has been tested and found to comply with the limits set out in the EMC regulation using a connection cable shorter than 3 meters.



**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.

Europe Only



**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.

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## **Troubleshooting**

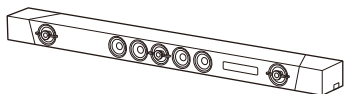
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## What's in the Box

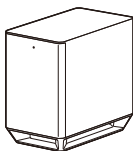
- Bar Speaker (1)



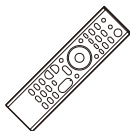
- Grille frame (1)



- Subwoofer (1)



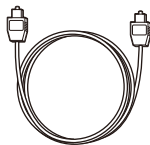
- Remote control (1)



- R03 (size AAA) battery (2)



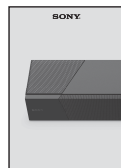
- Optical digital cable (1)



- WALL MOUNT TEMPLATE (1)



- Startup Guide



- Operating Instructions

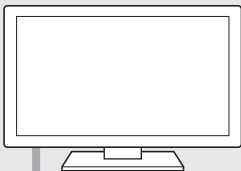




# What You Can Do with the System

**"Listening to the TV" (page 26)**

**"Listening to the Connected AV Device" (page 26)**



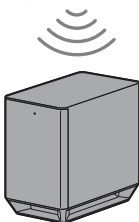
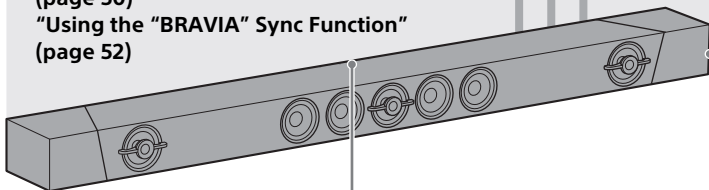
Blu-ray Disc™ player, cable box, or satellite box, etc.



**Connecting the TV and other devices**  
(refer to "Startup Guide" (separate document) or see "Connecting a TV or Portable Audio Device via the ANALOG IN Jack" (page 19).)

**"Using the Control for HDMI Function"**  
(page 50)

**"Using the "BRAVIA" Sync Function"**  
(page 52)



**"Performing the Wireless Connection of the Subwoofer (SECURE LINK)" (page 45)**



**"Using Spotify" (page 41)\***

**"Using the MUSIC SERVICE Button"**  
(page 42)

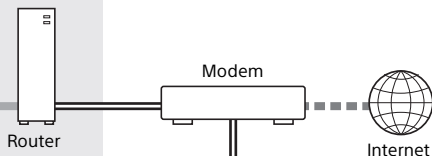
- \* This service may not be available in some countries/regions.
- \* To play on the system, you need the Spotify Premium account.



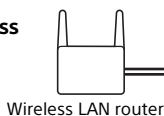
**"Listening to Music on a USB Device"**  
(page 27)



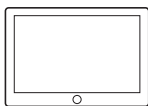
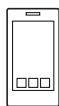
**"Connecting to a Wired Network" (page 20)**



**"Connecting to a Wireless Network" (page 21)**



**"Listening to Music on your PC via a Home Network" (page 38)**

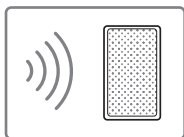


**"Listening to Music from a Mobile Device" (page 33)**

**"Listening to Music on the Mobile Device with Sony | Music Center" (page 39)**



**"Listening to Sound of the Connected TV or Device from Headphones" (page 36)**



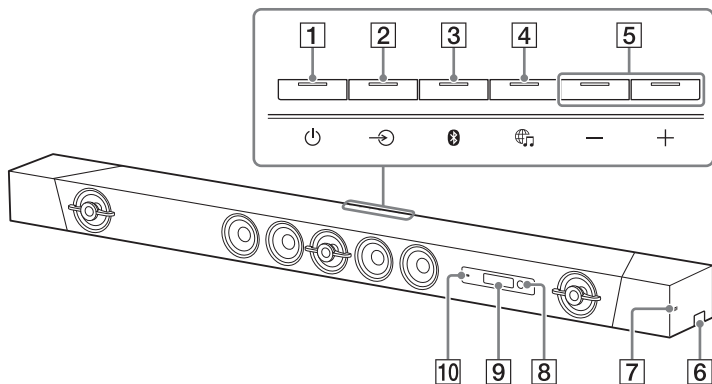
**"Listening to the Same Music in Different Rooms (Wireless Multi Room)" (page 43)**

# Guide to Parts and Controls

Details are omitted from the illustrations.

## Bar Speaker (Main Unit)

### Front



**1** (power) button

Turns on the system or sets it to standby mode.

**2** (input select) button  
(page 15, 26)

**3** **BLUETOOTH PAIRING** button  
(page 33)

**4** (MUSIC SERVICE) button  
(page 42)

**5** **+/- (volume) buttons**

**6** (USB) port (page 27)

**7** **N-Mark (page 34)**

When using the NFC function, touch your NFC-compatible device to the mark.

**8** **Remote control sensor**

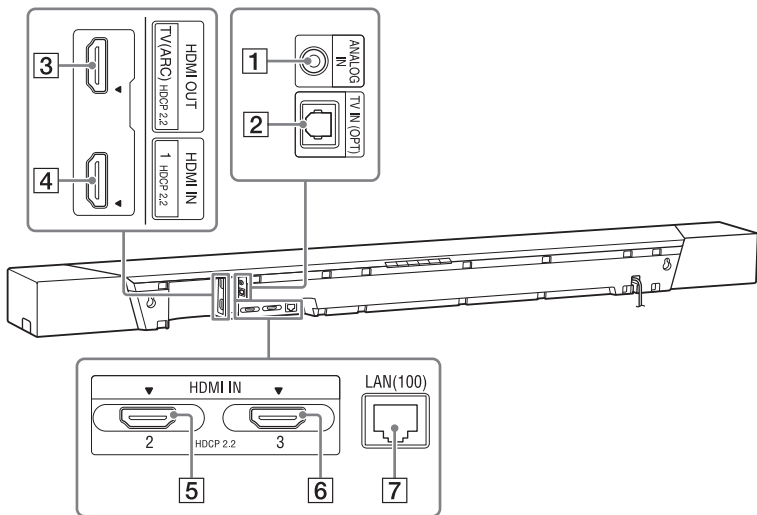
Point the remote control at the remote control sensor to operate the system.

**9** **Front panel display**

**10** **BLUETOOTH indicator**

- Flashes quickly in blue: During pairing standby status
- Flashes in blue: BLUETOOTH connection is being attempted
- Lights in blue: BLUETOOTH connection has been established

## Rear



### **1 ANALOG IN jack**

### **2 TV IN (OPT) jack**

### **3 HDMI OUT (TV (ARC)) jack**

For the specifications and note on connections, see “Supported HDMI Video Formats” (page 75).

### **4 HDMI IN 1 jack**

For the specifications and note on connections, see “Supported HDMI Video Formats” (page 75).

### **5 HDMI IN 2 jack**

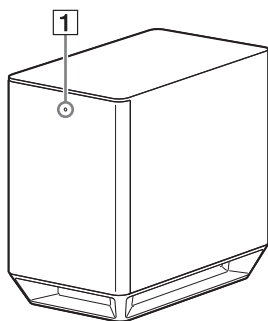
For the specifications and note on connections, see “Supported HDMI Video Formats” (page 75).

### **6 HDMI IN 3 jack**

For the specifications and note on connections, see “Supported HDMI Video Formats” (page 75).

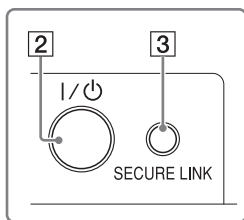
### **7 LAN(100) port**

## Subwoofer



### 1 On/standby indicator

- Lights in red: The subwoofer is not connected to the system
- Lights in green: The subwoofer is connected to the system
- Lights in orange: The subwoofer is connected to the system with the Secure Link function
- Flashes in green: The subwoofer is attempting to connect to the system
- Flashes in orange: The subwoofer is attempting to connect to the system with the Secure Link function
- Turns off: The subwoofer is in standby mode



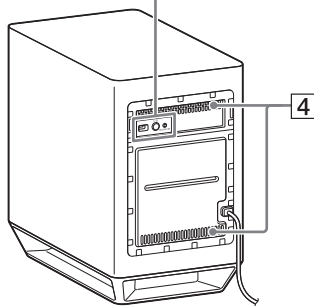
### 2 I/⏻ (on/standby) button

Turns on the subwoofer or sets it to standby mode.

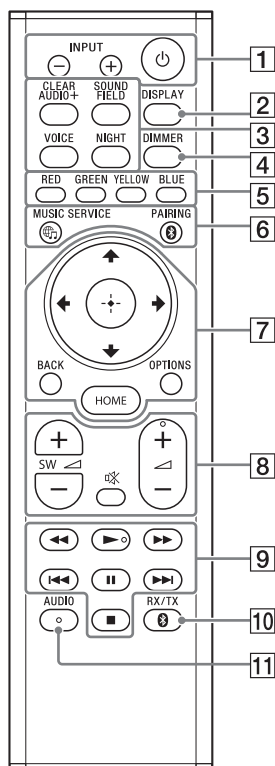
### 3 SECURE LINK button (page 45)

### 4 Ventilation holes

For safety, do not block the ventilation holes.



## Remote Control



### 1 INPUT +/- (page 15, 26)



Turns on the system or sets it to standby mode.

### 2 DISPLAY

Displays playback information on the TV screen.

Playback information is not displayed for TV input.

### 3 CLEAR AUDIO+ (page 29)

SOUND FIELD (page 29)

VOICE (page 31)

NIGHT (page 30)

### 4 DIMMER (page 48)

### 5 Color buttons

Shortcut keys for selecting items on some menus.

### 6 MUSIC SERVICE (page 42)

BLUETOOTH PAIRING (page 33)

### 7 OPTIONS (page 32, 60)

BACK (page 15)

▲/▼/◀/▶ (page 15)

⊕ (enter) (page 15)

HOME (page 15)

### 8 MUTE (muting)

Turns off the sound temporarily.

▲ (volume) +\*/-

Adjusts the volume.

SW ▲ (subwoofer volume) +/-

Adjusts the volume of the subwoofer.

## **9 Playback operation buttons**

### **◀◀/▶▶ (rewind/fast forward)**

Searches backward or forward.

### **◀◀/▶▶ (previous/next)**

Selects the previous/next chapter, track, or file.

### **▶ (play)\***

Starts or re-starts playback (resume play).

### **|| (pause)**

Pauses or re-starts playback.

### **■ (stop)**


Stops playback.

## **10 BLUETOOTH RX/TX (BLUETOOTH receiver/transmitter) (page 37)**

## **11 AUDIO\* (page 47)**

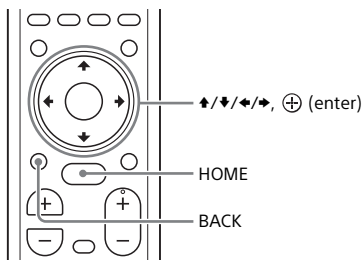
\* The AUDIO, ▶, and ◀ + buttons have a tactile dot. Use it as a guide during operation.




## About the Home Menu

You can display the home menu on the TV screen by connecting the system and TV with the HDMI cable (not supplied). From the home menu, you can set the various settings by selecting  [Setup] or select the input or service that you want to watch from the input list. The home menu is displayed in the language that is selected in [Easy Setup]. (The following screen is an example when selecting English.)



## Using the Home Menu



- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Press  to select  [Setup] or an item on the input list, then press .**  
The selected input or setup display appears on the TV screen.  
To return to the previous screen, press BACK.

## Input list

Input name	Explanation
[TV]	Outputs the TV sound. (page 26)
[HDMI1]	Outputs the sound of device that is connected to the HDMI IN 1 jack. (page 26)
[HDMI2]	Outputs the sound of device that is connected to the HDMI IN 2 jack. (page 26)
[HDMI3]	Outputs the sound of device that is connected to the HDMI IN 3 jack. (page 26)
[Bluetooth Audio]	Outputs the sound of device that is connected with the BLUETOOTH function. (page 33)
[Analog]	Outputs the sound of device that is connected to the ANALOG IN jack. (page 26)
[USB]	Outputs music files stored on a connected USB device. (page 27)
[Home Network]	Outputs music files on the device that is connected via the network. (page 38)
[Music Service List]	Displays the operation method for music services. (page 42)



### [Setup]

See “Using the Setup Display” (page 53).

#### Tip

You can also select the input by pressing INPUT +/- repeatedly.

## About the Steps Description

In these Operating Instructions, the operations are described as steps that are operated on the home menu displayed on the TV screen by using the remote control while the system and TV are connected with the HDMI cable (not supplied).

The operating steps that select items on the TV screen by using /// and are simplified in the following way.

#### Example: Select [Setup] from the home menu.

The operation that selects an item by pressing /// and is expressed as “select.”

#### Example: Select [Network Settings] - [Internet Settings] - [Wired Setup] on the home menu.

When repeating the operation that selects an item by pressing /// and , the selected items are linked with “-.”

#### Tips

- You can use the buttons on the main unit if they have the same or similar names as those on the remote control.
- Characters in brackets [ ] appear on the TV screen. Characters in quotes “ ” appear in the front panel display.



## Basic Setup

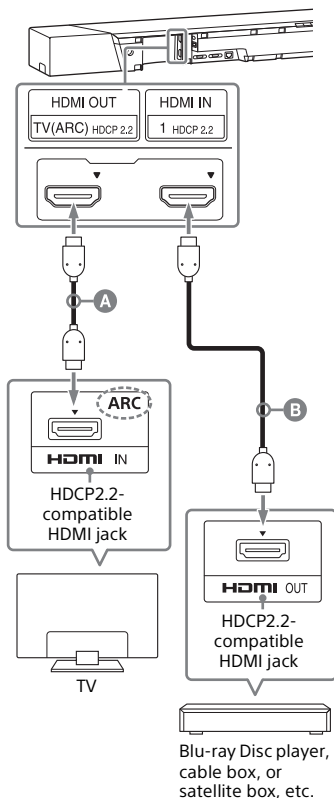
Refer to Startup Guide (separate document).

