SONY

Sound Bar

Operating Instructions

HT-ZF9

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.

CAUTION
Risk of explosion if the battery is replaced by an incorrect type.
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 Bar Speaker

The nameplate is located on the bottom of the Bar Speaker.

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.
EU Importer: Sony Europe Limited.
Inquiries to the EU Importer or related to product compliance in Europe should be sent to the manufacturer's authorized representative, Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium.

Hereby, Sony Corporation declares that this equipment is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
http://www.compliance.sony.de/

For this radio equipment, the following restrictions on putting into service or of requirements for authorisation of use apply in BE, BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, RO, SI, SK, FI, SE, UK, IS, LI, NO, CH, AL, BA, MK, MD, RS, ME, XK, TR:
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.

This radio equipment is intended to be used with the approved version(s) of software that are indicated in the EU Declaration of Conformity. The software

loaded on this radio equipment is verified to comply with the essential requirements of the Directive 2014/53/EU.
The software version can be found via: Refer to [System Information] under [Setup] - [Advanced Settings] - [System Settings].

Internet Connection and IP address

Technical data such as IP address [or device details] is used when this product is connected to the internet for software update or receiving third party services. For software updates, these technical data may be communicated to our update servers in order to provide you with the software update appropriate to your device. If you do not want such technical data be used at all, do not set-up the wireless internet function and do not connect an internet cable.

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

This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbol for lead (Pb) is added if the battery contains more than 0.004% lead. By ensuring that these products and batteries are disposed of correctly, you will help to prevent potentially negative consequences for the environment and human health which could be caused by inappropriate waste handling. 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 and the electrical and electronic equipment will be treated properly, hand over these products at end-of-life to the appropriate 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 appropriate 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 or battery.

Caution for mounting the Bar Speaker on a wall

Make sure to use the supplied wall mounting brackets when mounting the Bar Speaker on a wall.

Make sure to use the supplied wall mounting brackets when mounting the Bar Speaker on a wall. Do not mount the Bar Speaker on a wall directly. The temperature inside of the Bar Speaker rises considerably, and it may cause damage or malfunction.

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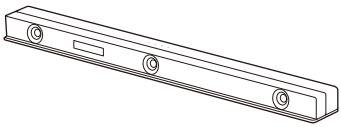
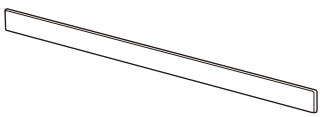
What's in the Box

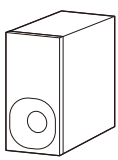
- Bar Speaker (1)



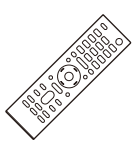
- Grille frame (1)



- Subwoofer (1)

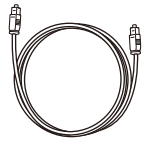


- Remote control (1)

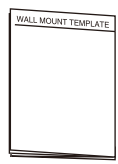


- R03 (size AAA) battery (2)

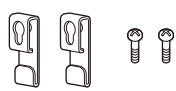
- Optical digital cable (1)



- WALL MOUNT TEMPLATE (1)



- Wall mounting bracket (2), Screw (2)

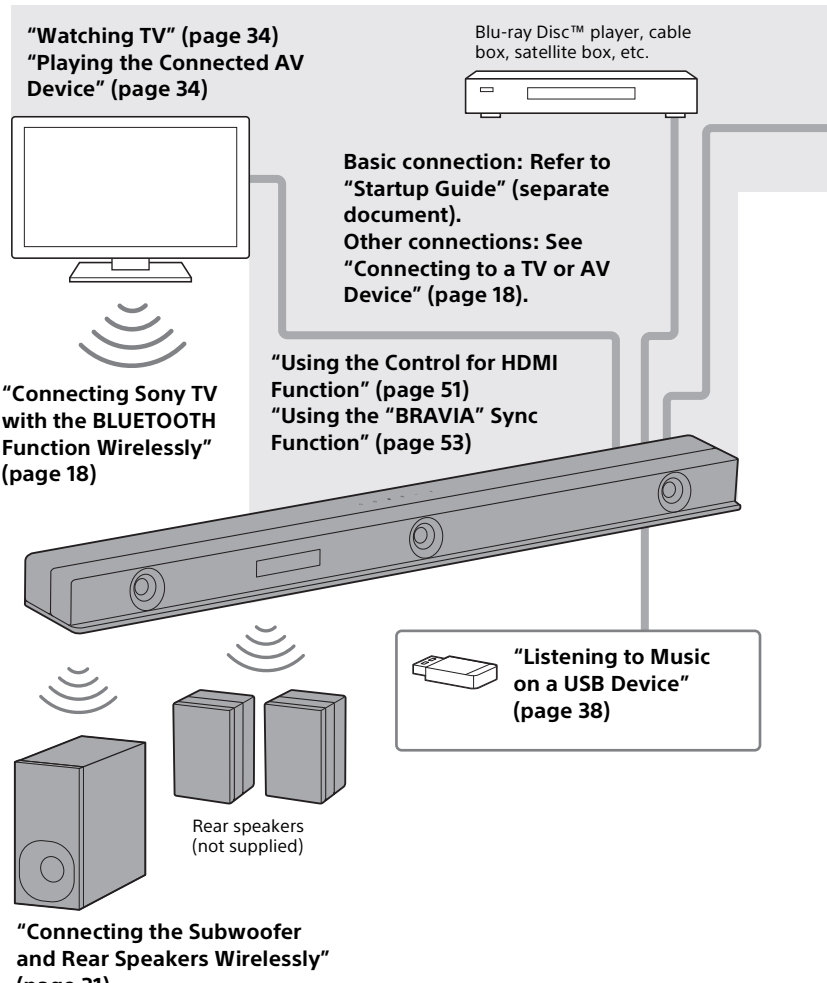


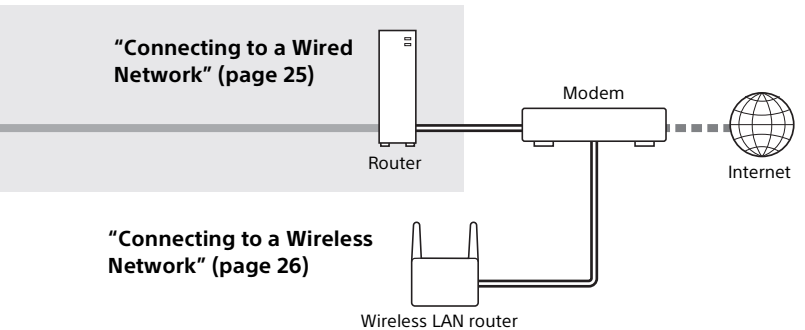
- Startup Guide

- Operating Instructions

What You Can Do with the System

The system supports object-based audio formats such as Dolby Atmos and DTS:X as well as HDR video formats such as HDR10, HLG, and Dolby Vision.

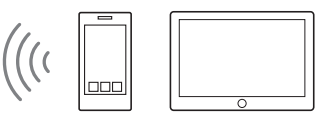




“Connecting to a Wired Network” (page 25)

“Connecting to a Wireless Network” (page 26)

“Listening to Music on your PC via a Home Network” (page 39)



“Listening to Music/Sound with the BLUETOOTH® Function” (page 36)
“Listening to Music on the Mobile Device with Sony | Music Center” (page 42)

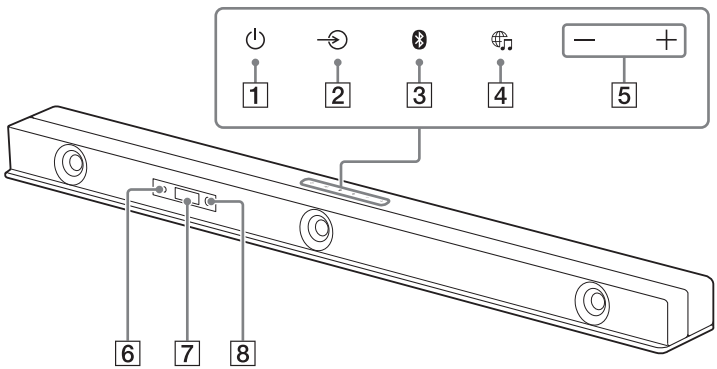
“Listening to Sound of the Connected TV or Device from Headphones” (page 43)

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**
Selects the input for playback on the system.

3 **BLUETOOTH button (page 36)**

4 **(MUSIC SERVICE) button**
This button does not work. It will be available after the software update.
This button may not be available in some countries/regions.

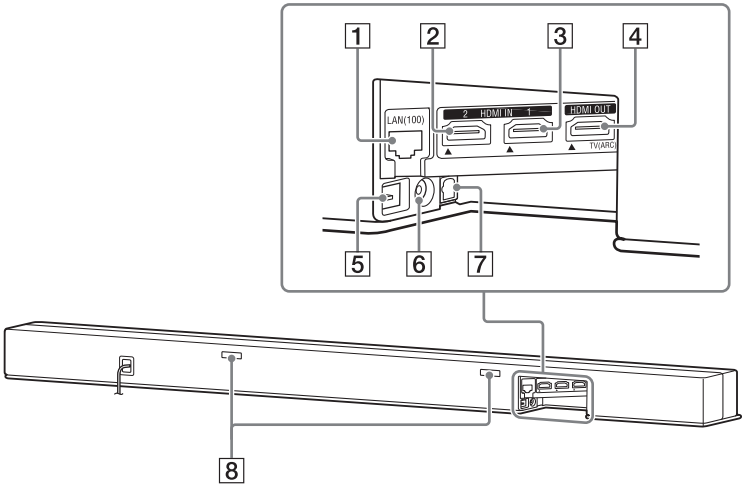
5 **+/– (volume) buttons**

6 **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.

7 **Front panel display**

8 **Remote control sensor**
Point the remote control at the remote control sensor to operate the system.

Rear



1 **LAN(100) port**

2 **HDMI IN 2 jack**
For specifications and notes on connections, see “Supported HDMI Video Formats” (page 78).

3 **HDMI IN 1 jack**
For specifications and notes on connections, see “Supported HDMI Video Formats” (page 78).

4 **HDMI OUT (TV (ARC)) jack**
Connect a TV that has an HDMI input jack with an HDMI cable. The system is compatible with Audio Return Channel (ARC). ARC is the function that sends TV sound to an AV device such as the system from the TV’s HDMI jack. For specifications and notes on connections, see “Supported HDMI Video Formats” (page 78).