## Connecting a 4K TV and 4K Devices

All HDMI jacks on the system support 4K video format and HDCP2.2 (High-bandwidth Digital Content Protection System Revision 2.2).

To watch 4K video content, connect the 4K TV and 4K devices to the system via an HDCP2.2-compatible HDMI jack on each device.

You can only view 4K video content through the HDCP2.2-compatible HDMI jack connection.



**A** HDMI cable (not supplied)

**B** HDMI cable (not supplied)

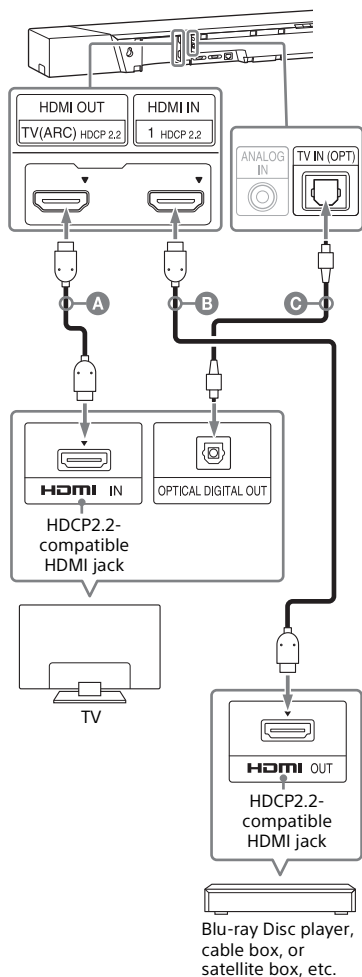
Use an HDMI cable which supports the 4K video format that you want to watch. For details, see "Supported HDMI Video Formats" (page 75).

- 1 Check which HDMI IN jack on your TV is compatible with HDCP2.2.**  
Refer to the operating instructions of the TV.
- 2 Connect the HDCP2.2-compatible HDMI IN jack on the TV and HDMI OUT jack on the main unit with the HDMI cable (not supplied).**  
TV connection is completed.
- 3 Connect the HDCP2.2-compatible HDMI OUT jack of the 4K device and HDMI IN jack of the main unit with the HDMI cable (not supplied).**  
Refer to the operating instructions of the 4K device to check that the HDMI OUT jack of the 4K device is compatible with HDCP2.2.  
4K device connection is completed.

### When an HDCP2.2-Compatible HDMI Jack on the TV is not Labeled with "ARC"

If your TV's HDCP2.2-compatible HDMI IN jack is not compatible with ARC (Audio Return Channel), the TV sound is not output from the system.

In this case, connect the optical output jack of the TV and the TV IN (OPT) jack on the main unit with the optical digital cable (supplied).



- A** HDMI cable (not supplied)
- B** HDMI cable (not supplied)  
Use an HDMI cable which supports the 4K video format that you want to watch. For details, see "Supported HDMI Video Formats" (page 75).
- C** Optical digital cable (supplied)

## Setting the HDMI Signal Format to Watch 4K Video Content

To watch 4K video content, select the appropriate setting for the connected 4K TV and 4K device.

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [System Settings] - [HDMI Settings] - [HDMI Signal Format].

### 4 Select the setting you want.

- [Standard format] (default setting): Select when the connected TV and devices support standard bandwidth video formats.
- [Enhanced format]: Select when both the connected TV and devices support high bandwidth video formats such as 4K 60p 4:4:4 etc.

For the relation of the [HDMI Signal Format] setting options, supported video format signals, and HDMI cables to be used, see "Supported HDMI Video Formats" (page 75).

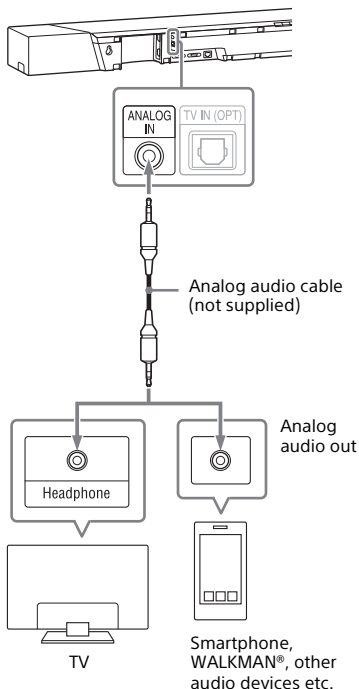
#### Notes

- Depending on the TV, the TV setting for HDMI output may be required. Refer to the operating instructions of the TV.
- When the picture is not displayed after [HDMI Signal Format] is set to [Enhanced format], set it to [Standard format].

## Connecting a TV or Portable Audio Device via the ANALOG IN Jack

To connect following devices to the system, connect them via the ANALOG IN jack on the system.

- TV that does not have an HDMI jack and optical digital output jack
- Portable audio device such as a smartphone, WALKMAN®



#### Note

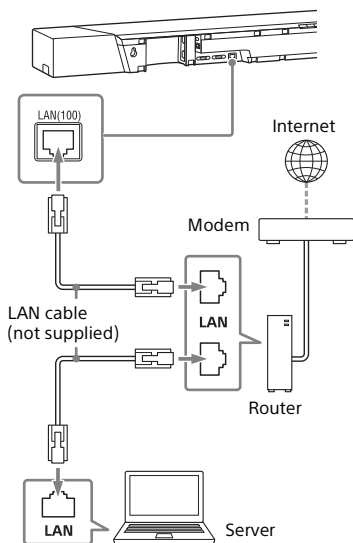
If the TV's headphone jack also serves as an audio output jack, check the audio output settings of the TV. For details, refer to the operating instructions of the TV.

## Connecting to a Wired Network

Prepare the network by connecting the system and PC to your home network with a LAN cable.

### Connecting to a PC or Router with a LAN Cable

The following illustration is the example for connection of the system and PC to your home network.



#### Note

The server needs to be connected to the same network as that of the system.

#### Tip

We recommend that you use a shielded straight interface cable (not supplied).

## Connecting by Obtaining the Network Information Automatically




- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select [Network Settings] - [Internet Settings] - [Wired Setup].**
- 4 Select [Auto].**  
The system starts network settings and the network setting status appears.  
Press  $\blacktriangle/\blacktriangledown$  to browse information, and then press  $\blacktriangleright$ .
- 5 Select [Save & Connect].**  
The system starts connecting to the network. For details, refer to the messages that appear on the TV screen.

## Connecting by Using a Fixed IP Address

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select [Network Settings] - [Internet Settings] - [Wired Setup].**
- 4 Select [Manual].**

## 5 Perform the setting by following the on-screen instructions.

The system starts network settings and the network setting status appears.

Press / to browse information, and then press .

## 6 Select [Save & Connect].

The system starts connecting to the network. For details, refer to the messages that appear on the TV screen.

## Connecting to a Wireless Network

Prepare the network by connecting the system and PC to your wireless LAN router.

### Note

The server needs to be connected to the same network as that of the system.

## Connecting with the WPS Button

When your wireless LAN router (access point) is Wi-Fi Protected Setup (WPS)-compatible, you can easily set the network settings with the WPS button.

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [Network Settings] - [Internet Settings] - [Wireless Setup] - [Wi-Fi Protected Setup™ (WPS)].

### 4 Select [Start].

### 5 Press the WPS button on the access point.

The system starts connecting to the network.

## Connecting by Selecting the Network Name (SSID)

If your wireless LAN router (access point) is not compatible with Wi-Fi Protected Setup (WPS), check the following information in advance.

– The network name (SSID)\*

– The security key (password)\*\*

\* SSID (Service Set Identifier) is a name that identifies a particular access point.

\*\*This information should be available from a label on your wireless LAN router/ access point, from the operating instructions, from the person who set up your wireless network, or from the information provided by your Internet service provider.

**1 Press HOME.**  
The home menu appears on the TV screen.

**2 Select  [Setup] from the home menu.**

The setup display appears on the TV screen.

**3 Select [Network Settings] - [Internet Settings] - [Wireless Setup].**

The list of the network name appears on the TV screen.

**4 Select the desired network name (SSID).**

**5 Enter the security key (or password) using the software keyboard, and then select [Enter].**

The system starts connecting to the network.

## Connecting by Using a Fixed IP Address

Select [New connection registration] - [Manual registration] in step 4 of "Connecting by Selecting the Network Name (SSID)" and follow the on-screen instructions.

## Connecting by Using a PIN Code

Select [New connection registration] in step 4 of "Connecting by Selecting the Network Name (SSID)" and select [(WPS) PIN Method].

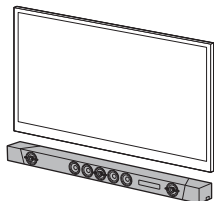
## Connecting by Sony | Music Center

Sony | Music Center can connect the system to the same wireless network as that of the mobile device. For details, follow the instruction of the app or refer to the following URL.

<http://www.sony.net/smcqa/>

## Mounting the Main Unit on a Wall

You can mount the main unit on a wall.



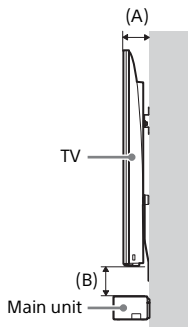
### Notes

- Prepare screws (not supplied) that are suitable for the wall material and strength. As a plasterboard wall is especially fragile, attach the screws securely in the wall beam. Install the speakers horizontally, hung by screws in studs in a continuous flat section of the wall.
- Have the installation done by a Sony dealer or licensed contractor and pay special attention to safety during the installation.
- Sony shall not be held responsible for accidents or damage caused by improper installation, insufficient wall strength, improper screw installation or natural disaster, etc.

## About the Installation Location of the Main Unit

The main unit outputs the surround sound toward the ceiling.

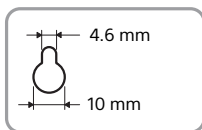
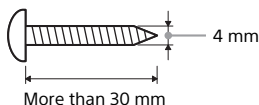
To ensure that the TV does not interfere with the output sound from the main unit, decide on the installation location of the main unit by referring to the following estimated values.



Depth of the mounted TV (A)	Dimensions to the main unit from the TV (B)
Less than 66 mm	50 mm or more
66 mm to less than 100 mm	100 mm or more
100 mm or more	200 mm or more

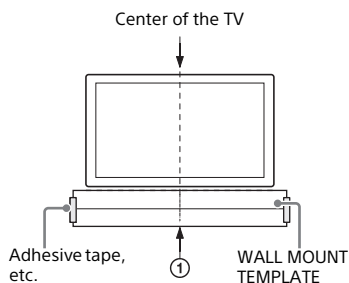
## Mounting the Main Unit on a Wall

- 1 Prepare screws (not supplied) that are suitable for the wall mount holes on the rear of the main unit.



Hole on the rear of the main unit

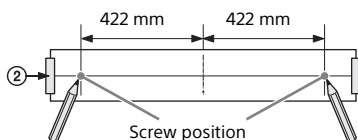
- 2 Stick WALL MOUNT TEMPLATE (supplied) on a wall.



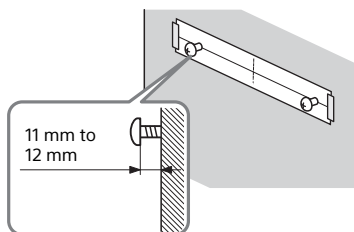
- 1 Align TV CENTER LINE (①) of WALL MOUNT TEMPLATE with the center line of your TV.
- 2 Decide on the height of WALL MOUNT TEMPLATE by referring to "About the Installation Location of the Main Unit" (page 23), then stick the WALL MOUNT TEMPLATE on a wall by using a commercially available adhesive tape, etc.

- 3 Mark the screw positions described as below on SCREW LINE (②) of WALL MOUNT TEMPLATE.

Measure the distance described below with a scale, then mark using a pencil, etc.



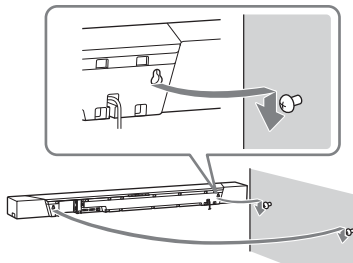
- 4 Fasten the screws into the mark.



- 5 Remove WALL MOUNT TEMPLATE.

- 6 Hang the main unit on the screws.

Align the holes of the rear of the main unit with the screws, then hang the main unit on the two screws.





**Note**

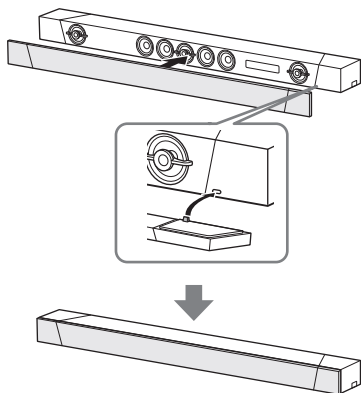
When sticking WALL MOUNT TEMPLATE, smooths it out fully.

## Attaching the Grille Frame

You can protect the speakers by attaching the supplied grille frame. We recommend that you use the main unit without attaching the grille frame if you will be listening to High-Resolution Audio.

### Attach the grille frame parallel to the front panel.

Insert the projections of the grille frame into the hole on the main unit.

**Tip**

The grille frame is fixed by a magnet.

### Listening to the TV

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select [TV] on the home menu.**
- 3 Select the program using the TV's remote control.**  
The selected TV program appears on the TV screen and the TV sound is output from the system.
- 4 Adjust the volume.**
  - Adjust the volume by pressing  $\triangleleft$  +/- on the remote control.
  - Adjust the subwoofer volume by pressing SW  $\triangleleft$  +/- on the remote control (page 31).

#### Note

Set the speakers setting of the TV (BRAVIA) to Audio System. Refer to the operating instructions of your TV regarding how to set the TV.

#### Tip

You can select [TV] by pressing INPUT +/- on the remote control.

### Listening to the Connected AV Device

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select the input that the desired device is connected on the home menu.**  
The image of the selected device appears on the TV screen and the sound is output from the system. If you select [Analog], the [Analog] screen is displayed on the TV screen.
- 3 Adjust the volume.**
  - Adjust the volume by pressing  $\triangleleft$  +/- on the remote control.
  - Adjust the subwoofer volume by pressing SW  $\triangleleft$  +/- on the remote control (page 31).

#### Tip

You can select the input by pressing INPUT +/- on the remote control.