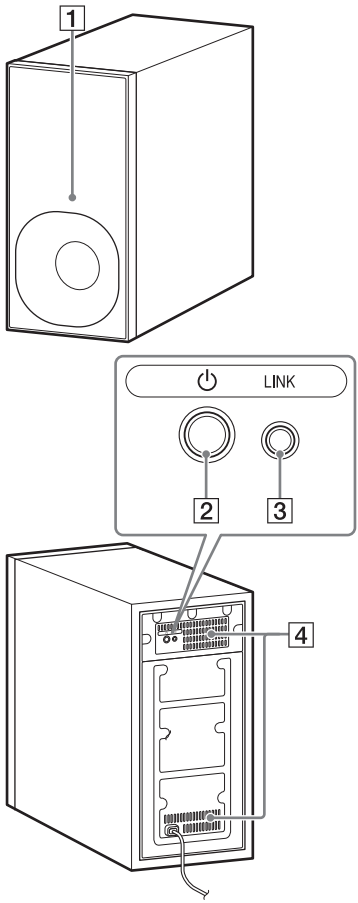
5 **(USB) port (page 38)**

6 **ANALOG IN jack**

7 **TV IN (OPT) jack**

8 **IR repeater (page 33)**
Transmits the remote signal of the TV remote control to the TV.

Subwoofer



1 Power indicator

- Flashes slowly in green: The subwoofer is not connected to the system.
- Lights in green: The subwoofer is connected to the system.
- Flashes twice repeatedly in green: The subwoofer is attempting to connect to the system.
- Flashes/lights in orange: The software is updating.
- Lights in red: The subwoofer is in standby mode.
- Turns off: The subwoofer is turned off.

2 ⏻ (power) button

Turns on or off the subwoofer.

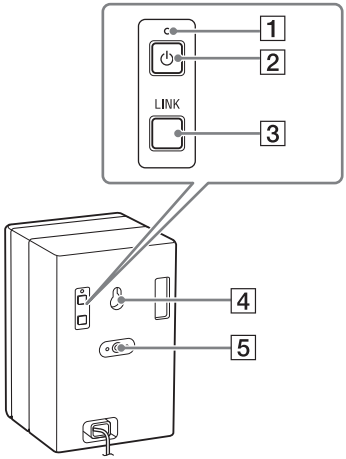
3 LINK button (page 32)

4 Ventilation holes

For safety, do not block the ventilation holes.

Rear Speaker (SA-Z9R) (not supplied)

You can enjoy the surround sound by connecting two rear speakers (not supplied).
For connecting, see "Connecting the Subwoofer and Rear Speakers Wirelessly" (page 31).



1 Power indicator

- Flashes slowly in green: The rear speaker is not connected to the system.
- Lights in green: The rear speaker is connected to the system.
- Flashes twice repeatedly in green: The rear speaker is attempting to connect to the system.
- Flashes/lights in orange: The software is updating.
- Lights in red: The rear speaker is in standby mode.
- Turns off: The rear speaker is turned off.

2 ⏻ (power) button

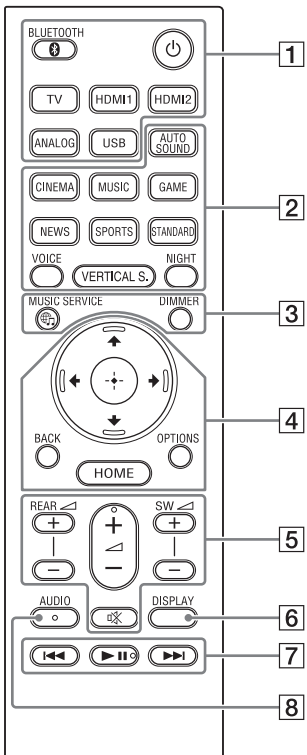
Turns on or off the rear speaker.

3 LINK button (page 32)

4 Wall mount hole (page 30)

5 Mounting hole for the general speaker stand

Remote Control



1 **⏻ (power)**

Turns on the system or sets it to standby mode.

BLUETOOTH (page 37)

TV (page 34)

HDMI1 (page 34)

HDMI2 (page 34)

ANALOG (page 40)

USB (page 38)

2 **AUTO SOUND (page 46)**

CINEMA (page 46)

MUSIC (page 46)

GAME (page 46)

NEWS (page 46)

SPORTS (page 46)

STANDARD (page 46)

VOICE (page 47)

VERTICAL S. (page 45)

NIGHT (page 47)

3 **DIMMER (page 55)**

(MUSIC SERVICE) button

This button does not work. It will be available after the software update.
This button may not be available in some countries/regions.

4 **↑/↓/←/→ (page 16)**

⊕ (enter) (page 16)

BACK (page 16)

OPTIONS (page 34, 48)

Displays the options menu on the TV screen.
The options menu is not displayed for the TV input.

HOME (page 16)

5 **REAR ◿ (rear speakers volume) +/–**

Adjusts the volume of the rear speakers when connecting rear speakers (not supplied).

◿ (volume) +*/–

Adjusts the volume.

SW ◿ (subwoofer volume) +/–

Adjusts the volume of the subwoofer.

🔇 (muting)

Turns off the sound temporarily.

6 **DISPLAY**

Displays playback information on the TV screen.
Playback information is not displayed for the TV input.

7 **Playback operation buttons**

⏮/⏭ (previous/next)

Selects the previous/next track or file.
Pressing and holding searches backward or forward (rewind/fast forward) during playback.

►II (play/pause)*

Starts, pauses, or re-starts playback (resume play).

8 **AUDIO* (page 50)**

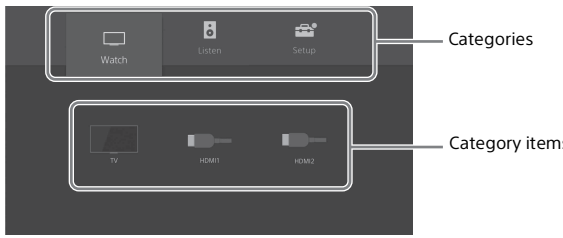
* The AUDIO, ►II, and ◿ + buttons have a tactile dot. Use it as a guide during operation.

About the replacement of batteries for the remote control

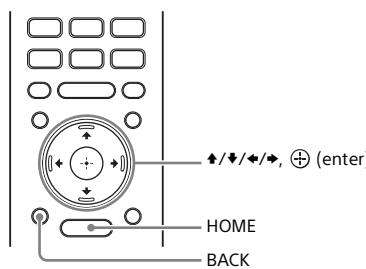
When the system does not respond by operating with the remote control, replace two batteries with new batteries.
Use R03 (size AAA) manganese batteries for replacement.

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 and select the input.
The home menu is displayed in the language that is selected in [Easy Setup]. (The following screen is an example when English is selected.)



Using the Home Menu



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

2 **Press ↑/←/→ to select the category that you want, then press ↓ or ⊕.**
The items for the selected category appear under the category list on the TV screen.

3 **Press ↑/↓/←/→ to select the item that you want, then press ⊕.**
The selected input or setting display appears on the TV screen.
To return to the previous screen, press BACK.

[Watch]
Selects the input of the TV or AV device that is connected to the system.
See “Watching Images” (page 34).

[Listen]

Selects the input of the audio device that is connected to the system or music service for playing back on the system.
See “Listening to Music/Sound” (page 36).

[Setup]

Performs the basic initial settings by using [Easy Setup] or various advanced settings of the system.
See “Performing Easy Setup” (page 56) or “Performing Advanced Settings” (page 57).
If the system detects update information for the system on the network, the update notification and [Software Update] that performs the software update appears. See “Updating the Software” (page 62).

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] - [Advanced Settings] on the home menu.
The operation that selects a category and category item by pressing ↑/↓/←/→ and ⊕ is expressed as “select.” The category and category item are linked with “-.”

Example: Select [Speaker Settings] - [Manual Speaker Settings].
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.

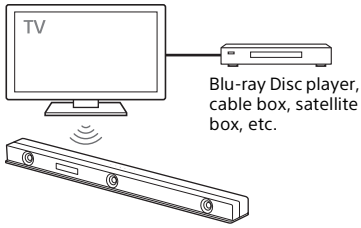
Connecting to a TV or AV Device with the HDMI Cable

Refer to Startup Guide (separate document).
For the connection to a 4K TV or 4K Devices, see "Connecting a 4K TV and 4K Devices" (page 22)

Connecting Sony TV with the BLUETOOTH Function Wirelessly

When using Sony TV* with the BLUETOOTH function, you can listen to sound of the TV or device that is connected to the TV by connecting the system and TV wirelessly.

* The TV needs to be compatible with A2DP (Advanced Audio Distribution Profile) of the BLUETOOTH profile.

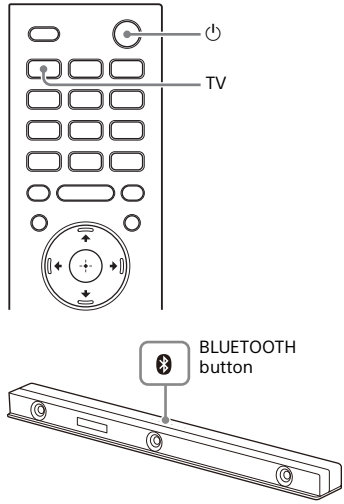


Notes

- If connecting the system and TV by using the BLUETOOTH function, you cannot display the operation screen for the system such as the home menu on the TV screen, and use the function of the system other than the listening function for the sound of the TV or device that is connected to the TV.
  To use all the functions of the system, connect the system and TV with the HDMI cable (not supplied). For details about connections and operations to listen to TV sound by connecting with the HDMI cable, refer to Startup Guide (separate document).
- This function is available only for Sony TV that is compatible with BLUETOOTH A2DP.

Listening to TV Sound by Connecting the System and TV Wirelessly

To connect the system and TV wirelessly, you need to perform pairing of the system and TV by using the BLUETOOTH function.
Pairing is the process required to mutually register the information on BLUETOOTH devices to be connected wirelessly in advance.



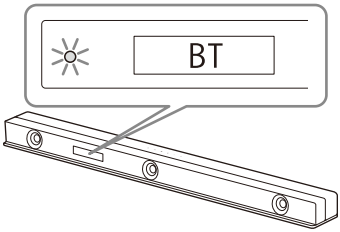
1 **Set up the remote control.**

2 **Turn on the TV.**

3 **Turn on the system.**

4 **Press and hold the BLUETOOTH button on the main unit and TV on the remote control simultaneously for 5 seconds.**

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



5 **On the TV, search the system by performing the pairing operation.**

The list of the BLUETOOTH devices that are searched appears on the TV screen.
For the operation method to pair the BLUETOOTH device to the TV, refer to the operating instructions of the TV.

6 **Pair the system and TV by selecting "HT-ZF9" from the list on the TV screen.**

7 **Make sure that the BLUETOOTH indicator on the main unit lights in blue and "TV (BT)" appears in the front panel display.**

A connection between the system and TV has been established.

8 **Select the program or input of the device by using the TV remote control.**

The sound of the displayed image on the TV screen is output from the system.

9 **Adjust the volume of the system by using the TV remote control.**

When pressing the muting button on the TV remote control, the sound is muted temporarily.

Notes

- If the TV sound is not output from the system, press TV and check the status of the front panel display and indicators on the Bar Speaker.
  - "TV (BT)" appears in the front panel display: The system and TV are connected and TV sound is output from the system.
  - The BLUETOOTH indicator flashes quickly and "BT" appears in the front panel display: Perform pairing on the TV.
  - "TV" appears in the front panel display: Perform steps from the start.
- When you connect the system and TV with the HDMI cable (not supplied), the BLUETOOTH connection is canceled. To connect the system and TV with the BLUETOOTH function again, disconnect the HDMI cable, then perform the connecting operation from the start.

Listening to Sound of the Paired TV

You can turn the system on/off, adjust the volume, and mute the sound by using the TV remote control when connecting the TV to the system wirelessly.

1 **Turn the TV on with the TV remote control.**

The system is turned on by interlocking with the TV power, and TV sound is output from the system.

2 **Select the program or input of the device by using the TV remote control.**

The sound of the displayed image on the TV screen is output from the system.

3 **Adjust the volume of the system by using the TV remote control.**

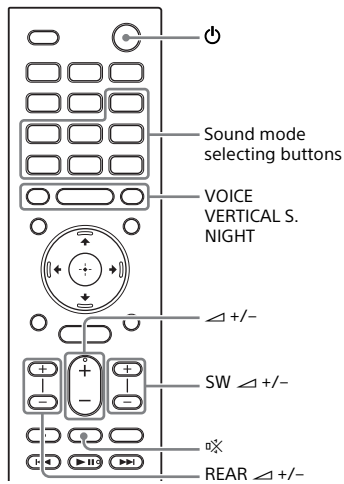
When pressing the muting button on the TV remote control, the sound is muted temporarily.

Tip

When the TV is turned off, the system is also turned off by interlocking with the TV power.

About operations with the remote control that is supplied with the system

You can use the following buttons. You can adjust the volume of the subwoofer and rear speakers, and adjust sound quality in addition to turning the system on/off and adjusting volume that can be operated by the TV remote control.



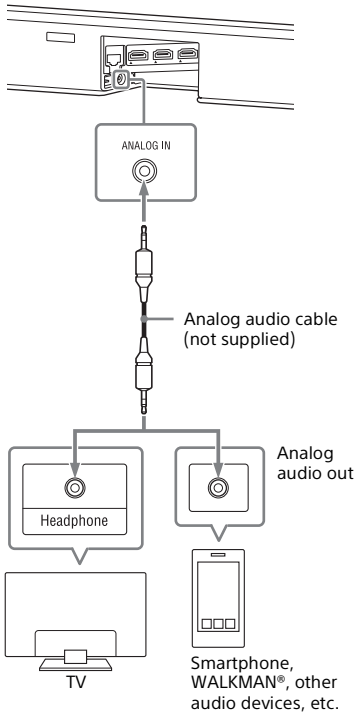
Notes

- If you select the input other than TV on the remote control supplied with the system, the TV sound is not output from the system. To output the TV sound, press TV on the remote control to change to the TV input.
- During the connecting the TV with the BLUETOOTH function, the following remote control buttons do not work. ↑/↓/←/→, ⊕ (enter), OPTIONS, HOME, DISPLAY, ►II (play/pause), I◄◄/►►I (previous/next)

Connecting a TV with an Analog Audio Cable

To connect the following devices to the system, connect them via the ANALOG IN jack on the system.
– TVs that do not have an HDMI jack and optical digital output jack
– Portable audio devices such as smartphones and WALKMAN®

For listening to the connected device, see “Listening to the Device Connected with an Analog Audio Cable” (page 40).



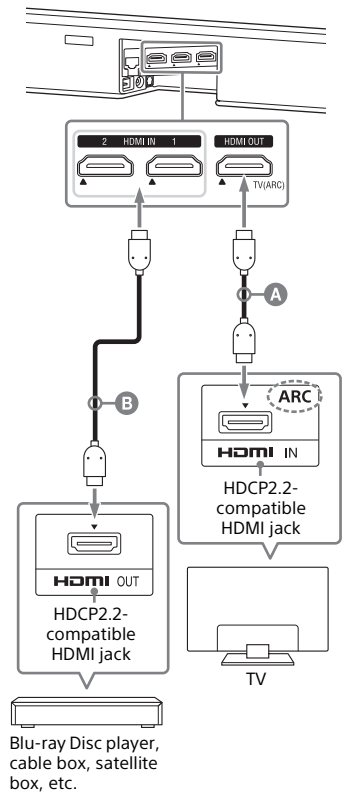
Note

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 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.

When an HDCP2.2-Compatible HDMI Jack on the TV is Labeled with "ARC"



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 78).

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).**

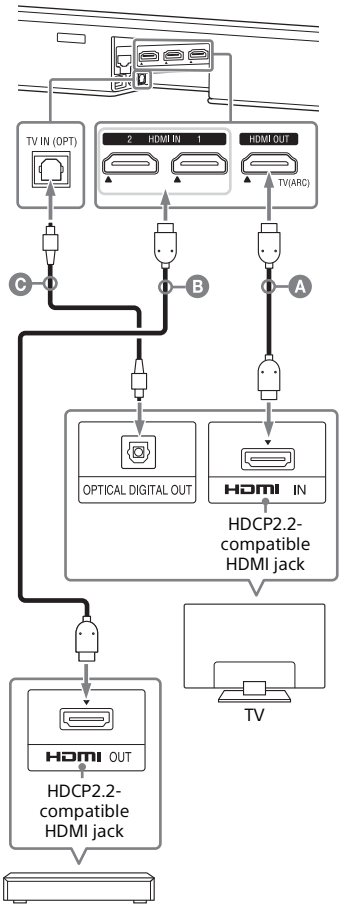
TV connection is complete.

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 complete.

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).



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

Ⓐ **HDMI cable (not supplied)**
Ⓑ **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 78).
Ⓒ **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] - [Advanced Settings] on the home menu.**

3 **Select [HDMI Settings] - [HDMI Signal Format].**

The [HDMI Signal Format] screen appears on the TV screen.

4 **Select [HDMI IN 1]/[HDMI IN 2] (select the input that you want to change the setting of), then 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 78).

Notes

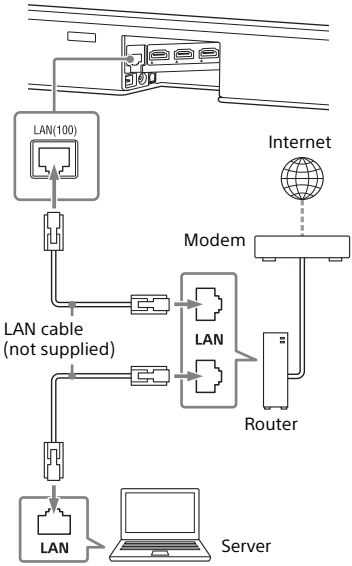
- Depending on the TV, the TV setting for HDMI output may be required. Refer to the operating instructions of the TV.
- When the picture is not displayed after [HDMI Signal Format] is set to [Enhanced format], set it to [Standard format].

Connecting 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] - [Advanced Settings] on the home menu.**
3. **Select [Network Settings] - [Internet Settings] - [Wired LAN Settings].**
4. **Select [Auto].**
   The system starts network settings and the network setting status appears.
   Press ↑/↓ to browse information, and then press →.
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] - [Advanced Settings] on the home menu.**
3. **Select [Network Settings] - [Internet Settings] - [Wired LAN Settings].**
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.

Note

If you select IPv6, you cannot use a fixed IP address.

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] - [Advanced Settings] on the home menu.**

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

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

4 **Select [Wi-Fi Protected Setup™ (WPS)].**

5 **Select [Start].**

6 **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] - [Advanced Settings] on the home menu.**
3. **Select [Network Settings] - [Internet Settings] - [Wireless LAN Settings].**
   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

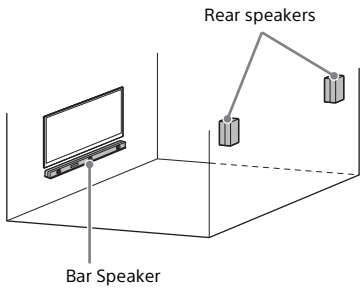
Select [New connection registration] in step 4 of "Connecting by Selecting the Network Name (SSID)" and select [(WPS) PIN method].

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 Bar Speaker or Rear Speaker on a Wall

You can mount the Bar Speaker or rear speakers on a wall.

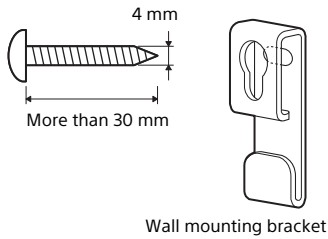


Notes

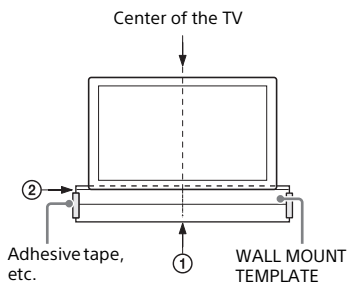
- Prepare screws (not supplied) that are suitable for the wall material and strength. As a plasterboard wall is especially fragile, attach the screws securely in the wall beam. Install the speakers horizontally, hung by screws in studs in a continuous flat section of the wall.
- Have the installation 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.