### Changing the Input Name Displayed on the Home Menu

You can change the input name of [HDMI1], [HDMI2], or [HDMI3] that is displayed on the home menu.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Put the cursor on [HDMI1], [HDMI2], or [HDMI3] on the home menu, then press OPTIONS.**  
The options menu appears on the TV screen.
- 3 Select [Input Label Setting].**

## 4 Select the input name.

You can select the input name from the following.

- [BD Player]
- [DVD Player]
- [Cable Box]
- [Satellite]
- [GAME]
- [PC]

## 5 Press $\oplus$ to complete.

### Tip

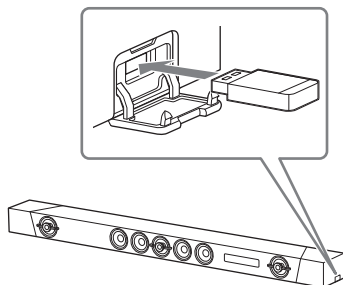
When you change the input name, the displayed icon is also changed automatically.

# Listening to Music on a USB Device

You can play music files stored on a connected USB device.

For playable types of files, see "Playable Types of Files" (page 73).

## 1 Connect the USB device to the $\text{USB}$ (USB) port.



## 2 Press HOME.

The home menu appears on the TV screen.

## 3 Select [USB (Connected)] from the home menu.

## 4 Select the folder on which songs are stored - song.

The selected song is played and sound is output from the system.

## 5 Adjust the volume.

- Adjust the volume by pressing  $\triangleleft$  +/- on the remote control.
- Adjust the subwoofer volume by pressing SW  $\triangleleft$  +/- on the remote control (page 31).

**Note**

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

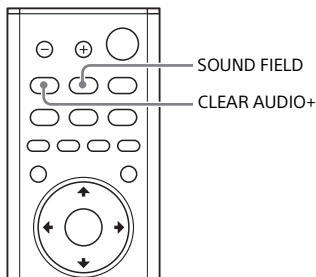
**Tip**

You can perform various operations from the options menu (page 60).

## Selecting the Sound Effect

# Setting the Sound Effect that is Tailored to Sound Sources (SOUND FIELD)

You can easily enjoy pre-programmed sound effects that are tailored to different kinds of sound sources.



- 1 Press SOUND FIELD.**  
The sound field menu appears on the TV screen.
- 2 Press the button repeatedly to select the desired sound field.**

Sound field	Explanation
[ClearAudio+]	The appropriate sound setting is automatically selected for the sound source.
[3D Surround]	Enjoy movies, music, and more with sound that flows all around the room, surrounding you from all directions.

Sound field	Explanation
[Movie]	You feel immersed by the sound that travels behind you and surrounds your entire body. This mode is suitable for watching movies.
[Music]	Vividness and glossiness of the sound are expressed in detail. This mode is suitable for enjoying music in a way that moves you.
[Game Studio]	You can immerse yourself in your game by reproducing the feeling of movement and distance of objects, as well as clearly hearing the dialog.
[Sports]	You can experience an atmosphere as if you were watching an event in a stadium. However, narrations of commentators are reproduced vividly.
[Standard]	The sound of a TV program can be heard clearly. This mode is suitable for watching news because voices are clear.

### Notes

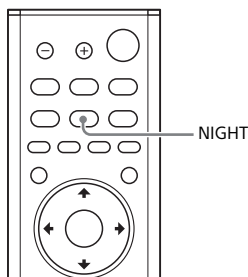
- When using the wireless multi room function or Chromecast built-in, or setting [Bluetooth Mode] to [Transmitter] (page 55), the sound field function is not available.
- The sound field menu does not appear on the TV screen for TV input.
- When you set [Sound Effect] to [Off], the sound field function is disabled.

### Tips

- You can select [ClearAudio+] by pressing CLEAR AUDIO+ on the remote control.
- You can select the sound field from the options menu (page 60).

## Enjoying Clear Sound with Low Volume at Midnight (NIGHT)

Sound is output at low volume with minimum loss of fidelity and clarity of dialogue.



### 1 Press NIGHT.

The night mode appears on the TV screen.

### 2 Press the button repeatedly to select the night mode.

Mode	Explanation
[On]	Activates the night mode function.
[Off]	Deactivates the night mode function.

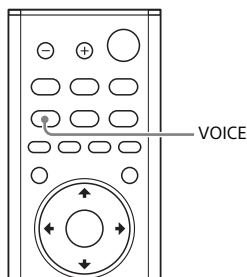
### Note

When you turn the system off, this setting is set to [Off] automatically.

### Tip

You can select [Night] from the options menu (page 60).

## Making Dialogues Clearer (VOICE)



### 1 Press VOICE.

The voice mode appears on the TV screen.

### 2 Press the button repeatedly to select the voice mode.

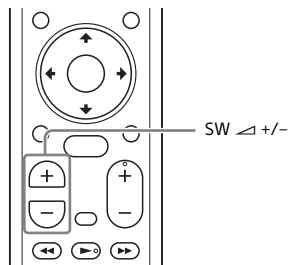
Mode	Explanation
[Up Off]	Standard
[Up 1]	Dialogue is easily heard by enhancing dialogue range.
[Up 2]	Dialogue range is enhanced, and dialogue sound may be easy to hear for the elderly.

### Tip

You can select [Voice] from the options menu (page 60).

## Adjusting the Volume of the Subwoofer

The subwoofer is designed for playback of bass or low frequency sound.



**Press SW (subwoofer volume)  $\triangle$  +/- to adjust the volume of the subwoofer.**

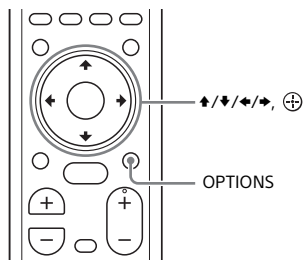
### Note

When the input source does not contain much bass sound, such as in TV programs, the bass sound from the subwoofer may be difficult to hear.

## Adjusting the Delay Between the Picture and Sound

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 input.



### When Watching Another Device

- 1 Press OPTIONS.**  
The options menu appears on the TV screen.
- 2 Select [A/V SYNC].**
- 3 Adjust the delay using <math>\leftarrow/\rightarrow</math>, then press +.**  
You can adjust from 0 msec to 300 msec in 25 msec increments.

### When Watching the TV

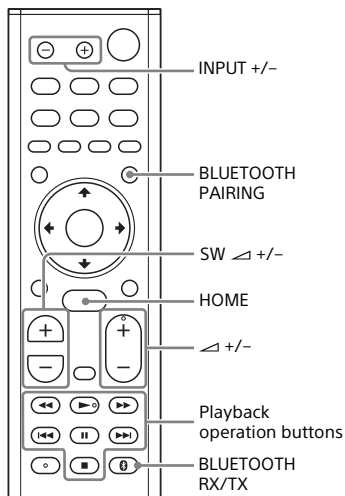
- 1 Press OPTIONS.**  
"SYNC" appears in the front panel display.
- 2 Press <math>\rightarrow</math> or +.**  
The adjusting time appears in the front panel display.
- 3 Adjust the delay using <math>\leftarrow/\rightarrow</math>, then press +.**  
You can adjust from 0 msec to 300 msec in 25 msec increments.
- 4 Press OPTIONS.**  
The options menu in the front panel display turns off.



## Listening to Music/Sound with the BLUETOOTH Function

### Listening to Music from a Mobile Device

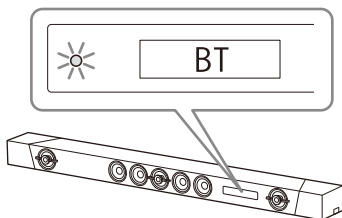
You can listen to music stored on a mobile device such as a smartphone or tablet via a wireless connection by connecting the system and the mobile device with the BLUETOOTH function. When connecting to the mobile device with the BLUETOOTH function, you can operate by simply using the supplied remote control without turning the TV on.



## Listening to Music by Pairing with a Mobile Device

### 1 Press BLUETOOTH PAIRING.

The system enters the pairing mode, "BT" appears in the front panel display, and the BLUETOOTH indicator flashes quickly.



### 2 Turn on the BLUETOOTH function, and then select "HT-ST5000" after searching for it on the mobile device.

If a Passkey is requested, enter "0000."

### 3 Make sure that the BLUETOOTH indicator on the main unit lights in blue.

A connection between the system and mobile device has been established.

### 4 Start audio playback with the music app on the connected mobile device.

Sound is output from the main unit.

### 5 Adjust the volume.

- Adjust the volume by pressing  $\triangle$  +/- on the remote control.
- Adjust the subwoofer volume by pressing SW  $\triangle$  +/- on the remote control (page 31).
- You can play or pause the content by using the playback operation buttons on the remote control.

## To check the connection status of the BLUETOOTH function

Status	BLUETOOTH indicator
During pairing standby status	Flashes quickly in blue
Connection is being attempted	Flashes in blue
Connection has been established	Lights in blue
Not connected	Off

### Tips

- Once the BLUETOOTH connection is established, an indication recommending which application to install will be displayed according to what device you have connected. Following the instructions displayed, an application called Sony | Music Center, which will enable you to operate this system, can be installed. See "Listening to Music on the Mobile Device with Sony | Music Center" (page 39) for details on Sony | Music Center.
- Perform pairing for the second and subsequent mobile devices.

## Listening to Music from the Paired Mobile Device

- 1 Turn the BLUETOOTH function of the mobile device to on.
- 2 Press INPUT +/- repeatedly to display "BT" in the front panel display.

The system automatically reconnects to the mobile device it was most recently connected to.
- 3 Make sure that the BLUETOOTH indicator lights in blue.

A connection between the system and mobile device has been established.

## 4 Start audio playback with the music app on the connected mobile device.

Sound is output from the main unit.

## 5 Adjust the volume.

- Adjust the volume by pressing  $\triangleleft$  +/- on the remote control.
- Adjust the subwoofer volume by pressing SW  $\triangleleft$  +/- on the remote control (page 31).
- You can play or pause the content by using the playback operation buttons on the remote control.

## To disconnect the mobile device

Perform any of the following items.

- Disable the BLUETOOTH function on the mobile device.
- Press BLUETOOTH PAIRING on the remote control.
- Turn off the system or mobile device.

### Note

If "BT" does not appear in the front panel display by pressing INPUT +/- in step 2 of "Listening to Music from the Paired Mobile Device," press BLUETOOTH RX/TX on the remote control once.

### Tip

When the connection is not established, select "HT-ST5000" on the mobile device.

## Connecting to a Mobile Device by One-Touch Function (NFC)

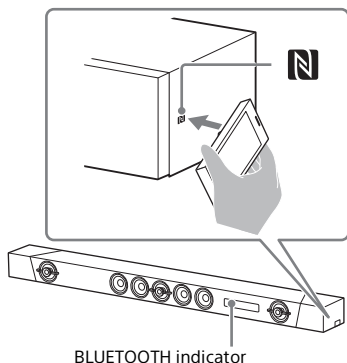
By holding an NFC-compatible mobile device such as a smartphone or tablet near the N mark on the main unit, the system is turned on automatically, then pairing and BLUETOOTH connection are performed automatically.

**Compatible devices**

Smartphones, tablets, and music players with the NFC function built-in (OS: Android™ 2.3.3 or later, excluding Android 3.x)

- 1 Turn on the NFC function of the mobile device.**
- 2 Touch the N mark on the main unit with the mobile device.**

Keep touching until the mobile device vibrates and message appears on the mobile device. Follow the on-screen instructions to complete pairing of the main unit and mobile device.



- 3 Make sure that the BLUETOOTH indicator lights in blue.**  
A connection between the system and mobile device has been established.
- 4 Start audio playback with the music app on the connected mobile device.**  
Sound is output from the system.

## 5 Adjust the volume.

- Adjust the volume by pressing  $\triangleleft$   $\pm$  on the remote control.
- Adjust the subwoofer volume by pressing SW  $\triangleleft$   $\pm$  on the remote control (page 31).
- You can play or pause the content by using the playback operation buttons on the remote control.

## To stop playback by One-touch function

Touch the N mark on the main unit with the mobile device again.

**Notes**

- Depending on your device, you may need to perform the following items on your mobile device in advance.
  - Turn on the NFC function.
  - Install the “NFC Easy Connect” application from Google Play™ and start the application. (The application may not be available in some countries/regions.) For details, refer to the operating instructions of your device.
- This feature does not work with BLUETOOTH-compatible headphones. To listen to sound using a BLUETOOTH-compatible headphones, see “Listening to Sound of the Connected TV or Device from Headphones” (page 36).
- [Bluetooth Mode] is changed to [Receiver] automatically when making BLUETOOTH connection with the One-touch function. Even if the One-touch function is canceled, the [Bluetooth Mode] setting remains as [Receiver]. For details about [Bluetooth Mode], see [Bluetooth Settings] (page 55).
- If your mobile device is a type that goes into standby mode in response to magnetic force, it may not be able to be connected by NFC. When the One-touch function does not work, connect it by using the BLUETOOTH function (page 33).

# Listening to Sound of the Connected TV or Device from Headphones

You can listen to sound of the connected TV or device from BLUETOOTH-compatible headphones by connecting it with the BLUETOOTH function.

## Listening to Sound by Pairing with Headphones

### 1 Set the BLUETOOTH-compatible headphones to the pairing mode.

Refer to the operating instructions of the headphones for pairing method.

### 2 Press HOME.

The home menu appears on the TV screen.

### 3 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 4 Select [Bluetooth Settings] - [Bluetooth Mode] - [Transmitter].

The system enters BLUETOOTH transmission mode.

### 5 Select the name of the headphones from the [Device List] in [Bluetooth Settings].

When the BLUETOOTH connection is established, [Bluetooth device is connected.] appears. (The connected device name also appears.)

If you cannot find name of your headphones in [Device List], select [Scan].


### 6 Return to the home menu and select the desired input.

The image of the selected input appears on the TV screen, "BT TX" appears in the front panel display, then the sound is output from the headphones.

No sound is output from the system.

For selecting input, see "Using the Home Menu" (page 15).

### 7 Adjust the volume.

Adjust the volume level of the headphones first. The volume level of the headphones can be controlled with +/- on the main unit and  +/- on the remote control.