Mounting the Bar Speaker on a Wall

1 Prepare two screws (not supplied) that are suitable for the hole on the wall mounting bracket (supplied).



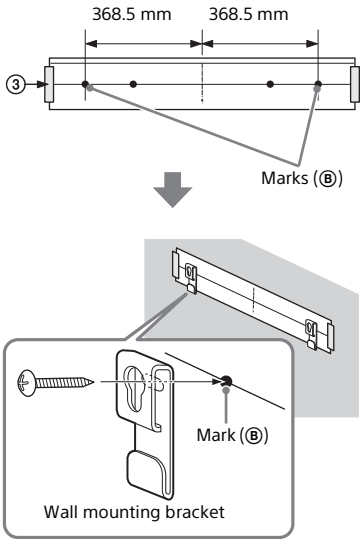
2 Stick WALL MOUNT TEMPLATE (supplied) on a wall.



1 Align TV CENTER LINE (①) of WALL MOUNT TEMPLATE with the center line of your TV.

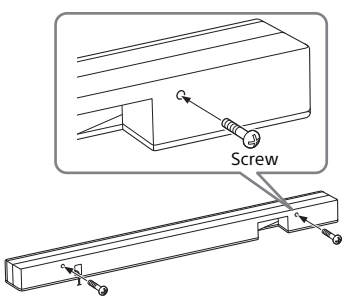
2 Align TV BOTTOM LINE (②) of WALL MOUNT TEMPLATE with the bottom of your TV, then stick WALL MOUNT TEMPLATE on a wall by using a commercially available adhesive tape, etc.

3 **Fasten the wall mounting brackets (supplied) securely with screws (not supplied) into the marks (Ⓑ) on SCREW LINE (③) of WALL MOUNT TEMPLATE as in the illustration below.**



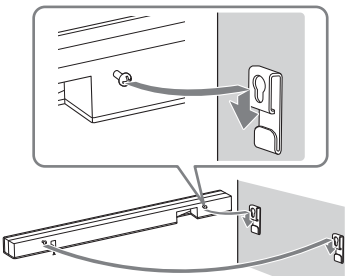
4 **Remove WALL MOUNT TEMPLATE.**

5 **Fasten the screws (supplied) securely on the rear of the Bar Speaker not to loosen the screws.**



6 **Hang the attached screws on the wall mounting brackets.**

Align the screws on the rear of the Bar Speaker with the holes of the wall mounting brackets, then hang the Bar Speaker on the wall mounting brackets.

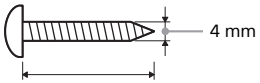


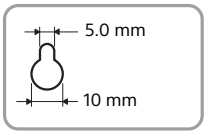
Notes

- When sticking WALL MOUNT TEMPLATE, smooth it out fully.
- If the positions of the screws on the rear of the Bar Speaker and holes of the wall mounting bracket do not align, adjust the left-right position of the wall mounting bracket finely.
- Make sure to use the supplied wall mounting brackets when mounting the Bar Speaker on a wall. Do not mount the Bar Speaker on a wall directly. The temperature inside of the Bar Speaker rises considerably, and it may cause damage or malfunction.
- When you do not use WALL MOUNT TEMPLATE, install the Bar Speaker apart from the TV by 70 mm or more.

Mounting the Rear Speaker on a Wall

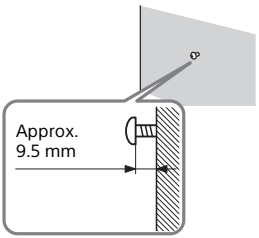
1 **Prepare a screw (not supplied) that is suitable for the wall mount hole on the rear of the rear speaker.**





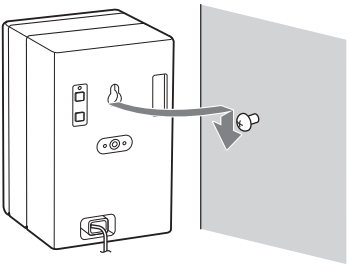
Hole on the rear of the rear speaker

2 **Fasten the screw in the wall.**



3 **Hang the rear speaker by confirming the right/left of the rear speaker.**

Check the label on the rear of the rear speaker. “REAR R” is for the right, “REAR L” is for the left.

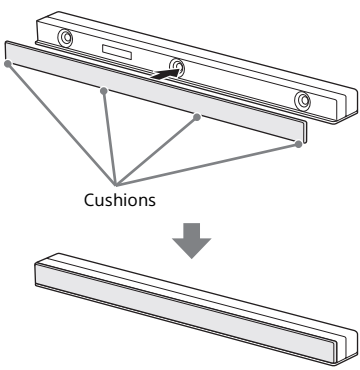


Attaching the Grille Frame

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.

Attach it with the cushions of the grille frame on the bottom.



Tip

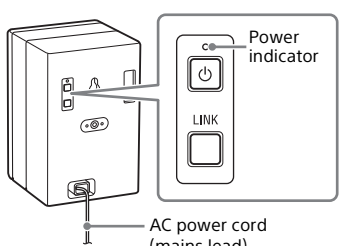
The grille frame is fixed by a magnet.

Connecting the Subwoofer and Rear Speakers Wirelessly

The subwoofer and rear speakers are connected to the system automatically when they are turned on.
For details, refer to Startup Guide (separate document) for the subwoofer connection, or see the following steps for the rear speakers connection.

Adding the Rear Speakers

You can enjoy the surround sound by connecting optional two rear speakers. Perform the following steps for each rear speaker.



1 **Connect the AC power cord (mains lead).**

The rear speaker is turned on and connected to the system wirelessly.

2 **Make sure that the power indicator on the rear speaker lights in green.**

When the power indicator lights in green, the connection of the system and rear speaker is established.
If the connection is not established, connect the rear speaker to the system manually by referring to

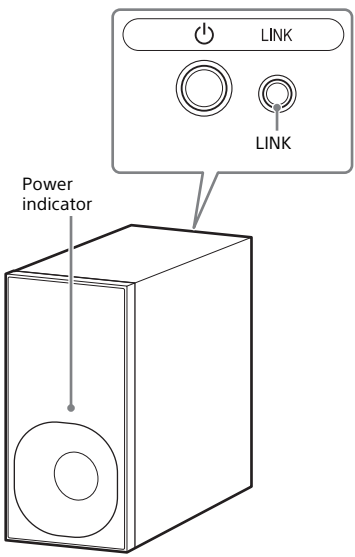
"Connecting the Subwoofer or Rear Speakers Manually" (page 32).

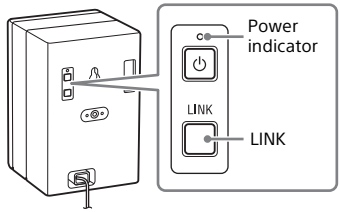
3 **Install the rear speaker by confirming the right/left of the rear speaker.**

Check the label on the rear of the rear speaker. "REAR R" is for the right, "REAR L" is for the left.

Connecting the Subwoofer or Rear Speakers Manually

If you cannot connect the subwoofer or optional rear speakers to the system, or you use multiple wireless products and want to specify the wireless connection to link the system to the subwoofer and rear speakers, perform the manual connection.





1 **Press HOME.**

The home menu appears on the TV screen.

2 **Select [Setup] - [Advanced Settings] on the home menu.**

3 **Select [Speaker Settings] - [Wireless Speaker Settings] - [Start manual linking].**

The [Start manual linking] screen appears on the TV screen.

4 **Press LINK on all the speakers that you use (subwoofer and rear speakers).**

The power indicator of the subwoofer or rear speaker that had LINK pressed flashes twice repeatedly in green.

5 **Select [Start].**

The manual link starts.
The connecting process appears on the TV screen.
To cancel the manual link, select [Cancel].

6 **When [Connected] appears on all the speakers that you use (subwoofer or rear speaker), select [Finish].**

7 **Press ⊕.**

The link is established and the power indicator of the subwoofer or rear speaker lights in green.

Notes

- If you perform [Start manual linking], [Link mode] of [Wireless Speaker Settings] is set to [Manual] automatically (page 58).
- Only the subwoofer or rear speaker that is linked when selecting [Finish] in Step 6 is connected to the system. If you want to connect an additional speaker, perform the manual connection again.

If Wireless Transmission is Unstable

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

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

2 **Select [Setup] - [Advanced Settings] on the home menu.**

3 **Select [Speaker Settings] - [Wireless Speaker Settings] - [RF Channel].**

4 **Select the setting you want.**
- [On] (default setting): Normally select this. The system automatically selects the better channel for transmission. Stronger mode for wireless interference.
- [Off]: The system automatically selects the better channel for transmission.

Notes

- The [On] setting may cause sound drop according to user environment.
- If you change the [RF Channel] setting from [Off] to [On], it may take 1 minute to reconnect.

When the TV Remote Control does not Work

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 TV remote control 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] - [Advanced Settings] on the home menu.**

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 TV remote control 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 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.

Watching TV

1 Press HOME.

The home menu appears on the TV screen.

2 Select [Watch] - [TV] on the home menu.

3 Select the program using the TV 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 +/– on the remote control.
- Adjust the subwoofer volume by pressing SW +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR +/– on the remote control (page 48).

Note

Set the speaker 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] directly by pressing TV on the remote control.

Playing the Connected AV Device

1 Press HOME.

The home menu appears on the TV screen.

2 Select [Watch], then select the input ([HDMI1] or [HDMI2]) on the home menu.

- [HDMI1]: Device that is connected to the HDMI IN 1 jack
- [HDMI2]: Device that is connected to the HDMI IN 2 jack

The image of the selected device appears on the TV screen and the sound is output from the system.

3 Adjust the volume.

- Adjust the volume by pressing +/– on the remote control.
- Adjust the subwoofer volume by pressing SW +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR +/– on the remote control (page 48).

Tip

You can select [HDMI1] or [HDMI2] directly by pressing HDMI1 or HDMI2 on the remote control.

To adjust the dialog volume while streaming the DTS:X contents

By adjusting the dialog volume, you can easily listen to dialog since it stands out from the ambient noise. This function does not work on some audio formats.

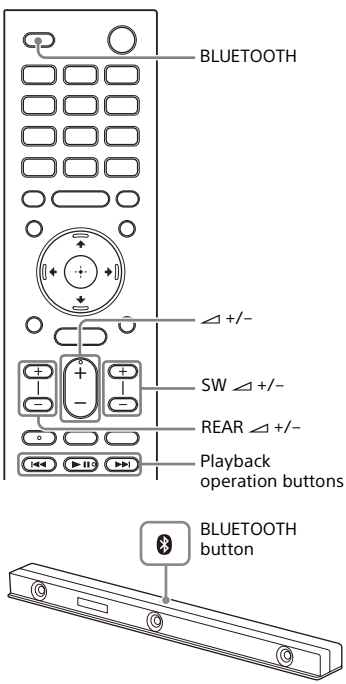
1 While selecting [HDMI1] or [HDMI2], press OPTIONS.
The options menu appears on the TV screen.

2 Select [Dialog Control], then adjust the dialog volume with ↑/↓.

You can adjust from 0 dB to 6 dB in 1 dB increments.

Listening to Music/ Sound with the BLUETOOTH® Function

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 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.

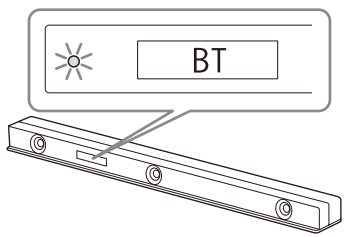


Listening to Music by Pairing the Mobile Device that is Connected for the First Time

To use the BLUETOOTH function, you need to perform pairing of the system and mobile device in advance.

1 **Press and hold BLUETOOTH on the main unit for 2 seconds.**

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



2 **On the mobile device, search the system by performing the pairing operation.**

The list of the BLUETOOTH devices that are searched appears on the screen of the mobile device.
For the operation method to pair the BLUETOOTH device to the mobile device, refer to the operating instructions of the mobile device.

3 **Pair the system and mobile device by selecting “HT-ZF9” from the list on the screen of the mobile device.**

If a Passkey is requested, enter “0000.”

4 **Make sure that the BLUETOOTH indicator on the main unit lights in blue.**

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

5 **Start audio playback with the music app on the connected mobile device.**

Sound is output from the main unit.

6 **Adjust the volume.**

- Adjust the volume by pressing ◿ +/– on the remote control.
- Adjust the subwoofer volume by pressing SW ◿ +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR ◿ +/– on the remote control (page 48).
- 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

Tips

- If there is no mobile device that has been paired (ex. immediately after the purchase of the system), the system goes into pairing mode simply by changing the input to the BLUETOOTH input.
- 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 42) for details on Sony | Music Center.
- Perform pairing for the second and subsequent mobile devices.

Listening to Music from the Paired Device

1 **Turn the BLUETOOTH function of the mobile device to on.**

2 **Press BLUETOOTH.**

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 ◿ +/– on the remote control.
- Adjust the subwoofer volume by pressing SW ◿ +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR ◿ +/– on the remote control (page 48).
- 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 while the [Bluetooth Audio] screen appears on the TV screen.
- Set [Bluetooth Mode] to [Transmitter] or [Off] (page 59).
- Turn off the system or mobile device.

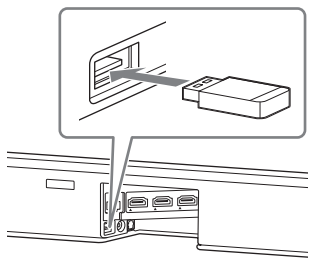
Tip

When the connection is not established, select "HT-ZF9" on the mobile device.

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 Audio Files" (page 76).

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



2 Press HOME.

The home menu appears on the TV screen.

3 Select [Listen] - [USB (Connected)] on the home menu.

4 Select the folder on which songs are stored, then select a song.

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

5 Adjust the volume.

- Adjust the volume by pressing +/– on the remote control.
- Adjust the subwoofer volume by pressing SW +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR +/– on the remote control (page 48).

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.

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 Sony | Music Center on a mobile device such as a smartphone or tablet.

Preparing the Home Network

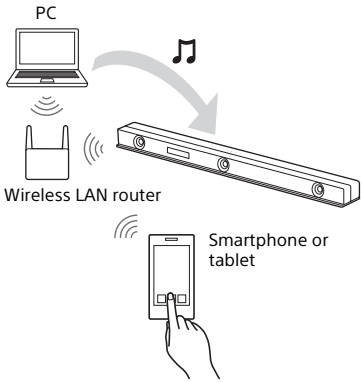
1 **Connect the system to a network.**
See “Connecting to a Wired Network” (page 25) or “Connecting to a Wireless Network” (page 26).

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

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 42) or the following URL.
http://www.sony.net/smcqa/

Listening to the Device Connected with an Analog Audio Cable

You can listen to sound of an audio device such as a TV, WALKMAN®, etc that is connected to the ANALOG IN jack on the system.

1 **Press HOME.**

The home menu appears on the TV screen.

2 **Select [Listen] - [Analog] on the home menu.**

The [Analog] screen is displayed on the TV screen.

3 **Adjust the volume.**

- Adjust the volume by pressing ◿ +/– on the remote control.
- Adjust the subwoofer volume by pressing SW ◿ +/– on the remote control (page 48).
- Adjust the rear speakers volume by pressing REAR ◿ +/– on the remote control (page 48).

Tip

You can also select [Analog] directly by pressing ANALOG.

Using Chromecast built-in

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

1 **Press HOME.**

The home menu appears on the TV screen.

2 **Select [Listen] - [Chromecast built-in] on the home menu.**

Perform the settings to use Chromecast built-in on the system by following the on-screen message.
After performing the settings, [Network/Bluetooth Standby] is set to [On] automatically and you can play music quickly even when the system is in standby mode (page 60).

3 **Connect the mobile device by Wi-Fi to the same network as that of the system.**

4 **Install the Chromecast-enabled app to the mobile device.**

5 **Start the Chromecast-enabled app, tap the cast button, and select the system or group that the system is included in.**

6 **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.

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 [Auto Sound] 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 41).

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 ψ (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 36) or network function (page 25).**
3. **Start Sony | Music Center.**
4. **Operate by following the Sony | Music Center screen.**

Notes

- Before using Sony | Music Center with the BLUETOOTH function, be sure to set the [Bluetooth Mode] to [Receiver] (page 59).
- Use Sony | Music Center of the latest version. For details about Sony | Music Center, refer to Google Play or the App Store. If you cannot connect the system and a BLUETOOTH device via the BLUETOOTH function, uninstall Sony | Music Center and try to connect via the BLUETOOTH function again.

Tip

When connecting with the network function, connect the mobile device to the same network as that of the system.

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] - [Advanced Settings] on the home menu.**
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.
   If you cannot find the name of your headphones in [Device List], select [Scan].
6. **Return to the home menu, select [Watch] or [Listen], and select the 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 "Watching Images" (page 34) or "Listening to Music/Sound" (page 36).
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. Press HOME.
   The home menu appears on the TV screen.
2. Select [Setup] - [Advanced Settings] on the home menu.
3. Select [Bluetooth Settings] - [Device List].
4. Move the cursor to the name of the headphones, and then press OPTIONS.
5. Select [Remove].
6. Follow the on-screen instructions to delete the desired headphones from the device list.

Listening to Sound with Paired Headphones

1 Set the BLUETOOTH function of the headphones to on.

2 Press HOME.

The home menu appears on the TV screen.

3 Select [Setup] - [Advanced Settings] on the home menu.

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

The system enters BLUETOOTH transmission mode and "BT TX" appears in the front panel display. The system automatically reconnects to the headphones that was most recently connected to.

5 Return to the home menu, select [Watch] or [Listen], and select the input.

The image of the selected input appears on the TV screen, and the sound is output from the headphones.
No sound is output from the system.
For selecting input, see "Watching Images" (page 34) or "Listening to Music/Sound" (page 36).

6 Adjust the volume.

Adjust the volume level of the headphones. You can also adjust volume level of the headphones with +/– on the remote control.

To disconnect the headphones

Perform any of the following items.
– Disable the BLUETOOTH function on the headphones.
– Set [Bluetooth Mode] to [Receiver] or [Off] (page 59).
– Turn off the system or headphones.
– Select the device name of the connected headphones from [Setup] - [Advanced Settings] - [Bluetooth Settings] - [Device List]. [Connected] of the device name disappears.

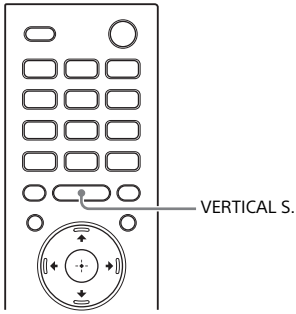
About the Connection of the Headphones

- You may not be able to adjust the volume level depending on the BLUETOOTH compatible headphones.
- Input of BLUETOOTH is disabled when [Bluetooth Mode] is set to [Off] or [Transmitter].
- 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 devices in the [Device List].
- You cannot change the sound effect or settings 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 LDAC audio from the BLUETOOTH device (page 60).

Enjoying Immersive Surround Experience (VERTICAL S.)

You can feel immersed by the sound from not only the horizontal direction, but also from the upward direction by using Vertical Surround Engine* effectively for sound modes (page 46) other than [News]. This function also works for the 2.0 channel signal such as a TV program.

* Vertical Surround Engine is a highly precise digital sound field processing technology developed by Sony that produces the sound field in the height direction virtually in addition to a sound field in the horizontal direction by only using front speakers and without using top speakers.
You do not need to install speakers on a ceiling and you can enjoy the sound with rich presence regardless of the ceiling height. Also, this function is hardly affected by the shape of a room because it does not use the sound reflected from a wall and enables improved surround playback.



1 **Press VERTICAL S.**
The vertical surround setting appears on the TV screen.

2 **Press the button repeatedly to select the setting.**

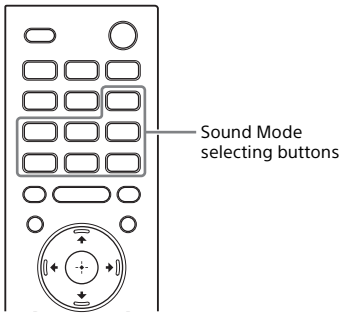
Mode	Explanation
[On]	Activates the vertical surround function.
[Off]	Deactivates the vertical surround function.

Notes

- The surround effect differs depending on a sound source.
- A time gap between the sound and picture may occur depending on the sound source. If your TV has a function that delays the image, use it for adjustment.