## To remove a registered device from the device list

### 1 Follow steps 1 to 5 of "Listening to Sound by Pairing with Headphones."

### 2 Select the name of the headphones, and then press OPTIONS.

### 3 Select [Remove].

### 4 Follow the on-screen instructions to delete the desired headphones from the device list.

## Listening to Sound with Paired Headphones

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select the desired input.

For selecting input, see "Using the Home Menu" (page 15).

### 3 Set the BLUETOOTH function of the headphones to on.

### 4 Press BLUETOOTH RX/TX on the remote control.

[Bluetooth Mode] is set to [Transmitter] and "BT TX" appears in the front panel display.

The system automatically reconnects to the headphones it was most recently connected to, then the sound is output from the headphones.


No sound is output from the system.

### 5 Adjust the volume.

Adjust the volume level of the headphones. You can also adjust volume level of the headphones with  $\triangle$  +/- on the remote control.

## To disconnect the headphones

Perform any of the following items.

- Disable the BLUETOOTH function on the headphones.
- Press BLUETOOTH RX/TX.
- Turn off the system or the headphones.
- Select the device name of the connected headphones from  [Setup] - [Bluetooth Settings] - [Device List].

## About the Connection of the Headphones

- You may not be able to adjust the volume level depending on the BLUETOOTH-compatible headphones.
- [Bluetooth Audio] is disabled when [Bluetooth Mode] is set to [Off] or [Transmitter].
- When input of [Bluetooth Audio] is selected, you cannot set [Bluetooth Mode] to [Transmitter]. You cannot switch it with BLUETOOTH RX/TX on the remote control neither.
- You can register up to 9 BLUETOOTH devices. If a 10th BLUETOOTH device is registered, the oldest connected BLUETOOTH device will be overwritten by the new one.
- The system can display up to 15 detected BLUETOOTH device in the [Device List].
- You cannot change the sound effect or settings in the options menu while transmitting sound to the BLUETOOTH-compatible headphones.
- Some content may not be output due to content protection.
- Playback of audio/music on the BLUETOOTH device is delayed compared to that on the main unit due to the characteristics of BLUETOOTH wireless technology.
- You can enable or disable the reception of AAC or LDAC audio from the BLUETOOTH device (page 56).

## Listening to Music/Sound Using the Network Function

### Listening to Music on your PC via a Home Network

You can play music files stored on your PC via your home network.

Music files can be played by operating on the menu that is displayed on the TV screen or Sony | Music Center on a mobile device such as a smartphone or tablet.

#### Preparing the Home Network

#### 1 Connect the system to a network.

See "Connecting to a Wired Network" (page 20) and "Connecting to a Wireless Network" (page 21).


#### 2 Connect the PC to a network.

For details, refer to the operating instructions of the PC.

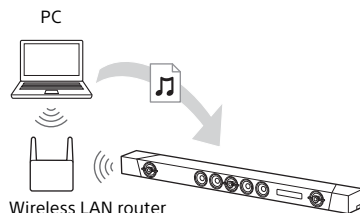
#### 3 Set the PC.

To use the PC on your home network, you need to set the PC as the server. For details, refer to the operating instructions of the PC.

#### Tip

See  [Setup] - [Network Settings] - [Network Connection Status] when checking the network connection status.

## Listening to Music on a PC



#### 1 Press HOME.

The home menu appears on the TV screen.



#### 2 Select [Home Network] from the home menu.

The device name on your home network appears on the TV screen.

#### 3 Select the desired device - folder on which songs are stored - song.

The selected song is played and sound is output from the system.

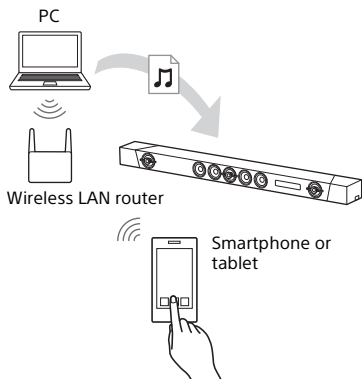
#### 4 Adjust the volume.

- Adjust the volume by pressing  +/- on the remote control.
- Adjust the subwoofer volume by pressing SW  +/- on the remote control (page 31).

#### Tip

You can perform various operations from the options menu (page 60).

## Listening to Music on a PC by Using Sony | Music Center



You can play music files stored on the PC by operating Sony | Music Center that is installed to a mobile device such as a smartphone or tablet. For details of Sony | Music Center, see “What You can Do with Sony | Music Center” (page 39) or the following URL.  
<http://www.sony.net/smcqa/>

## Listening to Music on the Mobile Device with Sony | Music Center

### What You can Do with Sony | Music Center

Sony | Music Center is an application for controlling compatible Sony audio devices using the mobile device such as a smartphone or tablet.

For details about Sony | Music Center, refer to the following URL.  
<http://www.sony.net/smcqa/>

Installing Sony | Music Center onto your mobile device provides the following.

### Sound settings of the system

You can easily customize your sound, or use the [ClearAudio+] setting recommended by Sony.

### Music service


You can configure the initial settings to use music services\*.

\* Depending on the country and region, music services and their period of availability may differ.  
An update of the device may be required.  
When using Chromecast built-in on music service, see “Using Chromecast built-in” (page 40).

### Enjoying music on your home network

You can play music stored in your PC or home network server over your network.

## Enjoying music on the USB device

You can play music on a device connected to the  (USB) port on the main unit.

### Note

What you can control with Sony | Music Center varies depending on the connected device. The specification and design of the application may change without notice.

## Using Sony | Music Center

- 1 Install the free Sony | Music Center app to the mobile device.**  
Search for Sony | Music Center at Google Play or the App Store and install it onto your mobile device.
- 2 Connect the system and mobile device with the BLUETOOTH function (page 33) or network function (page 20).**
- 3 Start Sony | Music Center.**
- 4 Operate by following the Sony | Music Center screen.**

### Notes

- Before using Sony | Music Center, be sure to set the [Bluetooth Mode] to [Receiver] (page 55).
- Use Sony | Music Center of the latest version.

### Tips

- You can connect the system and mobile device with the NFC function (page 34).
- When connecting with the network function, connect the mobile device to the same network as that of the system.

## Using Chromecast built-in

Chromecast built-in allows you to select music content from the Chromecast-enabled app and play back on the system or group that the system is included.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select [Music Service List] on the home menu.**  
The music service list appears on the TV screen.
- 3 Select [Chromecast built-in].**  
Perform the settings to use Chromecast built-in on the system by following the on-screen message.
- 4 Connect the mobile device by Wi-Fi to the same network as that of the system.**
- 5 Install the Chromecast-enabled app to the mobile device.**
- 6 Start the Chromecast-enabled app, tap the cast button, and select the system or group that the system is included.**



- 7 Select and play music on the Chromecast-enabled app.**  
The music is played on the system.



**Note**

Depending on the country and region, Chromecast built-in and the Chromecast-enabled app may not be provided.

## Using Spotify

You can select the music on the Spotify app and play it on the system. To play on the system, you need the Spotify Premium account.

### Enabling the "Spotify Connect" Function

- 1 **Connect the mobile device by Wi-Fi to the same network as that of the system.**
- 2 **Install the Spotify app to the mobile device.**
- 3 **Start the Spotify app and log in to the Spotify Premium account.**
- 4 **Select and start playing the music on the Spotify app.**
- 5 **Select the Connect icon on the Spotify app and select the system as the audio output device.**

The music is played on the system.



### Resuming the Music that has Played on the Mobile Device

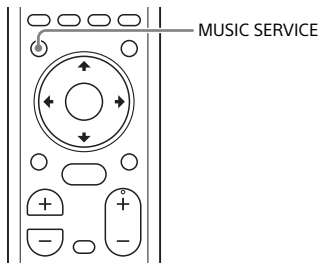
- 1 **Press MUSIC SERVICE.**  
When you have played the music of Spotify on the system, the music that was played with Spotify is resumed. For details, see "Using the MUSIC SERVICE Button" (page 42).

**Note**

The Spotify app may not be available in some countries/regions.

## Using the MUSIC SERVICE Button

To enjoy music services, the system must be connected to the Internet.

**Press MUSIC SERVICE.**

The music service list appears on the TV screen.

When you have played the music of Spotify on the system, the music that was played with Spotify is resumed. See "Using Spotify" (page 41) .

**Notes**

- Music services may not be available in some countries/regions.
- If the resume playback is not available, the last playlist played on the system plays.
- To play on the system, you need the Spotify Premium account.

**Tips**

- You can update the music service list by pressing OPTIONS and selecting [Update Services] on the music service list.
- You can display the music service list by selecting [Music Service List] on the home menu or pressing MUSIC SERVICE on the main unit.

## Connecting the Wireless Multi Room-Compatible Device (Wireless Multi Room)

You can enjoy music in any room by using the system with the wireless multi room-compatible wireless speaker.

### Listening to the Same Music in Different Rooms (Wireless Multi Room)



## Wireless Multi-room



You can enjoy the following music or sound in different rooms with high sound quality using your home wireless network.

- Music on the music service
- Music stored in your PC or smartphone
- Sound of the [TV], [HDMI1], [HDMI2], [HDMI3], or [Analog] input of the system\*

\* You can enjoy the sound of the device that is connected to the system. The sound is delayed behind the picture for the above inputs. If you are bothered by a time gap between the sound and picture, cancel the wireless multi room function.

You can operate with Sony | Music Center that is installed on a mobile device. To use multiple devices, connect them to the same wireless LAN.

### To perform setting on Sony | Music Center

Perform the setting by following the help on Sony | Music Center.

#### Note

This function is not available for music on the connected BLUETOOTH device to the system.

#### Tip








For details about Sony | Music Center, see "What You can Do with Sony | Music Center" (page 39).

## Using the Various Functions/ Settings

# Customizing the Speaker Settings for Surround Sound

To obtain the good surround sound, set the speakers distance from your listening position and their output level, etc.

The default settings are underlined.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select  [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select [Audio Settings] - [Speaker Settings].**  
The [Speaker Settings] screen appears on the TV screen.
- 4 Perform the speaker settings.**  
Select the setting item from the following items by pressing / and , then set the value in accordance with the environment by pressing / and .

---

### [Distance]

Set the distance from the listening position to the speakers.

You can set the value from 0 meters to 10 meters (0.1 m step) (0 ft to 33 ft (1/4 ft step)).

[Front]: Sets the front speaker distance.

[Subwoofer]: Sets the subwoofer distance.

### Tip

You can change measurement units (feet or meters) by pressing the color button (RED).

---

### [Level]

Adjust the sound level of the speakers. For [Front], [Height], and [Subwoofer], you can set the value from -6.0 dB to 6.0 dB (0.5 dB step).

[Front]: Sets the front speaker level.

[Height]: Sets the height speaker level.

[Subwoofer]: Sets the subwoofer level.

---

### [Test Tone]

The test tone is emitted from the speakers for checking the available speakers .

[Off]: The test tone is not emitted from the speakers.

[On]: The test tone emitted from each speaker in order.

---

### [Ceiling Height]

Set the ceiling height of the room where the system is installed.

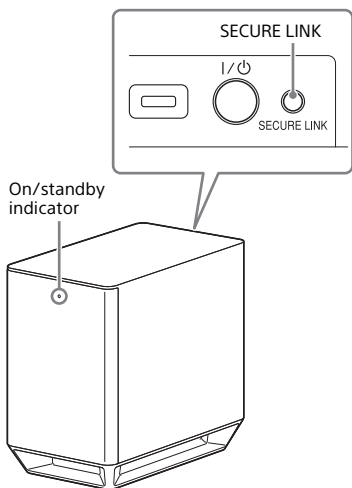
You can set the value from 1 meter to 5 meters (0.1 m step) (3.25 ft to 16.5 ft (1/4 ft step)).

### Tip

You can change measurement units (feet or meters) by pressing the color button (RED).

## Performing the Wireless Connection of the Subwoofer (SECURE LINK)

You can specify the wireless connection to link the system to the subwoofer using the Secure Link function. This function can help prevent interference if you use multiple wireless products or your neighbors use wireless products.



### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [System Settings] - [Wireless Subwoofer Connection] - [Secure Link].

The [Secure Link] screen appears on the TV screen.

### 4 Select [On].

### 5 Press SECURE LINK on the rear of the subwoofer.

The on/standby indicator of the subwoofer flashes in orange. Proceed to the next step within 1 minute.

### 6 Select [Start].

The link setting starts. To return to the previous display, select [Cancel].

### 7 Complete the link setting by following the on-screen message.

The on/standby indicator of the subwoofer lights in orange.

#### Notes

- If the message [Cannot set Secure Link.] appears, follow the on-screen instructions.
- When [Bluetooth Mode] is set to [Transmitter] and the BLUETOOTH device is connected to the system, the wireless subwoofer connection cannot be established.

## Selecting the Frequency Band

You can select the frequency band for better connection.

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [System Settings] - [Wireless Subwoofer Connection] - [RF Band].

### 4 Select the setting you want.

- [Auto] (default setting): Normally select this. The system automatically selects the strongest frequency band for transmission.
- [5.2GHz], [5.8GHz]: Transmits sound according to the selected frequency band.

#### Tip

We recommend you to set [RF Band] to [Auto].

transmitting. Select the channel with the better transmission.

#### Notes

- The transmission may be improved by changing the transmission channel (frequency) of the other wireless system(s). For details, refer to the operating instructions of the other wireless system(s).
- You cannot select this function when the [RF Band] is set to [Auto] (page 45).

## If Wireless Transmission is Unstable

If you use multiple wireless systems, such as a wireless LAN, the wireless signals may be unstable. In this case, the transmission may be improved by changing the following [RF Channel] setting.

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [System Settings] - [Wireless Subwoofer Connection] - [RF Channel].

### 4 Select the setting you want.

- [Auto] (default setting): Normally select this. The system automatically selects the better channel for transmission.
- [1], [2], [3]: The system transmits sound by fixing the channel for

## Playing Compressed Audio Files by Upscaling to Near Hi-Resolution Sound Quality (DSEE HX)

DSEE HX upscales existing sound sources to near hi-resolution sound quality, and it makes you feel as if you are in a recording studio or at a concert. This function is only available when [Music] is selected as the sound field (page 29).

### 1 Press HOME.

The home menu appears on the TV screen.

### 2 Select [Setup] from the home menu.

The setup display appears on the TV screen.