Setting the Sound Effect that is Tailored to Sound Sources (Sound Mode)

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



1 **Press one of the sound mode selecting buttons (AUTO SOUND, CINEMA, MUSIC, GAME, NEWS, SPORTS, STANDARD) to select the sound mode.**

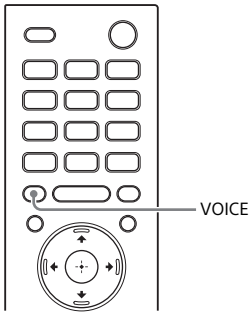
The selected sound mode appears on the TV screen.

Sound mode	Explanation
[Auto Sound]	The appropriate sound setting is automatically selected for the sound source with ClearAudio+.
[Cinema]	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.
[News]	Recreates the clear speech of newscasts.
[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.

Notes

- The sound mode function is disabled in the following conditions.
  - [Sound Effect] is set to a setting other than [Sound Mode On] (page 58).
  - Chromecast built-in is used (page 41).
  - BLUETOOTH device is connected in BLUETOOTH transmission mode (page 43).
  - Test tone is emitted (page 54).
- A time gap between the sound and picture may occur depending on the sound source. If your TV has a function that delays the image, use it for adjustment.

Making Dialogs Clearer (VOICE)



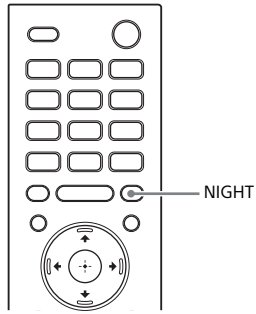
1 **Press VOICE.**
The voice mode appears on the TV screen.

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

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

Enjoying Clear Sound with Low Volume at Midnight (NIGHT)

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



1 **Press NIGHT.**
The night mode appears on the TV screen.

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

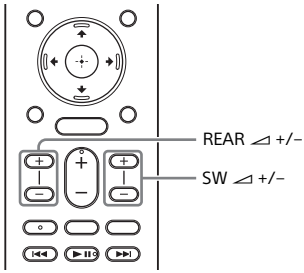
Mode	Explanation
[On]	Activates the night mode function.
[Off]	Deactivates the night mode function.

Note

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

Adjusting the Volume of the Subwoofer and Rear Speakers

The subwoofer is designed for playback of bass or low frequency sound.
The rear speakers are designed for playback of the surround part of the multi-channel sound.



To adjust the subwoofer volume

Press SW (subwoofer volume) ◿ +/–.

To adjust the rear speaker volume

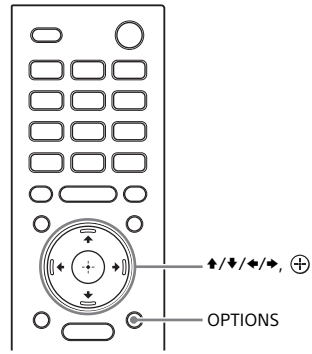
Press REAR (rear speaker volume) ◿ +/–.

Notes

- 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.
- When the input source does not contain much surround sound, the surround sound from the rear speakers may be difficult to hear.
- SW ◿ +/– does not work when the subwoofer is not connected and REAR ◿ +/– does not work when the rear speakers are not connected.

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 the TV

1 **Press OPTIONS.**
"SYNC" appears in the front panel display.

2 **Press → or ⊕**
The adjusting time appears in the front panel display.

3 **Adjust the delay using ↑/↓, 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.

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 ↑/↓, then press ⊕.**
You can adjust from 0 msec to 300 msec in 25 msec increments.

Playing Compressed Audio Files or CDs 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.

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

2 **Select [Setup] - [Advanced Settings] on the home menu.**

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

4 **Select [On].**

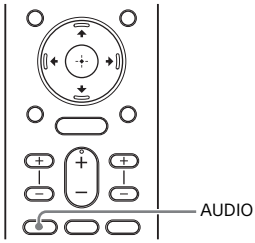
Notes

- This function is only available when [Auto Sound]* or [Music] is selected as the sound mode (page 46).
- 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 when using Chromecast built-in.
- This function does not work when [Advanced Auto Volume] is set to [On] (page 59).

* Only when [Music] is selected with [Auto Sound].

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 the TV that is compatible with Audio Return Channel (page 52) to the HDMI OUT (TV (ARC)) jack with the HDMI cable (not supplied), or other devices to the HDMI IN 1 or HDMI IN 2 jack with the HDMI cable (not supplied).
- If your TV's HDMI IN jack is not compatible with Audio Return Channel (page 52), connect the TV to the TV IN (OPT) jack with the optical digital cable (supplied) to receive a Dolby Digital signal.

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 an 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
- Language Follow

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

Set [Setup] - [Advanced Settings] - [HDMI Settings] - [Control for HDMI] on the system to [On] (page 59). 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 the [Control for HDMI] settings are changed to [On], "DONE" appears in the front panel display.

System Power Off Function

When you turn off the TV, the system will turn off automatically.
Set [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Linked to TV] on the system to [On] or [Auto] (page 59). 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 remote control.
When you turn on the TV, the system is turned on automatically and the TV sound is output from the speakers of the system.
Operations can also be made by the TV's menu. For details, refer to the operating instructions of your TV.

Notes

- 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.
- Depending on the TV, if the TV sound was output from the speakers of the TV the previous time you watched the TV, the system may not turn on by interlocking with the TV power even if the TV is turned on.

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, set [Setup] - [Advanced Settings] - [HDMI Settings] - [TV Audio Input Mode] to [Auto] (page 59). 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 [Setup] - [Advanced 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 may not turn on and the sound and picture may be output from the TV even if device content is played (page 59).
- 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 Sync Menu. For details, refer to the operating instructions of your TV.

Notes

- In the TV's Sync 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 59) is a function that allows you to enjoy the sound and picture of a connected device without turning on the system.
Set [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Through] to [Auto] (page 59). 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.

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 "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.
• Sound mode/Scene Select function
• Home Theatre Control

Note

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

Sound mode/Scene Select Function

The sound mode of the system is automatically switched according to the setting of the TV's Scene Select function or sound mode. For details, refer to the operating instructions of your TV.
Set the sound mode to [Auto Sound] (page 46).

Home Theatre Control Function

When using a TV compatible with the Home Theatre Control function, setting the system, setting the sound mode 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.

Customizing the Speaker Settings for Surround Sound

To obtain a good surround sound, set the speaker 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] - [Advanced Settings] on the home menu.**

3 **Select [Speaker Settings] - [Manual Speaker Settings].**
The [Manual 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.
[Rear Speaker (L)]*: Sets the left rear speaker distance.
[Rear Speaker (R)]*: Sets the right rear speaker distance.

* This item appears when using the rear speakers.

Tip

You can change measurement units (feet or meters) by pressing OPTIONS.

[Level]

Adjust the sound level of the speakers.
You can set the value from -6.0 dB to 6.0 dB (0.5 dB step).
[Front]: Sets the front speaker level.
[Subwoofer]: Sets the subwoofer level.
[Rear Speaker (L)]*: Sets the left rear speaker level.
[Rear Speaker (R)]*: Sets the right rear speaker level.

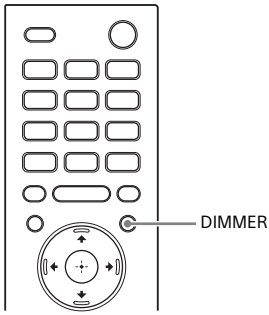
* This item appears when using the rear speakers.

[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 is emitted from the speaker.

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:
– [Standby Through] is set to [Off] (page 59).
– [Network/Bluetooth Standby] is set to [Off] (page 60).

Performing Easy Setup

You can make basic initial settings, speaker settings, and network settings for the system easily by performing Easy Setup.

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

2 **Select [Setup] - [Easy Setup] on the home menu.**
The [Easy Setup] screen appears on the TV screen.

3 **Select the desired setting.**
- [Easy Initial Setup]: Performs the basic initial settings including the speaker settings and network settings.
- [Easy Speaker Setup]: Performs the basic speaker settings for the rear speakers.
- [Easy Network Setup]: Performs the basic network settings.

4 **Perform settings by following the on-screen instructions.**

Performing Advanced Settings

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] - [Advanced Settings] on the home menu.**
The [Advanced Settings] screen appears on the TV screen.

3 **Select the setting item.**

Setting item	Explanation
[Speaker Settings]	Makes the speaker and subwoofer settings for installing and connections. (page 58)
[Audio Settings]	Makes the audio output settings. (page 58)
[HDMI Settings]	Makes the HDMI settings. (page 59)
[Bluetooth Settings]	Makes detailed settings for the BLUETOOTH function. (page 59)
[System Settings]	Makes the system-related settings. (page 60)
[Network Settings]	Makes detailed settings for the Internet. (page 61)
[Resetting]	Resets the system to the factory default settings. (page 61)
[Software Update]	Updates the software of the system, subwoofer, or rear speakers. (page 62)

[Speaker Settings]

[Manual 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 54).

[Wireless Speaker Settings]

You can perform connecting settings of the wireless speakers (subwoofer and rear speakers).

- [Link mode]
  You can set the connection method for the subwoofer and rear speakers.
  [Auto]: Connects the subwoofer and rear speakers to the system automatically.
  [Manual]: Connects the subwoofer and rear speakers manually.
- [Start manual linking]
  Perform the manual connection of the subwoofer and rear speakers to the system. For details, see "Connecting the Subwoofer and Rear Speakers Wirelessly" (page 31).
- [Check wireless connection]
  You can check the connection status of the subwoofer and rear speakers.
- [RF Channel]
  You can minimize interference with other wireless devices. For details, see "If Wireless Transmission is Unstable" (page 33).
- [Wireless Playback Quality]
  You can set the wireless playback quality of the subwoofer and rear speakers.
  [Sound Quality]: The sound quality takes priority over the connection status of the wireless connection.
  [Connection]: The connection status takes priority over the sound quality.
- [Software Version]
  You can check the software version of the subwoofer and rear speakers.

♪ [Audio Settings]

[DSEE HX]

This function is only available when [Auto Sound]* or [Music] is selected as the sound mode.
[On]: Upscales the compressed audio files or CDs to a High-Resolution sound quality and reproduces the clear high-range sound which is often lost (page 49).
[Off]: Off

* Only when [Music] is selected with [Auto Sound].