### 3 Select [Audio Settings] - [DSEE HX].

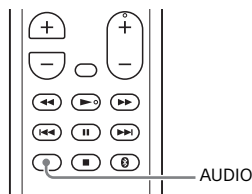
### 4 Select [On].

#### Notes

- This function is compatible with the 2-channel digital input signals of 44.1 kHz or 48 kHz sampling frequency.
- The sampling frequency/bit depth after upscaling is up to 96 kHz/24 bit.
- This function is not compatible with DSD signals.
- This function does not work for the HDMI, TV, and analog input.
- This function does not work when using Chromecast built-in.

## Enjoying Multiplex Broadcast Sound (AUDIO)

You can enjoy multiplex broadcast sound when the system receives a Dolby Digital multiplex broadcast signal.



### 1 Press AUDIO.

The audio signal appears in the front panel display.

### 2 Press the button repeatedly to select the desired audio signal.

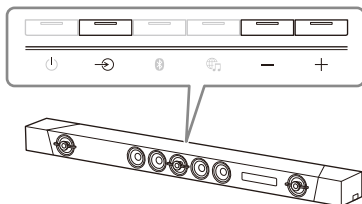
Audio signal	Explanation
"MAIN"	Sound of the main language will be output.
"SUB"	Sound of the sub language will be output.
"MN/SB"	Mixed sound of both the main and sub languages will be output.

#### Notes

- To receive a Dolby Digital signal, you need to connect a TV or other devices to the TV IN (OPT) jack with the optical digital cable (supplied).
- If your TV's HDMI IN jack is compatible with the Audio Return Channel function (page 51), you can receive a Dolby Digital signal via HDMI cable.

## Deactivating Buttons on the Main Unit

You can deactivate buttons on the main unit for preventing misoperation, such as child mischief (Child lock function).



**Press -, +, and - in order while pressing and holding the Child Lock icon on the main unit.**

“LOCK” appears in the front panel display, and buttons on the main unit do not work.

You can only operate the system by using the remote control.

## Canceling the Child Lock Function

Press -, +, and - in order while pressing and holding the Child Lock icon on the main unit.

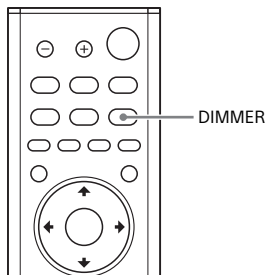
“UNLCK” appears in the front panel display, and the child lock function is canceled.

### Note

⏻ (power) is not locked with the child lock function.

## Changing the Brightness of the Front Panel Display and BLUETOOTH Indicator (DIMMER)

You can change the brightness of the front panel display and BLUETOOTH indicator.



### 1 Press DIMMER.

The display mode appears in the front panel display.

### 2 Press the button repeatedly to select the desired display mode.

Mode	Explanation
“Bright”	The front panel display and BLUETOOTH indicator light brightly.
“Dark”	The front panel display and BLUETOOTH indicator light darkly.
“Off”	The front panel display is turned off.

### Note

The front panel display is turned off when “Off” is selected. It turns on automatically when you press any button, then turns off again if you do not operate the system for about 10 seconds. However, in some cases, the front panel display may not turn off. In this case, the brightness of the front panel display is same as “Dark.”



## Saving Power in Standby Mode


Check that you have made the following settings:

- [Bluetooth Standby] is set to [Off] (page 55).
- [Standby Through] is set to [Off] (page 56).
- [Quick Start/Network Standby] is set to [Off] (page 57).

## Sending the Remote Signal to the TV via the Main Unit

When the main unit obstructs the remote control sensor of the TV, the TV remote control may not work. In that case, enable the IR repeater function of the system.

You can control the TV with the remote control of the TV by sending the remote signal from the rear of the main unit.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select  [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select [System Settings] - [IR-Repeater].**  
The [IR-Repeater] screen appears on the TV screen.
- 4 Select [On].**

### Notes

- Be sure to check that the remote control of the TV cannot control the TV, and then set [IR-Repeater] to [On]. If it is set to [On] when the remote control can control the TV, appropriate operation may not be obtained because of the interference between the direct command from the remote control and the command via the main unit.
- On some TVs, this function may not work correctly. In this case, place the main unit slightly further away from the TV.

## Using the Control for HDMI Function

Connecting a device such as a TV or Blu-ray Disc player compatible with the Control for HDMI function\* by HDMI cable enables you to easily operate the device by a TV remote control. The following functions can be used with the Control for HDMI function.

- System Power Off function
- System Audio Control function
- Audio Return Channel
- One-Touch Play function
- Menu Operation by TV Remote Control
- HDMI Standby Through power saving setting

### Note

These functions may work with devices other than those manufactured by Sony, but operation is not guaranteed.

\* Control for HDMI is a standard used by CEC (Consumer Electronics Control) for allowing HDMI (High-Definition Multimedia Interface) devices to control each other.

## Preparing to Use the Control for HDMI Function

Turn [System Settings] - [HDMI Settings] - [Control for HDMI] on the system to [On] (page 56). The default setting is [On].

Enable the Control for HDMI function settings for the TV and other device connected to the system.

### Tip

If you enable the Control for HDMI ("BRAVIA" sync) function when using a TV manufactured by Sony, the Control for HDMI function of the system is also enabled automatically. When settings are

completed, "DONE" appears in the front panel display.

## System Power Off Function

When you turn off the TV, the system will turn off automatically. Set [System Settings] - [HDMI Settings] - [Standby Linked to TV] on the system to [On] or [Auto] (page 56). The default setting is [Auto].

### Note

The connected device may not turn off depending on the status of the device.

## System Audio Control Function

If you turn on the system while you are watching the TV, the TV sound will be output from the speakers of the system. The volume of the system can be adjusted using the TV's remote control. If the TV sound was output from the speakers of the system the previous time you watched the TV, the system will be turned on automatically when you turn on the TV again. Operations can also be made by the TV's menu. For details, refer to the operating instructions of your TV.

### Notes

- Sound is only output from the TV if other than [TV], [HDMI1], [HDMI2] or [HDMI3] input is selected when using the Twin Picture function on the TV. When you disable the Twin Picture function, the sound is output from the system.
- The number for the system's volume level is displayed on the TV screen depending on the TV. The volume number displayed on the TV may differ from the number on the front panel display of the system.
- Depending on the settings of the TV, the System Audio Control function may not

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

## Audio Return Channel

If the system is connected to a TV's HDMI IN jack compatible with Audio Return Channel (ARC), you can listen to TV sound from the speakers of the system without connecting an optical digital cable.

On the system, turn [System Settings] - [HDMI Settings] - [TV Audio Input Mode] to [Auto] (page 56). The default setting is [Auto].

### Note

If the TV is not compatible with Audio Return Channel, the optical digital cable (supplied) needs to be connected (refer to the supplied Startup Guide).

## One-Touch Play Function

When you play content on a device (Blu-ray Disc player, "PlayStation®4," etc.) connected to the system, the system and TV are turned on automatically, the input of the system is switched to the input for the device played, and sound is output from the speakers of the system.

### Notes

- If [System Settings] - [HDMI Settings] - [Standby Through] on the system is set to [On] or [Auto] and the TV sound was output from the speakers of the TV the previous time you watched the TV, the system does not turn on and the sound and picture are output from the TV even if device content is played (page 56).
- Depending on the TV, the beginning part of content being played may not play correctly.

## Menu Operation by TV Remote Control

You can select the system using the SYNC MENU button on the TV remote control and operate the system. This function can be used if the TV supports the link menu. For details, refer to the operating instructions of your TV.

### Notes

- In the TV's link menu, the system is recognized by the TV as "Player."
- Some operations may not be available with some TVs.

## HDMI Standby Through Power Saving Setting

HDMI Standby Through power saving setting (page 56) is a function that allows you to enjoy the sound and picture of a connected device without turning on the system.

Set [System Settings] - [HDMI Settings] - [Standby Through] to [Auto] (page 56). The default setting is [Auto].

### Note

If the picture of a device connected to the system is not displayed on the TV, set [Standby Through] to [On]. If you connect a TV other than those manufactured by Sony, we recommend you to select this setting.

## Using the “BRAVIA” Sync Function

In addition to the Control for HDMI function, you can also use the following functions on devices compatible with the “BRAVIA” sync function.

- Scene Select function
- Home Theatre Control
- Echo Canceling function
- Language Follow

### Note

These functions are proprietary functions of Sony. This function cannot operate with products other than those manufactured by Sony.

## Scene Select Function

The sound field of the system is automatically switched according to the TV’s Scene Select function settings. For details, refer to the operating instructions of your TV.

Set the sound field to [ClearAudio+] (page 29).

## Home Theatre Control Function

When using a TV compatible with the Home Theatre Control function, setting the system, setting the sound field settings, input switching, etc. can be done without switching the TV input. This function can be used when the TV is connected to the Internet. For details, refer to the operating instructions of your TV.

## Echo Canceling Function

Echo is reduced when you use Social Viewing function such as Skype while watching TV programs. This function can be used if the TV supports Social Viewing function. For details, refer to the operating instructions of your TV.

### Notes


- If the input of the system is [HDMI1], [HDMI2] or [HDMI3] when using the Social Viewing function, the input is automatically changed to [TV]. Sound of the Social Viewing and TV program is output from the speakers of the system.
- Sound is only output from the speaker of the TV if the input of the system is other than [TV], [HDMI1], [HDMI2] or [HDMI3] when using the Social Viewing function.
- This function cannot be used when sound is output from the TV.










## Language Follow

When you change the language for the on-screen display of the TV, the system’s on-screen display language is also changed.

# Using the Setup Display

You can make various adjustments to items such as picture and sound. The default settings are underlined.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select  [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select the setting item.**

Setting item	Explanation
 [Software Update]	Updates the software of the system. (page 54)
 [Screen Settings]	Makes the screen settings according to the type of TV. (page 54)
 [Audio Settings]	Makes the audio settings according to the type of connection jacks. (page 54)
 [Bluetooth Settings]	Makes detailed settings for the BLUETOOTH function. (page 55)
 [System Settings]	Makes the system-related settings. (page 56)
 [Network Settings]	Makes detailed settings for the Internet and home network. (page 58)
 [Input Skip Setting]	Sets the input skip setting for each input. (page 58)
 [Easy Setup] 1-2-3	Re-runs the Easy Setup to make the basic settings. (page 58)
 [Resetting]	Resets the system to the factory default settings. (page 58)

## [Software Update]

By updating your software to the latest version, you can take advantage of the newest functions.

For information about update functions, visit the following website:  
[www.sony.eu/support](http://www.sony.eu/support)

### Notes

- It may take about 1 hour for the update to be completed.
- An Internet environment is necessary to perform updates via Internet.
- During a software update, "UPDT" appears in the front panel display. After the update is complete, the system automatically reboots. While the updating operation is in progress, do not turn on or off the system or operate the system or TV. Wait for the software update to complete.
- Set [Auto Update] to [On] when you want to perform software updates automatically (page 57). Software update may be performed even if you select [Off] in [Auto Update] depending on the details of the updates.

### [Update via Internet]

Updates the system's software using the available network. Follow the instructions on the screen. Make sure network is connected to the Internet.

### [Update via USB Memory]

Updates software using USB memory. Make sure that the software update folder is correctly named "UPDATE."

## [Screen Settings]

### [Output Video Resolution]

[Auto]: Outputs video signal according to the resolution of the TV or connected device.

[480p/576p]\*: Outputs 480p/576p video signal.

\* If the color system of the playback content is NTSC, the video signals resolution can be converted to [480p] only.

### [YCbCr/RGB (HDMI)]

[Auto]: Automatically detects the type of external device, and then switches to the matching color setting.

[RGB]: Select this when connecting to a device with an HDCP compliant DVI jack.

### [Video Direct]

You can disable the On-Screen Display (OSD) of the system when [HDMI1], [HDMI2] or [HDMI3] input is selected. This function is useful when playing a game, you can fully enjoy the game's screen.

[On]: Disables the OSD. Information will not display on the TV screen and the OPTIONS and DISPLAY buttons will not work.

[Off]: Displays information on the TV screen only when you change the settings, such as when selecting the sound field.

## [Audio Settings]

### [Speaker Settings]

You can perform the speaker settings to obtain the best possible surround sound. For details, see "Customizing the Speaker Settings for Surround Sound" (page 44).

### [DSEE HX]

This function is only available when [Music] is selected as the sound field.

[On]: Upscales the audio data to a High-Resolution Audio file and reproduces the clear high-range sound which is often lost (page 47).

[Off]: Off

**[Audio DRC]**

You can compress the dynamic range of the sound track.

**[Auto]:** Automatically compresses sound encoded in Dolby TrueHD.

**[On]:** The system reproduces the dolby sound track with the kind of dynamic range that the recording engineer intended.

**[Off]:** No compression of dynamic range.

**[Audio Output]**

You can select the output method used for audio signal output.

**[Speaker]:** Outputs multi-channel sound from the system's speakers only.

**[Speaker + HDMI]:** The sound is output from the speaker of the TV and the system's speakers. The sound quality of the playback device depends on the sound quality of the TV (number of channels, sampling frequency, etc.). If the TV has stereo speakers, the sound output from the system's speaker is in the same stereo as the TV, even when playing back multi-channel source.

**Note**

When [Audio Output] is set to [Speaker + HDMI] while the [HDMI1], [HDMI2] or [HDMI3] input is selected, the On-Screen Display (OSD) of the system is not displayed and the OPTIONS and DISPLAY buttons do not work.

**[Sound Effect]**

You can turn on/off the sound effect such as the sound field.

**[Sound Field On]:** Enables all sound effects.

**[Off]:** Disables the sound effects. Select this when you do not want to set the upper limit of sampling frequency.

**[Bluetooth Settings]****[Bluetooth Mode]**

You can enjoy content from a BLUETOOTH device by using this system or listen to sound from this system by using BLUETOOTH-compatible headphones.

**[Receiver]:** This system is in receiver mode, which enables it to receive and output audio from the BLUETOOTH device.

**[Transmitter]:** This system is in transmitter mode, which enables it to send audio to the BLUETOOTH-compatible headphones. If you switch the input of the system, "BT TX" appears on the front panel display.

**[Off]:** The BLUETOOTH function is turned off and you cannot select the [Bluetooth Audio] input.

**Note**

You can connect to a BLUETOOTH device\* by using the One-touch function even if you have set [Bluetooth Mode] to [Off].

\* Only mobile devices such as a smartphone, tablet, WALKMAN®

**[Device List]**

Displays a list of paired and detected BLUETOOTH devices (SNK device) when [Bluetooth Mode] is set to [Transmitter].

**[Bluetooth Standby]**

You can set the [Bluetooth Standby] so that the system can be turned on by a BLUETOOTH device even when the system is in standby mode. This function is only available when you set [Bluetooth Mode] to [Receiver] or [Transmitter].

**[On]:** The system turns on automatically when you request a BLUETOOTH connection from a paired BLUETOOTH device.

**[Off]:** Off

---

### [Bluetooth Codec - AAC]

This function is only available when you set [Bluetooth Mode] to [Receiver] or [Transmitter].

[On]: Enable AAC codec.

[Off]: Disable AAC codec.

#### Notes

- You can enjoy high-quality sound if AAC is enabled and your device supports AAC.
- When connecting BLUETOOTH-compatible headphones, this setting cannot be changed.

---

### [Bluetooth Codec - LDAC]

This function is only available when you set [Bluetooth Mode] to [Receiver] or [Transmitter].

[On]: Enable LDAC codec.

[Off]: Disable LDAC codec.

#### Notes

- You can enjoy more high-quality sound if LDAC is enabled and your device supports LDAC.
- When connecting BLUETOOTH-compatible headphones, this setting cannot be changed.

---

### [Wireless Playback Quality]

You can set the transmission data rate of LDAC playback. This function is only available when you set [Bluetooth Mode] to [Transmitter] and [Bluetooth Codec - LDAC] to [On].

[Auto]: The data transfer rate is automatically changed depending on the environment. If audio playback is unstable in this mode, use the other three modes.

[Sound Quality]: The highest bit rate is used. Sound is sent in a higher quality; however, audio playback sometimes may become unstable when the link quality is not good enough.

[Standard]: The middle bit rate is used. It balances both sound quality and playback stability.

[Connection]: Stability is prioritized. Sound quality may be reasonable and connection status will most likely be stable. If the connection is unstable, this setting is recommended.

---

## [System Settings]

---

### [OSD Language]

You can select the language you want for the system on-screen display.

---

### [Wireless Subwoofer Connection]

You can perform wireless connection of the subwoofer again. For details, see "Performing the Wireless Connection of the Subwoofer (SECURE LINK)" (page 45).

---

### [IR-Repeater]

[On]: Remote signals for the TV are sent from the rear of the main unit (page 49).

[Off]: Turns off the function.

For details, see "Sending the Remote Signal to the TV via the Main Unit" (page 49).

---

### [HDMI Settings]

- [Control for HDMI] (page 50)

[On]: The Control for HDMI function is enabled. Devices connected with an HDMI cable can control each other.

[Off]: Off

- [Standby Linked to TV] (page 50)

This function is available when you set [Control for HDMI] to [On].

[Auto]: If the input of the system is [TV], [HDMI1], [HDMI2], or [HDMI3], the system turns off automatically when you turn off the TV.

[On]: The system turns off automatically when you turn off the TV regardless of the input.

[Off]: The system does not turn off when you turn off the TV.



- **[Standby Through]** (page 51)  
This function is available when you set **[Control for HDMI]** to **[On]**.  
**[Auto]**: Signals are output from the system's HDMI OUT (ARC) jack when the TV is turned on while the system is not turned on. The system standby power consumption can be reduced more than when set to **[On]**.  
**[On]**: Signals are always output from the system's HDMI OUT (ARC) jack when the system is not turned on. If you connect a TV other than those manufactured by Sony, we recommend that you select this setting.  
**[Off]**: Signals are not output from the system's HDMI OUT (ARC) jack when the system is not turned on. Turn on the system to enjoy on the TV content of a device connected to the system. The system standby power consumption can be reduced more than when set to **[On]**.
- **[TV Audio Input Mode]** (page 51)  
Set this function when the system is connected to a TV's HDMI IN jack that is compatible with Audio Return Channel. The Audio Return Channel function is available when you set **[Control for HDMI]** to **[On]**.  
**[Auto]**: You can listen to TV sound from the speakers of the system.  
**[Optical]**: Use this setting when an optical digital cable is connected.
- **[HDMI Signal Format]**  
You can select the HDMI signal format for the input signal. For details, see "Setting the HDMI Signal Format to Watch 4K Video Content" (page 19).

---

### **[Quick Start/Network Standby]**

**[On]**: Shortens the startup time from standby mode. You can turn on the system by a device linked via a network when the system is in standby mode.

**[Off]**: Off

---

### **[Auto Standby]**

**[On]**: Turns on the **[Auto Standby]** function. When you do not operate the system for about 20 minutes, the system enters standby mode automatically.

**[Off]**: Off

---

### **[Software Update Notification]**

**[On]**: Sets the system to inform you of latest software version information (page 54).

**[Off]**: Off

---

### **[Auto Update Settings]**

- **[Auto Update]**  
**[On]**: Software update is automatically executed between 2 a.m. and 5 a.m. local time in the selected **[Time Zone]** while this system is not in use. If you select **[Off]** in **[Quick Start/Network Standby]**, software update is performed after you turn off the system.  
**[Off]**: Off
- **[Time Zone]**  
Select your country/region.

---

### **Notes**

- Software update may be performed even if you select **[Off]** in **[Auto Update]** depending on the details of the updates.
- Software update is performed automatically within 11 days of a new software release.

---

### **[Device Name]**

You can change the name of this system according to your preference so that it is more recognizable when using the **[Bluetooth Audio]** function. The name is also used with other networks, such as the home network. Follow on-screen instructions and use the software keyboard to enter the name.

---

### [System Information]

You can display the system's software version information and the MAC address.

---

### [Software License Information]

You can display the Software License Information.



## [Network Settings]

---

### [Internet Settings]

Connect the system to the network beforehand.

[Wired Setup]: Select this when you connect to a broadband router using a LAN cable. When you select this setting, the wireless LAN function of the system is disabled automatically.

[Wireless Setup]: Select this when you use the built-in Wi-Fi function of the system to connect to a wireless network.

#### Tip

For further details, visit the following website and check the FAQ:  
[www.sony.eu/support](http://www.sony.eu/support)

---

### [Network Connection Status]

Displays the current network connection status.

---

### [Network Connection Diagnostics]

You can run the network diagnostic to check if the network connection has been made properly.

---

### [Connection Server Settings]

Sets whether or not to display the connected home network server.

---

### [Auto Home Network Access Permission]

[On]: Allows automatic access from a newly detected home network controller.

[Off]: Off

---

### [Home Network Access Control]

Displays a list of home network controller-compatible products and sets whether or not to accept commands from the controllers in the list.

---

### [External Control]

[On]: Allows the home automation controller to operate this system.

[Off]: Off



## [Input Skip Setting]

The skip setting is a convenient feature that allows you to skip unused inputs when selecting a function by pressing INPUT +/-.

[Do not skip]: The system does not skip the selected input.

[Skip]: The system skips the selected input.

#### Note

When you press INPUT +/- during the home menu is displayed, input icon appears dimmed if it has been set to [Skip].

#### Tip

You can perform [Input Skip Setting] from the options menu (page 60).



## [Easy Setup]

Run [Easy Setup] to make the basic initial settings and the basic network settings for the system. Follow the on-screen instructions.



## [Resetting]

---

### [Reset to Factory Default Settings]

You can reset the system settings to the factory default by selecting the group of settings. All the settings within the group will be reset.

---

**[Initialise Personal Information]**

You can erase your personal information stored on the system.

**Note**

If you dispose, transfer or resell this system, please delete all Personal Information for security purposes. Please take appropriate measures such as logging out after using a network service.

## Options Menu List

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

Item	Explanation
[A/V SYNC]	Adjusts the time gap between picture and sound. Sound output can be delayed (page 32).
[Sound Field]	Changes the sound field setting (page 29).
[Night]	Selects the night mode (page 30).
[Voice]	Selects the voice mode (page 31).
[Input Skip Setting]	Skips unused inputs when selecting a function by pressing <b>INPUT +/-</b> (page 58).
[Input Label Setting]	Changes the input name of [HDMI1], [HDMI2], or [HDMI3] that is displayed on the home menu (page 26).
[Repeat Setting]	Sets repeat playback.
[Shuffle Setting]	Sets shuffle playback.
[Play/Stop]	Starts or stops playback.
[Play from start]	Plays the item from the beginning.

## Troubleshooting

# 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. Be sure to bring both your main unit and subwoofer, even if it seems as though only one has a problem, when you request to repair.

## Power

### The system does not power up.

- Check that the AC power cord (mains lead) is connected securely.
- Disconnect the AC power cord (mains lead) from the wall outlet (mains), and then reconnect after several minutes.

### The system does not turn on even when the TV is turned on.

- Set [System Settings] - [HDMI Settings] - [Control for HDMI] to [On] (page 56). The TV must support the Control for HDMI function (page 50). For details, refer to the operating instructions of your TV.
- Check the speaker settings of the TV. The system power syncs with the speaker settings of the TV. For details, refer to the operating instructions of your TV.
- If the sound was output from the speakers of the TV the previous time, the system does not turn on even when the TV is turned on.

### The system turns off when the TV is turned off.


- Check the setting of [System Settings] - [HDMI Settings] - [Standby Linked to TV] (page 56). When [Standby Linked to TV] is set to [On], the system turns off automatically when you turn off the TV regardless of the input.

### The system does not turn off even when the TV is turned off.

- Check the setting of [System Settings] - [HDMI Settings] - [Standby Linked to TV] (page 56). To turn the system off automatically regardless of the input when you turn off the TV, set [Standby Linked to TV] to [On]. The TV must support the Control for HDMI function (page 50). For details, refer to the operating instructions of your TV.

## Picture

### There is no picture or the picture is not output correctly.

- Select the appropriate input (page 15).
- When there is no picture while TV input is selected, select the TV channel that you want using the TV's remote control.
- When there is no picture while HDMI IN 1/2/3 input is selected, press the playback button of the connected device.
- Disconnect the HDMI cable, then connect it again. Make sure that the cable is firmly inserted.
- While pressing and holding , press +, -, + on the main unit in order to set the video output resolution setting to the lowest level.
- When there is no picture from the connected device or the picture from the connected device is not output correctly, set [System Settings] - [HDMI Settings] - [HDMI Signal

Format] to [Standard format] (page 19).

- If you connect a device supporting HDCP 2.2 be sure to connect the device to the HDMI IN jack and the TV to the HDMI OUT jack of the system.
- The system is connected to an input device that is not HDCP (High-bandwidth Digital Content Protection) compliant. In this case, check the specifications of the connected device.

### **3D content from the HDMI IN 1/2/3 jack do not appear on the TV screen.**

- Depending on the TV or video device, 3D content may not appear. Check the supported HDMI video format (page 75).

### **4K video content from the HDMI IN 1/2/3 jack do not appear on the TV screen.**

- Depending on the TV or the video device, 4K video content may not appear. Check the video capability and settings of your TV and video device.
- The picture may not be displayed properly if the [HDMI Signal Format] setting is changed. In this case, change the setting to [Standard format] (page 19).
- Use a Premium High Speed HDMI Cable with Ethernet that supports 18Gbps or High Speed HDMI Cable with Ethernet (page 75).

### **An image is not displayed on the entire TV screen.**

- The aspect ratio on the media is fixed.

### **Images from the HDMI jack is distorted.**

- Video from the device connected to the HDMI jack may be distorted. If this happens, set [Video Direct] to [On] (page 54).

### **Picture and sound are not output from the TV when the system is not turned on.**

- Set on the system [System Settings] - [HDMI Settings] - [Control for HDMI] to [On], and then set [Standby Through] to [Auto] or [On] (page 56).
- Turn on the system, and then switch the input to that for the device playing.
- If connected to devices other than those manufactured by Sony that support the Control for HDMI function, set [System Settings] - [HDMI Settings] - [Standby Through] to [On] (page 56).

### **HDR Contents cannot show as high-dynamic range.**

- Check the settings of the TV and connected device. For details, refer to the operating instructions of your TV and the connected device.
- Some devices may convert HDR contents to SDR if the bandwidth is not enough. In that case, set [System Settings] - [HDMI Settings] - [HDMI Signal Format] to [Enhanced format] if the TV and the connected device support a bandwidth of up to 18Gbps (page 19). When you select [Enhanced format], be sure to use a Premium High Speed HDMI Cable with Ethernet that supports 18Gbps (page 75).

## **Sound**

### **No TV sound is output from the system.**

- Check the type and connection of the HDMI cable, optical digital cable, or analog audio cable that is connected to the system and the TV (refer to the supplied Startup Guide).

- When the system and TV are connected with a HDMI cable, check the following.
  - The HDMI jack of the connected TV is labeled with “ARC.”
  - The Control for HDMI function of the TV is set to on.
  - On the system, [Control for HDMI] is set to [On] and [TV Audio Input Mode] to [Auto] (page 56).
- If your TV is not compatible with Audio Return Channel, connect the optical digital cable (supplied) (refer to the supplied Startup Guide). If the TV is not compatible with Audio Return Channel, TV sound will not be output from the system even if the system is connected to the TV’s HDMI IN jack.
- Switch the input of the system to [TV]. When you connect the system and TV with an analog audio cable (not supplied), switch input of the system to [Analog] (page 15).
- Increase the volume on the system or cancel muting.
- If sound of a cable box/satellite box connected to the TV is not output, connect the device to a HDMI IN jack of the system and switch input of the system to the input for the connected device (HDMI IN 1/2/3) (refer to the supplied Startup Guide).
- Depending on the order in which you connect the TV and the system, the system may be muted and “Muting” is displayed on the front panel display of the system. If this happens, turn on the TV first, then the system.
- Set the speakers setting of the TV (BRAVIA) to Audio System. Refer to the operating instructions of your TV regarding how to set the TV.

**Picture and sound are not output from the TV when the system is not turned on.**

- Set on the system [System Settings] - [HDMI Settings] - [Control for HDMI]

to [On], and then set [Standby Through] to [Auto] or [On] (page 56).