[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 and DTS sound track with the kind of dynamic range that the recording engineer intended.
[Off]: No compression of dynamic range.

[Sound Effect]

You can select sound effects such as the sound mode.
[Sound Mode On]: Vertical Surround Engine enhances the surround and height speaker channels to create an immersive and enveloping virtual surround effect such as sound mode (page 46) and vertical surround (page 45).
[Dolby Speaker Virtualizer]: Dolby Speaker Virtualizer enhances the surround and height speaker channels to create an immersive and enveloping virtual surround effect when you play

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

[Advanced Auto Volume]

You can reduce the change of volume due to the input signal. This function is effective when the volume of a TV commercial is louder than that of the TV program.
[On]: Adjusts the volume automatically.
[Off]: Off

Note

This function is not suitable for listening to music.

[HDMI Settings]

[Control for HDMI]

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

[Standby Linked to TV]

This function is available when you set [Control for HDMI] to [On].
[Auto]: If the input of the system is [TV], [HDMI1], or [HDMI2], 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]

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]

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 24).

[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.

Notes

- When [Bluetooth Mode] is set to [Off] while [Network/Bluetooth Standby] is set to [On] (page 60), [Network/Bluetooth Standby] is set to [Off] automatically.
- When you set [Network/Bluetooth Standby] (page 60) to [On] while [Bluetooth Mode] is set to [Off], [Bluetooth Mode] is set to [Receiver] automatically.

[Device List]

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

[Bluetooth Codec - AAC]

This function is only available when you set [Bluetooth Mode] to [Receiver].
[On]: Enables AAC codec.
[Off]: Disables AAC codec.

Note

You can enjoy high-quality sound if AAC is enabled and your device supports AAC.

[Bluetooth Codec - LDAC]

This function is only available when you set [Bluetooth Mode] to [Receiver] or [Transmitter].
[On]: Enables LDAC codec.
[Off]: Disables 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].
[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.
[Auto]: The data transfer rate is automatically changed depending on the environment. If audio playback is unstable in this mode, select [Sound Quality].

[System Settings]

[OSD Language]

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

[IR-Repeater]

[On]: Remote signals for the TV are sent from the rear of the main unit.
[Off]: Turns off the function.
For details, see “When the TV Remote Control does not Work” (page 33).

[Network/Bluetooth Standby]

[On]: You can turn the system on via the network or BLUETOOTH function.
[Off]: You can save power in standby mode. It takes time to output sound from the subwoofer or rear speakers after turning the system on.

Notes

- If you agree to use the Chromecast built-in function, [Network/Bluetooth Standby] automatically switches to [On].
- If you set [RF Channel] to [On] (page 33), [Network/Bluetooth Standby] automatically switches to [On].
- When [Bluetooth Mode] is set to [Off] (page 59) while [Network/Bluetooth Standby] is set to [On], [Network/

Bluetooth Standby] is set to [Off] automatically.
- When you set [Network/Bluetooth Standby] to [On] while [Bluetooth Mode] is set to [Off] (page 59), [Bluetooth Mode] is set to [Receiver] automatically.

[Auto Standby]

[On]: Turns on the [Auto Standby] function. When you do not operate the system while no signal is input 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 62).
[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 [Network/Bluetooth 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 Setting]

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 information such as the software version, 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 LAN Settings]: 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 LAN Settings]: 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

[Network Connection Status]

Displays the current network connection status.

[Resetting]

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.
For details, see “Resetting the System” (page 72).

[Software Update]

You can update the software of the system, subwoofer, or rear speakers. For details, see "Updating the Software" (page 62).

Updating the Software

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

Notes

- It may take up to 40 minutes for the update to be completed.
- An Internet environment is necessary to perform updates via Internet.
- While the updating operation is in progress, do not turn on or off the system, disconnect the AC power cord (mains lead), disconnect/connect the HDMI cable, 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 61). Software update may be performed even if you select [Off] in [Auto Update] depending on the details of the updates.

1 **Press HOME.**

The home menu appears on the TV screen.

2 **Select [Setup] - [Advanced Settings] on the home menu.**

If the system detects update information for the system on the network, the update notification and [Software Update] appears on the home menu. In this case, select [Software Update] and go to step 4.

3 **Select [Software Update].**

The [Software Update] screen appears on the TV screen.

4 **Select the item for updating.**

Select the updating item from the following items by pressing ↑/↓ and ⊕, then update the software

by following the on-screen instructions.
When a software update starts, the system automatically reboots.
During a software update, “UPDT” appears in the front panel display.
After the update is complete, the system automatically reboots.

[Network update]

Updates the software using the available network. Make sure that the network is connected to the Internet.

[USB update]

Updates the software using a USB memory. For details of updating, refer to the instructions that are displayed when downloading the update file.

[Wireless speakers only]

Updates the software of the subwoofer and rear speakers when the software of the system is the latest version. Make sure that the subwoofer and rear speakers are turned on and connected to the system (page 31).

Notes

- You can perform [USB update] by pressing and holding the BLUETOOTH and ⏻ button on the main unit for 7 seconds.
- You can perform [Network update] on Sony | Music Center.
- If the updating of the subwoofer or rear speakers does not work, move them to a location near the main unit and update.

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 your main unit, subwoofer, and rear speakers (not supplied), 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 [Setup] - [Advanced Settings] - [HDMI Settings] - [Control for HDMI] to [On] (page 59). The TV must support the Control for HDMI function (page 51). 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.
- Depending on the TV, if the sound was output from the speakers of the TV the previous time, the system may not turn on by interlocking with the TV power even when the TV is turned on.

The system turns off when the TV is turned off.

- Check the setting of [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Linked to TV] (page 59). When [Standby Linked to TV] is set to [On] or [Auto], the system turns off automatically when you turn off the TV.

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

- Check the setting of [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Linked to TV] (page 59). 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 51). For details, refer to the operating instructions of your TV.

The system cannot be turned off.

- The system may be in demo mode. To cancel demo mode, reset the system. Press and hold ⏻ (power) and – (volume) on the main unit for more than 5 seconds (page 72).

Picture

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

- Select the appropriate input (page 34).
- When there is no picture while the TV input is selected, select the TV channel that you want using the TV remote control.
- When there is no picture while the HDMI1/2 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.

- When there is no picture from the connected device or the picture from the connected device is not output correctly, set [Setup] - [Advanced Settings] - [HDMI Settings] - [HDMI Signal Format] - [HDMI IN 1]/[HDMI IN 2] to [Standard format] (page 24).
- 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 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 78).

4K video content from the HDMI IN 1/2 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 24).
- Use a Premium High Speed HDMI Cable with Ethernet that supports 18Gbps or High Speed HDMI Cable with Ethernet (page 78).

An image is not displayed on the entire TV screen.

- The aspect ratio on the media is fixed.

Picture and sound of the device that is connected to the system are not output from the TV when the system is not turned on.

- Set [Setup] - [Advanced Settings] - [HDMI Settings] - [Control for HDMI] to [On] on the system, and then set [Standby Through] to [Auto] or [On] (page 59).
- Turn on the system, and then switch the input for the device playing.
- If connected to devices other than those manufactured by Sony that support the Control for HDMI function, set [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Through] to [On] (page 59).

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 [Setup] - [Advanced Settings] - [HDMI Settings] - [HDMI Signal Format] - [HDMI IN 1]/[HDMI IN 2] to [Enhanced format] if the TV and the connected device support a bandwidth of up to 18Gbps (page 24). When you select [Enhanced format], be sure to use a Premium High Speed HDMI Cable with Ethernet that supports 18Gbps (page 78).

Sound

The system cannot connect to a TV with the BLUETOOTH function.

- When you connect the system and TV with an HDMI cable (not supplied), the BLUETOOTH connection is canceled.

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).
- Disconnect the cables that are connected between the TV and the system, then connect them firmly again. Disconnect the AC power cords (mains leads) of the TV and the system from the AC outlets (mains), then connect them again.
- When the system and TV are connected with an 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 59).
- 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 the TV input. When you connect the system and TV with an analog audio cable (not supplied), switch input of the system to the ANALOG input (page 40).
- 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 1 or HDMI IN 2 jack of the system and switch input of the system to the input for the connected device ([HDMI1] or [HDMI2]) (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 of the device that is connected to the system are not output from the TV when the system is not turned on.

- Set [Setup] - [Advanced Settings] - [HDMI Settings] - [Control for HDMI] to [On] on the system, and then set [Standby Through] to [Auto] or [On] (page 59).
- Turn on the system, and then switch the input for the device playing.
- If connected to devices other than those manufactured by Sony that support the Control for HDMI function, set [Setup] - [Advanced Settings] - [HDMI Settings] - [Standby Through] to [On] (page 59).

The sound is output from both the system and TV.

- Mute the sound of the system or 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 48).
- A time gap between the sound and picture may occur depending on the sound source. If your TV has a function that delays the image, use it for adjustment.

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

- Press ◿ + on the remote control and check the volume level (page 14).

- Press 🔇 or ◿ + on the remote control to cancel the muting function (page 14).
- Make sure the input source is selected correctly. You should try other input sources by pressing the input select button on the remote control (TV/HDMI1/HDMI2/ANALOG/USB/BLUETOOTH) (page 14).
- Check that all the cables and cords of the system and connected device are firmly inserted.
- When you play content compatible with copyright protection technology (HDCP), it may not be output from the system.
- Set [Setup] - [Advanced Settings] - [HDMI Settings] - [HDMI Signal Format] to [Standard format] (page 24).

The surround effect cannot be obtained.

- Depending on the input signal and the sound mode 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.

Subwoofer

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

- Press SW ◿ + on the remote control to increase the subwoofer volume (page 48).
- Make sure that the power indicator on the subwoofer is lit in green.
- If the power 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 ⏻ (power) of the subwoofer to turn on the power.
- If the power indicator on the subwoofer flashes slowly in green or lights in red, try the following.
  - Move the subwoofer to a location near the main unit so that the power indicator on the subwoofer lights in green.
  - Follow the steps in "Connecting the Subwoofer and Rear Speakers Wirelessly" (page 31).
  - Check the wireless connection status (page 58).
- If the power indicator on the subwoofer flashes in red, press ⏻ (power) of the subwoofer to turn off the power and check whether the ventilation holes of the subwoofer is blocked or not.
- If the input sources contain very little bass sound components (i.e., a TV broadcast), the sound from the subwoofer may be difficult to hear. You can check the subwoofer sound by emitting the test tone (page 54).
- Set the night mode to off. For details, see "Enjoying Clear Sound with Low Volume at Midnight (NIGHT)" (page 47).
- If you change the [RF Channel] setting from [Off] to [On] (page 33), it may take 1 minute for the sound to be output.