- Turn on the system, and then switch the input to that for the device playing.
- If connected to devices other than those manufactured by Sony that support the Control for HDMI function, set [System Settings] - [HDMI Settings] - [Standby Through] to [On] (page 56).

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

- Mute the sound of the system or the TV.

**The TV sound from this system lags behind the image.**

- Set [A/V SYNC] to 0 msec if it is set to the range between 25 msec and 300 msec (page 32).

**No sound or only very low-level sound of the device connected to the system is heard.**

- Press  $\triangleleft$  + on the remote control and check the volume level (page 13).
- Press  $\otimes$  or  $\triangleleft$  + on the remote control to cancel the muting function (page 13).
- Make sure the input source is selected correctly. You should try other input sources by pressing INPUT +/- on the remote control several times (page 13).
- Check that all the cables and cords of the system and the connected device are firmly inserted.
- When you play content compatible with copyright protection technology (HDCP), it may not be output from the system.
- Set [System Settings] - [HDMI Settings] - [HDMI Signal Format] to [Standard format] (page 19).

## The surround effect cannot be obtained.


- Depending on the input signal and the sound field setting, surround sound processing may not work effectively. The surround effect may be subtle, depending on the program or disc.
- To play multi-channel audio, check the digital audio output setting on the device connected to the system. For details, refer to the operating instructions supplied with the connected device.
- When [Audio Output] is set to [Speaker + HDMI], the sound output from the system's speaker is in the same stereo as the TV, even when playing back multi-channel source. In this case, set it to [Speaker] (page 55).

## The sound is delayed behind the picture.

- When the sound of the [TV], [HDMI1], [HDMI2], [HDMI3], or [Analog] input is played in the wireless multi room function, the sound is delayed behind the picture. If you are bothered by a time gap between the sound and picture, cancel the wireless multi room function.

## Subwoofer

### No sound or only very low-level sound is heard from the subwoofer.

- Press SW  + on the remote control to increase the subwoofer volume (page 31).
- Make sure that the on/standby indicator on the subwoofer is lit in green or orange.
- If the on/standby indicator on the subwoofer does not light, try the following.
  - Make sure the AC power cord (mains lead) of the subwoofer is connected properly.

- Press I/⏻ (on/standby) of the subwoofer to turn on the power.
- If the on/standby indicator on the subwoofer flashes slowly in green or orange, or lights in red, try the following.
  - Move the subwoofer to a location near the main unit so that the on/standby indicator on the subwoofer lights in green or orange.
  - Follow the steps in "Performing the Wireless Connection of the Subwoofer (SECURE LINK)" (page 45).
- The on/standby indicator on the subwoofer flashes quickly in green.
  - Consult your nearest Sony dealer.
- If the on/standby indicator on the subwoofer flashes in red, press I/⏻ (on/standby) of the subwoofer to turn off the power and check whether the ventilation holes of the subwoofer is blocked or not.
- The subwoofer is for reproducing bass sound. In the case of input sources that contain very little bass sound components (i.e., a TV broadcast), the sound from the subwoofer may be difficult to hear.
- Set the night mode to [Off]. For details, see "Enjoying Clear Sound with Low Volume at Midnight (NIGHT)" (page 30).

### Sound skips or has noise.


- If there is a device nearby that generates electromagnetic waves, such as a wireless LAN or a microwave oven in use, locate the system apart from it.
- If there is an obstacle between the main unit and the subwoofer, move or remove it.
- Locate the main unit and the subwoofer as close as possible.
- Switch the wireless LAN frequency of any nearby wireless LAN router or PC to 5 GHz range.



- Switch the network connection of the TV or Blu-ray Disc Player from wireless to wired.

## USB Device Connection

### The USB device is not recognized.

- Try the following:
  - ① Turn the system off.
  - ② Remove and reconnect the USB device.
  - ③ Turn the system on.
- Make sure that the USB device is securely connected to the  (USB) port (page 27).
- Check to see if the USB device or a cable is damaged.
- Make sure that the USB device is on.
- If the USB device is connected via a USB hub, disconnect it and connect the USB device directly to the system.

## Mobile Device Connection

### BLUETOOTH connection cannot be completed.

- Make sure that the BLUETOOTH indicator of the main unit is lit (page 34).
- Make sure the BLUETOOTH device to be connected with is turned on and the BLUETOOTH function is enabled.
- Bring this system and the BLUETOOTH device closer together.
- Pair this system and the BLUETOOTH device again. You may need to cancel the pairing with this system using your BLUETOOTH device first.
- Pairing information may be deleted. Perform pairing operation again (page 33).

### Pairing cannot be achieved.

- Bring this system and the BLUETOOTH device closer together.
- Make sure this system is not receiving interference from a wireless LAN

device, other 2.4 GHz wireless devices, or a microwave oven. If a device that generates electromagnetic radiation is nearby, move the device away from this system.

### You cannot use the NFC function.

- The NFC function does not work with BLUETOOTH-compatible headphones. To listen to sound using a BLUETOOTH-compatible headphones, see "Listening to Sound of the Connected TV or Device from Headphones" (page 36).

### Sound of the connected BLUETOOTH mobile device is not output from the system.

- Make sure that the BLUETOOTH indicator of the main unit is lit (page 34).
- Bring this system and the BLUETOOTH device closer together.
- If a device that generates electromagnetic radiation, such as a wireless LAN device, other BLUETOOTH devices, or a microwave oven is nearby, move the device away from this system.
- Remove any obstacle between this system and the BLUETOOTH device or move this system away from the obstacle.
- Reposition the connected BLUETOOTH device.
- Switch the wireless LAN frequency of any nearby wireless LAN router or PC to 5 GHz range.
- Increase the volume on the connected BLUETOOTH device.

## Headphones Connection via BLUETOOTH

### BLUETOOTH connection cannot be completed.

- Make sure that the BLUETOOTH indicator of the main unit is lit (page 10).
- Make sure the BLUETOOTH device to be connected with is turned on and the BLUETOOTH function is enabled.
- Bring this system and the BLUETOOTH device closer together.
- Pair this system and the BLUETOOTH device again. You may need to cancel the pairing with this system using your BLUETOOTH device first.
- Pairing information may be deleted. Perform pairing operation again (page 36).

### Pairing cannot be achieved.

- Bring this system and the BLUETOOTH device closer together.
- Make sure this system is not receiving interference from a wireless LAN device, other 2.4 GHz wireless devices, or a microwave oven. If a device that generates electromagnetic radiation is nearby, move the device away from this system.

### You cannot use the NFC function.

- The NFC function does not work with BLUETOOTH-compatible headphones. To listen to sound using a BLUETOOTH-compatible headphones, see "Listening to Sound of the Connected TV or Device from Headphones" (page 36).

### No sound is output from the connected BLUETOOTH headphones.

- Make sure that the BLUETOOTH indicator of the main unit is lit (page 10).

- Bring this system and the BLUETOOTH device closer together.
- If a device that generates electromagnetic radiation, such as a wireless LAN device, other BLUETOOTH devices, or a microwave oven is nearby, move the device away from this system.
- Remove any obstacle between this system and the BLUETOOTH device or move this system away from the obstacle.
- Reposition the connected BLUETOOTH device.
- Switch the wireless LAN frequency of any nearby wireless LAN router or PC to 5 GHz range.
- Increase the volume on the connected BLUETOOTH device.
- Set [Wireless Playback Quality] to [Connection] (page 56).

## Wired LAN Connection

### The system cannot connect to the network.

- Check the network connection (page 20) and the network settings (page 58).

## Wireless LAN Connection

### You cannot connect your PC to the Internet after [Wi-Fi Protected Setup™ (WPS)] is performed.

- The wireless settings of the router may change automatically if you use the Wi-Fi Protected Setup function before adjusting the settings of the router. In this case, change the wireless settings of your PC accordingly.

### **The system cannot connect to the network or the network connection is unstable.**

- Make sure the wireless LAN router is on.
- Check the network connection (page 21) and the network settings (page 58).
- Depending on the usage environment (including the wall material), radio wave reception conditions, or obstacles between the system and the wireless LAN router, the possible communication distance may be shortened. Move the system and the wireless LAN router closer to each other.
- Devices that use a 2.4 GHz frequency band, such as a microwave, BLUETOOTH, or digital cordless device, may interrupt communication. Move the main unit away from such devices, or turn off such devices.
- The wireless LAN connection may be unstable depending on the usage environment, especially while using the BLUETOOTH function of the system. In this case, adjust the usage environment.

### **The wireless LAN router you want is not shown in the wireless network list.**

- Press BACK to return to the previous screen, and try [Wireless Setup] again (page 21). If the wireless LAN router you want is still not detected, select [New connection registration] from the network list, then select [Manual registration] to input a network name (SSID) manually.

## **Internet Connection**

### **You cannot connect the system to the Internet.**

- Check the wired or wireless LAN connection.
- Restart the router or wireless LAN router.

## **Wireless Multi Room**

### **The sound is delayed behind the picture.**

- When the sound of the [TV], [HDMI1], [HDMI2], [HDMI3], or [Analog] input is played in the wireless multi room function, the sound is delayed behind the picture. This function is for enjoying the sound of the device that is connected to the system in different rooms. If you are bothered by a time gap between the sound and picture, cancel the wireless multi room function.

## **Remote Control**

### **The remote control of this system does not function.**

- Point the remote control at the remote control sensor on the main unit (page 10).
- Remove any obstacles in the path between the remote control and the system.
- Replace both batteries in the remote control with new ones, if they are weak.
- Make sure you are pressing the correct button on the remote control.

### **TV remote control does not work.**


- This problem might be solved by enabling the IR repeater function (page 56).

## Others

### **The Control for HDMI function does not work properly.**

- Check the connection with the system (refer to the supplied Startup Guide).
- Enable the Control for HDMI function on the TV. For details, refer to the operating instructions of your TV.
- Wait a while, and then try again. If you unplug the system, it will take a while before operations can be made. Wait for 15 seconds or longer, and then try again.
- Make sure the devices connected to the system support the Control for HDMI function.
- Enable the Control for HDMI function on the devices connected to the system. For details, refer to the operating instructions of your device.
- The type and number of devices that can be controlled by the Control for HDMI function is restricted by the HDMI CEC standard as follows:
  - Recording devices (Blu-ray Disc recorder, DVD recorder, etc.): up to 3 devices
  - Playback devices (Blu-ray Disc player, DVD player, etc.): up to 3 devices (this system uses one of them)
  - Tuner-related devices: up to 4 devices
  - Audio system (receiver/headphone): up to 1 device (used by this system)

### **"PRTCT," "PUSH" and "POWER" flash alternately in the front panel display.**

- Press  (power) to turn off the system. After the indicator disappears, disconnect the AC power cord (mains lead) and make sure nothing is obstructing the ventilation holes of the system.

### **"BT TX" appears in the front panel display.**

- Press BLUETOOTH RX/TX on the remote control to switch [Bluetooth Mode] to [Receiver]. "BT TX" appears if [Bluetooth Mode] is set to [Transmitter] (page 55). When you press BLUETOOTH RX/TX on the remote control, [Bluetooth Mode] is switched to [Receiver] and the selected input appears in the front panel display.


### **Sensors of the TV do not work properly.**

- The main unit may block some sensors (such as the brightness sensor), the remote control receiver of your TV or the emitter for 3D glasses (infrared transmission) of a 3D TV that supports the infrared 3D glass system, or wireless communication. Move the main unit away from the TV within a range that allow those parts to operate properly. For the locations of the sensors and remote control receiver, refer to the operating instructions supplied with the TV.


### **Wireless functions (wireless LAN, BLUETOOTH, or subwoofer) are unstable.**

- Do not place metal objects other than a TV around the system.

### **Music that you are not familiar with is played suddenly.**


- The pre-installed sample music may have been played. Press  on the main unit to stop playback.

### **The system does not work properly.**

- The system may be in demo mode. To cancel demo mode, reset the system. Press and hold  (power) and – on the main unit for more than 5 seconds (page 69).

# Resetting the System


If the system still does not operate properly, reset the system as follows.

- 1 Press HOME.**  
The home menu appears on the TV screen.
- 2 Select  [Setup] from the home menu.**  
The setup display appears on the TV screen.
- 3 Select [Resetting] - [Reset to Factory Default Settings].**
- 4 Select the menu item you want to reset.**
- 5 Select [Start].**

## To cancel resetting

Select [Cancel] in step 5.

## If You Cannot Perform Resetting Using the Home Menu

**Press and hold  (power) and - on the main unit for more than 5 seconds.**

The settings return to their initial status.

### Note

By resetting, the link with the subwoofer may be lost. In this case, perform "Performing the Wireless Connection of the Subwoofer (SECURE LINK)" (page 45).

## Additional Information

# Specifications

## Bar Speaker (SA-ST5000)

### Amplifier section

#### POWER OUTPUT (rated)

Front L + Front R: 30 W + 30 W  
(at 6 ohms, 1 kHz, 1% THD)

#### POWER OUTPUT (reference)

Front L/Front R speaker blocks: 50 W  
(per channel at 6 ohms, 1 kHz)  
Front tweeter L/Front tweeter R  
speaker blocks: 50 W (per channel at  
6 ohms, 10 kHz)

Center speaker block: 50 W (per  
channel at 6 ohms, 1 kHz)

Center tweeter speaker block: 50 W  
(per channel at 6 ohms, 10 kHz)

Top speaker block: 50 W (per channel  
at 6 ohms, 1 kHz)

#### Inputs

HDMI IN 1/2/3\*  
ANALOG IN  
TV IN (OPT)

#### Outputs

HDMI OUT (TV (ARC))\*

- \* HDMI IN 1/2/3 and HDMI OUT (TV (ARC))  
jacks support HDCP 2.2 protocol. HDCP  
2.2 is newly enhanced copyright  
protection technology that is used to  
protect content such as 4K movies.