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.

→ Change the [RF Channel] setting (page 33).
→ Switch the network connection of the TV or Blu-ray Disc player from wireless to wired.

Rear Speakers (not supplied)

No sound is heard from the rear speakers.

→ Make sure the AC power cord (mains lead) of the rear speaker is connected properly.
→ If the power indicator on the rear speaker does not light, try the following.
  – Make sure the AC power cord (mains lead) of the rear speaker is connected properly.
  – Press ⏻ (power) of the rear speaker to turn on the power.
→ If the power indicator on the rear speaker flashes slowly in green or lights in red, try the following.
  – Move the rear speaker to a location near the main unit so that the power indicator on the rear speaker lights in green.
  – Follow the steps in "Connecting the Subwoofer and Rear Speakers Wirelessly" (page 31).
  – Check the wireless connection status (page 58).
→ Press REAR ◿ + on the remote control to increase the rear speakers volume (page 48).
→ If you change the [RF Channel] setting from [Off] to [On] (page 33), it may take 1 minute for the sound to be output.

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 rear speaker, move or remove it.
→ Locate the main unit and the rear speaker as close as possible.
→ 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 ψ (USB) port (page 38).
→ 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.
→ When connecting a WALKMAN® or smartphone, its internal storage or external storage (such as a memory card) may not be recognized.

Mobile Device Connection

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.

BLUETOOTH connection cannot be completed.

- → Make sure that the BLUETOOTH indicator of the main unit is lit (page 37).
- → 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).

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 37).
- → 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 with the BLUETOOTH function

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.

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 for the BLUETOOTH device with this system first. See “To remove a registered device from the device list” (page 43).
- → Pairing information may be deleted. Perform pairing operation again (page 43).

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 [Auto] (page 60).
→ Some content may not be output due to content protection.

Wired LAN Connection

The system cannot connect to the network.

→ Check the network connection (page 25) and network settings (page 61).

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 26) and network settings (page 61).
→ Depending on the usage environment (including the wall material), radio wave reception conditions, or obstacles between the system and wireless LAN router, the possible communication distance may be shortened. Move the system and 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 become 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 LAN Settings] again (page 26). 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.

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 33).

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/headphones): up to 1 device (used by this system)

"PRTCT" flashes in the front panel display and the system is turned off.

- → Disconnect the AC power cord (mains lead) and make sure nothing is obstructing the ventilation holes of the system.

"PRTCT," "PUSH," speaker name ("SUB," "SUR L," or "SUR R"), and "POWER" flash alternately in the front panel display.

- → Press ⏻ (power) on the corresponding speaker ("SUB": subwoofer, "SUR L": left rear speaker, "SUR R": right rear speaker) to turn off. For the subwoofer, disconnect the AC power cord (mains lead) and make sure nothing is obstructing the ventilation holes of the subwoofer, then restart the system. For the rear speaker, disconnect the AC power cord (mains lead), then restart the system. If they are reconnected properly, the display in the front panel display returns to the normal display.

"BT TX" appears in the front panel display.

- → Set [Bluetooth Mode] to [Receiver]. "BT TX" appears if [Bluetooth Mode] is set to [Transmitter] (page 59).

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, the BLUETOOTH function, subwoofer, or rear speakers) are unstable.

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

Music that you are not familiar with suddenly plays.

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

The system cannot be turned off or [Advanced Settings] cannot be used./When pressing ⏻ (power), ".DEMO" appears in the display window and the system cannot be turned off.

→ The system may be in demo mode. To cancel demo mode, reset the system. Press and hold ⏻ (power) and – (volume) on the main unit for more than 5 seconds (page 72).

The system restarts.

→ When connecting to a TV with a resolution that is different from that of the system, the system may restart to reset the picture output setting.

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] - [Advanced Settings] on the home menu.**
3. **Select [Resetting].**
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 – (volume) on the main unit for more than 5 seconds.

The settings return to their initial status.

Note

By resetting, the link with the subwoofer and rear speakers may be lost. In this case, perform "Connecting the Subwoofer and Rear Speakers Wirelessly" (page 31).

Specifications

Bar Speaker (SA-ZF9)

Amplifier section

POWER OUTPUT (rated)
Front L + Front R: 60 W + 60 W (at 4 ohms, 1 kHz, 1% THD)
POWER OUTPUT (reference)
Front L/Front R/Center speaker blocks: 100 W (per channel at 4 ohms, 1 kHz)

Inputs
HDMI IN 1/2*
ANALOG IN
TV IN (OPT)
Outputs
HDMI OUT (TV (ARC))*

* HDMI IN 1/2 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 4.2
Output
BLUETOOTH Specification Power Class 1
Maximum communication range
Line of sight approx. 30 m[1)]
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[2)]
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
Supported Codecs[3)]
SBC[4)], AAC[5)], 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/Center speaker block section

Speaker system
Full Range speaker system, Acoustic suspension
Speaker
46 mm cone type

General

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

Power consumption
On: 52 W
[Network/Bluetooth Standby] - [On]: Less than 2.4 W
[Network/Bluetooth Standby] - [Off]: Less than 0.5 W
Dimensions* (approx.) (w/h/d)
1000 mm × 64 mm × 98 mm (without grille frame)
1000 mm × 64 mm × 99 mm (with grille frame)

*Not including projection portion
Mass (approx.)
2.9 kg (without grille frame)
3.1 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
iPod touch (6th generation)/iPod touch (5th generation)

Subwoofer (SA-WZF9)

POWER OUTPUT (reference)
100 W (at 4 ohms, 100 Hz)
Speaker system
Subwoofer speaker system, Bass reflex
Speaker
160 mm cone type
Power requirements
220 V - 240 V AC, 50 Hz/60 Hz
Power consumption
On: 20 W
Standby mode: 1 W or less
Turned off: 0.5 W or less
Dimensions (approx.) (w/h/d)
190 mm × 382 mm × 386 mm (not including projection portion)
Mass (approx.)
8.1 kg

Wireless Transmitter/ Receiver Section

Communication system
Wireless Sound Specification version 4.0
Frequency band
5 GHz
Modulation method
OFDM

Design and specifications are subject to change without notice.

Radio Frequency Bands and Maximum Output Power

	Frequency band	Maximum output power
BLUETOOTH	2400 - 2483.5 MHz	< 9.9 dBm
Wireless LAN	2400 - 2483.5 MHz	< 19.9 dBm
	5150 - 5250 MHz	< 18 dBm
	5250 - 5350 MHz	< 18 dBm
	5470 - 5725 MHz	< 18 dBm
	5725 - 5850 MHz	< 13.98 dBm
Wireless Speaker	5150 - 5250 MHz	< 18 dBm
	5250 - 5350 MHz	< 18 dBm
	5470 - 5600 MHz	< 18 dBm
	5650 - 5725 MHz	< 18 dBm
	5725 - 5850 MHz	< 13.98 dBm

Playable Types of Audio Files

Codec	Extension
MP3 (MPEG-1 Audio Layer III)	.mp3
AAC/HE-AAC	.m4a, .aac, .mp4, .3gp
WMA9 Standard	.wma
LPCM	.wav
FLAC	.flac
DSF	.dsf
DSDIFF*	.dff
AIFF	.aiff, .aif
ALAC	.m4a
Vorbis	.ogg
Monkey's Audio	.ape

* The system does not play DST encoded files.

Notes

- Some files may not play depending on the file format, file encoding, recording condition, or other conditions.
- 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 cannot recognize a file/folder depending on the name/meta-data.
- Some USB devices may not work with this system.
- The system can recognize Mass Storage Class (MSC) devices (such as flash memory).

Supported Input Audio Formats

Audio formats supported by this system are as follows.

Format	Function		
	"HDMI1" "HDMI2"	"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	○	○	–
DTS	○	○	○
DTS-ES Discrete 6.1, DTS-ES Matrix 6.1	○	○	○
DTS 96/24	○	○	○
DTS-HD High Resolution Audio	○	–	–
DTS-HD Master Audio	○	–	–
DTS-HD LBR	○	–	–
DTS:X	○	–	–
DSD	○	–	–

○: Supported format.
–: Unsupported format.

Note

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

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[3)] 3840 × 2160p	50/59.94/60 Hz	–	RGB 4:4:4 YCbCr 4:4:4	8 bit	[Enhanced format][1)]
		–	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[3)] 3840 × 2160p	50/59.94/60 Hz	–	YCbCr 4:2:0	8 bit	[Standard format][2)]
	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	25/29.97/30/50/ 59.94/60 Hz	–	RGB 4:4:4 YCbCr 4:4:4 YCbCr 4:2:2	8/10/12 bit	
	23.98/24 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)[3)] format
◎: Compatible with 3D signal in Frame packing and Over-Under (Top-and-Bottom)[3)] 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.
3) The OPTIONS button does not work and the On-Screen Display (OSD) of the system is not displayed.

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 the TV input is selected, video signals via one of the HDMI IN 1/2 jacks selected last time are output from the HDMI OUT (TV (ARC)) jack.
- This system supports "TRILUMINOS."
- All HDMI IN and HDMI OUT jacks support bandwidth up to 18Gbps, HDCP 2.2[1], BT.2020 wide color spaces[2], and HDR (High Dynamic Range)[3] contents pass-through.
- When connecting to a TV with a resolution that is different from that of the system, the system may restart to reset the picture output setting.

[1] HDCP 2.2 is newly enhanced copyright protection technology that is used to protect content such as 4K movies.
[2] BT.2020 color space is new wider color standard that is defined for ultra-high definition television systems.
[3] HDR is an emerging video format that can display a wider range of brightness levels. The system is compatible with HDR10, HLG (Hybrid Log-Gamma), and Dolby Vision.

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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Should you have any questions concerning this EULA, you may contact SONY by writing to SONY at applicable contact address of each area or country.

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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 bottom 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 benzine.

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

Disclaimer regarding services offered by third parties

Network services, content and the (operating system and) software of this product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information.

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 "Performing Advanced Settings" (page 57) 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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