### HDMI Section

#### Connector

Type A (19pin)

### USB section



(USB) port:

Type A (For connecting USB memory)

### LAN section

LAN(100) terminal

100BASE-TX Terminal

### Wireless LAN section

Communication system

IEEE 802.11 a/b/g/n

Frequency band

2.4 GHz, 5 GHz

### BLUETOOTH section

Communication system

BLUETOOTH Specification version 4.1

Output

BLUETOOTH Specification Power  
Class 1

Maximum communication range

Line of sight approx. 30 m<sup>1)</sup>

Maximum number of devices to be  
registered

9 devices

Frequency band

2.4 GHz band (2.4 GHz - 2.4835 GHz)

Modulation method

FHSS (Freq Hopping Spread Spectrum)

Compatible BLUETOOTH profiles<sup>2)</sup>

A2DP 1.2 (Advanced Audio Distribution  
Profile)

AVRCP 1.5 (Audio Video Remote  
Control Profile)

Supported Codecs<sup>3)</sup>

SBC<sup>4)</sup>, AAC<sup>5)</sup>, LDAC

Transmission range (A2DP)

20 Hz - 40,000 Hz (LDAC sampling  
frequency 96 kHz with 990 kbps  
transmission)

20 Hz - 20,000 Hz (Sampling frequency  
44.1 kHz)

- 1) The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone use, reception sensitivity, the operating system, software applications, etc.
- 2) BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.
- 3) Codec: Audio signal compression and conversion format
- 4) Abbreviation for Subband Codec
- 5) Abbreviation for Advanced Audio Coding

### Front L/Front R speaker block section

Speaker system

2-way coaxial speaker system,  
Acoustic suspension

Speaker

Woofer: 65 mm cone type, Magnetic

fluid speaker  
Tweeter: 14 mm soft dome type

### Center speaker block section

Speaker system  
Center: 2-way coaxial speaker system,  
Acoustic suspension  
Satellite: Full range speaker system,  
Acoustic suspension  
Speaker (5 speakers)  
Center woofer: 65 mm cone type,  
Magnetic fluid speaker  
Tweeter: 14 mm soft dome type  
Satellite: 65 mm cone type, Magnetic  
fluid speaker

### Top speaker block section

Speaker system  
Full range speaker system, Acoustic  
suspension  
Speaker  
65 mm cone type, Magnetic fluid  
speaker

### General

Power requirements  
220 V - 240 V AC, 50 Hz/60 Hz  
Power consumption  
On: 90 W  
For details about the power  
consumption during standby mode,  
see "Power Consumption by the  
Setting Value for Each Standby  
Mode" (page 72).  
Dimensions\* (approx.) (w/h/d)  
1,180 mm × 80 mm × 142 mm (without  
grille frame)  
1,180 mm × 80 mm × 145 mm (with  
grille frame)  
\*Not including projection portion  
Mass (approx.)  
8.3 kg (without grille frame)  
8.8 kg (with grille frame)

### 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.

BLUETOOTH technology works with:  
iPhone 7 Plus/iPhone 7/iPhone SE/iPhone  
6s Plus/iPhone 6s/iPhone 6 Plus/  
iPhone 6/iPhone 5s/iPhone 5c/iPhone 5/  
iPhone 4s  
iPod touch (6th generation)/iPod touch  
(5th generation)

## Subwoofer (SA-WST5000)

POWER OUTPUT (reference)  
200 W (at 2 ohms, 100 Hz)  
Speaker system  
Subwoofer speaker system, Passive  
radiator type  
Speaker  
180 mm cone type  
200 mm × 300 mm cone type, Passive  
radiator  
Power requirements  
220 V - 240 V AC, 50 Hz/60 Hz  
Power consumption  
On: 30 W  
Standby mode: 0.5 W or less  
Dimensions (approx.) (w/h/d)  
248 mm × 403 mm × 426 mm (not  
including projection portion)  
Mass (approx.)  
14.5 kg

## Wireless transmitter/ receiver section

Communication system  
Wireless Sound Specification version  
3.0  
Frequency band  
5.2 GHz (5.180 GHz - 5.240 GHz)  
5.8 GHz (5.736 GHz - 5.814 GHz)  
Modulation method  
DSSS  
Design and specifications are subject to  
change without notice.

## Power Consumption by the Setting Value for Each Standby Mode

Standby mode	Default setting	Setting value	
[Bluetooth Standby] (page 55)	[On]	[Off]	[On]
[Quick Start/Network Standby] (page 57)	[Off]	[Off]	[On]
<b>Power consumption</b>	<b>Less than 2 W</b>	<b>Less than 0.5 W</b>	<b>Less than 7 W</b>

### Notes

- Wi-Fi port and Ethernet port of the system have router function which can forward audio data to some other Sony audio product.
- When [Quick Start/Network Standby] is set to [Off], the wireless LAN function is disabled in standby mode.
- When [Bluetooth Mode] is set to [Off], the BLUETOOTH function is disabled.



# Playable Types of Files

## Music

Codec	Extension
<b>MP3 (MPEG-1 Audio Layer III)<sup>1)</sup></b>	.mp3
<b>AAC/HE-AAC<sup>1),2)</sup></b>	.m4a, .aac <sup>3)</sup> , .mp4, .3gp
<b>WMA9 Standard<sup>2)</sup></b>	.wma
<b>WMA10 Pro<sup>4)</sup></b>	.wma
<b>LPCM<sup>1)</sup></b>	.wav
<b>FLAC<sup>2)</sup></b>	.flac, .fla
<b>Dolby Digital<sup>1),3)</sup></b>	.ac3
<b>DSF<sup>2)</sup></b>	.dsf
<b>DSDIFF<sup>2),5)</sup></b>	.dff
<b>AIFF<sup>2)</sup></b>	.aiff, .aif
<b>ALAC<sup>2)</sup></b>	.m4a
<b>Vorbis</b>	.ogg
<b>Monkey's Audio</b>	.ape

- 1) The system can play ".mka" files. These files cannot be played on a home network server.
- 2) The system may not play this file format on a home network server.
- 3) The system does not play this file format on a home network server.
- 4) The system does not play Lossless coded files.
- 5) The system does not play DST encoded files.

### Notes

- Some files may not play depending on the file format, the file encoding, the recording condition, or the home network server condition.
- Some files edited on a PC may not play.
- Fast forward or fast reverse may not be available with some files.
- The system does not play coded files such as DRM.
- The system can recognize the following files or folders in USB devices:
  - up to folders in the 9th layer (including the root folder)

- up to 500 files/folders in a single layer
- The system can recognize the following files or folders stored in the home network server:
  - up to folders in the 19th layer
  - up to 999 files/folders in a single layer
- Some USB devices may not work with this system.
- The system can recognize Mass Storage Class (MSC) devices (such as flash memory or an HDD) and 101-key keyboards.

# Supported Input Audio Formats

Audio formats supported by this system are as follows.

Format	Function		
	"HDMI1" "HDMI2" "HDMI3"	"TV" (ARC)	"TV" (OPT)
LPCM 2ch	○	○	○
LPCM 5.1ch	○	–	–
LPCM 7.1ch	○	–	–
Dolby Digital	○	○	○
Dolby TrueHD	○	–	–
Dolby Digital Plus	○	○	–
Dolby Atmos - Dolby TrueHD	○	–	–
Dolby Atmos - Dolby Digital Plus	○	○	–

○: Supported format.

–: Unsupported format.

## Notes

- The HDMI IN 1/2/3 jacks do not support audio format that contains copy protections, such as Super Audio CD or DVD-Audio.
- The system does not support DTS and DSD.

# Supported HDMI Video Formats

Video formats supported by this system are as follows.

Resolution	Frame Rate	3D	Color Space	Color Depth	[HDMI Signal Format] setting
4K 4096 × 2160p 3840 × 2160p	50/59.94/60 Hz	–	RGB 4:4:4 YCbCr 4:4:4	8 bit	[Enhanced format] <sup>1)</sup>
		–	YCbCr 4:2:2	8/10/12 bit	
		–	YCbCr 4:2:0	10/12 bit	
	23.98/24/25/29.97/30 Hz	–	RGB 4:4:4 YCbCr 4:4:4	10/12 bit	
4K 4096 × 2160p 3840 × 2160p	50/59.94/60 Hz	–	YCbCr 4:2:0	8 bit	[Standard format] <sup>2)</sup>
	23.98/24/25/29.97/30 Hz	–	RGB 4:4:4 YCbCr 4:4:4	8 bit	
		–	YCbCr 4:2:2	8/10/12 bit	
1920 × 1080p	50/59.94/60 Hz	○	RGB 4:4:4 YCbCr 4:4:4 YCbCr 4:2:2	8/10/12 bit	
	23.98/24/25/29.97/30 Hz	◉			
1920 × 1080i	50/59.94/60 Hz	◉			
1280 × 720p	50/59.94/60 Hz	◉			
	23.98/24/29.97/30 Hz	◉			
720 × 480p	59.94/60 Hz	–			
720 × 576p	50 Hz	–			
640 × 480p	59.94/60 Hz	–			RGB 4:4:4

○: Compatible with 3D signal in Side-by-Side (Half) and Over-Under (Top-and-Bottom) format

◎: Compatible with 3D signal in Frame packing, Side-by-Side (Half), and Over-Under (Top-and-Bottom) format

1) Use a Premium High Speed HDMI Cable with Ethernet that supports 18Gbps.

2) Use a Premium High Speed HDMI Cable with Ethernet or Sony High Speed HDMI Cable with Ethernet with the Cable Type Logo.

## Notes on HDMI Jack and HDMI Connections

- Use an HDMI-authorized cable.
- We do not recommend using an HDMI-DVI conversion cable.
- Audio signals (sampling frequency, bit length, etc.) transmitted from an HDMI jack may be suppressed by the connected device.
- Sound may be interrupted when the sampling frequency or the number of channels of audio output signals from the playback device is switched.
- When [TV] input is selected, video signals via one of the HDMI IN 1/2/3 jacks selected last time are output from the HDMI OUT (ARC) jack.

- This system supports "TRILUMINOS."
- All HDMI IN and HDMI OUT jacks support bandwidth up to 18Gbps, HDCP 2.2<sup>1)</sup>, BT.2020 wide color spaces<sup>2)</sup>, and HDR (High Dynamic Range)<sup>3)</sup> contents pass-through.
  - <sup>1)</sup> HDCP 2.2 is newly enhanced copyright protection technology that is used to protect content such as 4K movies.
  - <sup>2)</sup> BT.2020 color space is new wider color standard that is defined for ultra-high definition television systems.
  - <sup>3)</sup> HDR is an emerging video format that can display a wider range of brightness levels.

## On BLUETOOTH Communication

- BLUETOOTH devices should be used within approximately 10 meters (33 feet) (unobstructed distance) of each other. The effective communication range may become shorter under the following conditions.
  - When a person, metal object, wall or other obstruction is between the devices with a BLUETOOTH connection
  - Locations where a wireless LAN is installed
  - Around microwave ovens that are in use
  - Locations where other electromagnetic waves occur
- BLUETOOTH devices and wireless LAN (IEEE 802.11 b/g/n) use the same frequency band (2.4 GHz). When using your BLUETOOTH device near a device with wireless LAN capability, electromagnetic interference may occur. This could result in lower data transfer rates, noise, or inability to connect. If this happens, try the following remedies:
  - Use this system at least 10 meters (33 feet) away from the wireless LAN device.
  - Turn off the power to the wireless LAN device when using your BLUETOOTH device within 10 meters (33 feet).
  - Install this system and BLUETOOTH device as closer to each other as possible.
- The radio waves broadcast by this system may interfere with the operation of some medical devices. Since this interference may result in malfunction, always turn off the power on this system and BLUETOOTH device in the following locations:
  - In hospitals, on trains, in airplanes, at gas stations, and any place where flammable gasses may be present
  - Near automatic doors or fire alarms
- This system supports security functions that comply with the BLUETOOTH specification to ensure secure connection

during communication using BLUETOOTH technology. However, this security may be insufficient depending on the setting content and other factors, so always be careful when performing communication using BLUETOOTH technology.

- Sony cannot be held liable in any way for damages or other loss resulting from information leaks during communication using BLUETOOTH technology.
- BLUETOOTH communication is not necessarily guaranteed with all BLUETOOTH devices that have the same profile as this system.
- BLUETOOTH devices connected with this system must comply with the BLUETOOTH specification prescribed by the Bluetooth SIG, Inc., and must be certified to comply. However, even when a device complies with the BLUETOOTH specification, there may be cases where the characteristics or specifications of the BLUETOOTH device make it impossible to connect, or may result in different control methods, display or operation.
- Noise may occur or the audio may cut off depending on the BLUETOOTH device connected with this system, the communications environment, or surrounding conditions.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

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## **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 main unit and 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 main unit.
- 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.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the wall outlet (mains) only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- AC power cord (mains lead) must be changed only at a 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 high volume, the system temperature at the rear and bottom rises considerably. To avoid burning yourself, do not touch the system.

### **On placement**

- 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 main unit and subwoofer that might block

the ventilation holes and cause malfunctions.

- Do not place metal objects other than a TV around the system. Wireless functions may be unstable.
- If the system is being used in combination with a TV, VCR, or tape deck, noise may result and picture quality may suffer. In such a case, place the system away from the TV, VCR, or tape deck.
- Use caution when placing the system on a surface that has been specially treated (with wax, oil, polish, etc.), as staining or discoloration of the surface may result.
- Take care to avoid any possible injury from the corners of the main unit and subwoofer.
- Keep 3 cm or more space under the main unit when you hang it on a wall.
- The speakers of this system are not of magnetically shielded type. Do not place magnetic cards on the system or near it.

### On handling the subwoofer

Do not place your hand into the slit of the subwoofer when lifting it. The speaker driver may be damaged. When lifting it, hold the bottom of the subwoofer.

### On operation

Before connecting other devices, be sure to turn off and unplug the system.

### If you encounter color irregularity on a nearby TV screen

Color irregularities may 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.

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### Notes on updating

This system allows you to update the software automatically when connected to the Internet via a wired or wireless network.

You can add new features and use the system with more convenience and safety by updating the system.

If you do not want to update automatically, you can disable the function by using Sony | Music Center installed on your smartphone or tablet. However, the system may update the software automatically for reasons such as safety, even if this function is disabled. You can also update the software using the settings menu when this function is disabled. See "Using the Setup Display" (page 53) for details.

You may not use the system while the software is being updated.

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\* excluding DSD format contents

\*\*in comparison with SBC (Subband Coding) when the bitrate of 990 kbps (96/48 kHz) or 909 kbps (88.2/44.1 kHz) is selected

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The software of this system may be updated in the future. To find out details on any available updates, please visit the following URL.  
[www.sony.eu/support](http://www.sony.eu/support)

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