

Home Theatre System

Operating Instructions



HT-S20R

About These Operating Instructions

- The instructions in these Operating Instructions describe the controls on the remote control.
- Some illustrations are presented as conceptual drawings, and may be different from the actual products.
- The default settings are underlined on each feature description.
- Characters in brackets [] appear in the front panel display or on the TV screen.

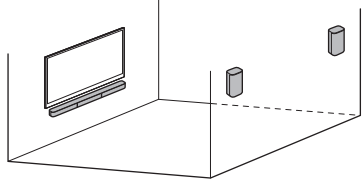
Installation and Connection

Connecting a TV with an HDMI Cable and/or Optical Cable

Refer to Startup Guide (separate document).

Mounting the Bar Speaker and Surround Speakers on a Wall

You can mount the bar speaker and surround speakers on a wall.

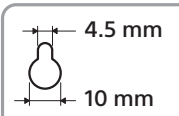
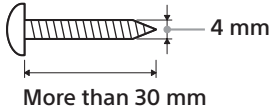


Notes

- 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.

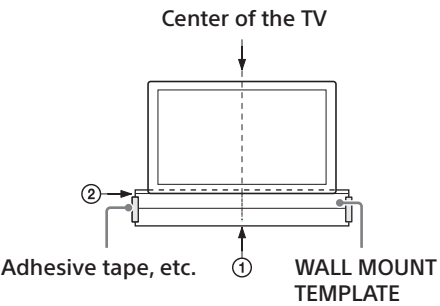
Mounting the Bar Speaker on a Wall

- Prepare two screws (not supplied) that are suitable for the wall mount holes on the rear of the bar speaker.



Hole on the rear of the bar speaker

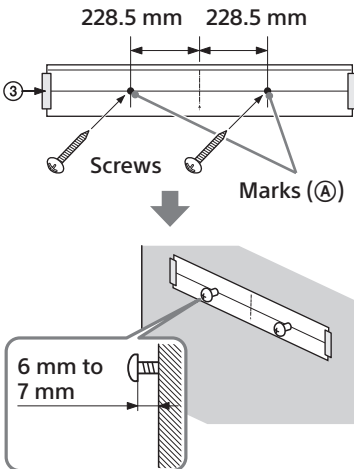
- Stick WALL MOUNT TEMPLATE (supplied) on a wall.



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

- 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.

Fasten the screws into the marks (Ⓐ) on SCREW LINE (③) of WALL MOUNT TEMPLATE as in the illustration below.



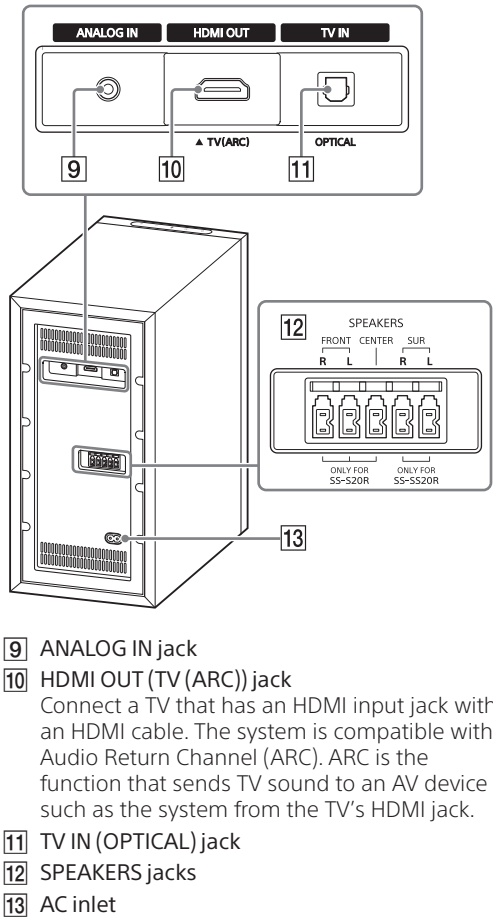
The screw should protrude as in the illustration.

Parts and Controls

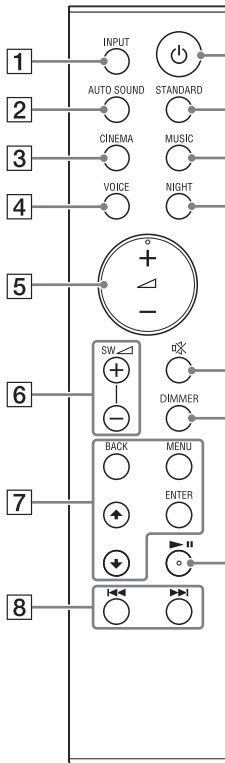
What's in the Box

- Bar speaker (1)
- Subwoofer (1)
- Surround speaker (2)
- Remote control (1)/ R03 (size AAA) battery (2)
- AC power cord (mains lead) (1) (the shape of the plug differs depending on countries/regions)
- Optical digital cable (1)
- WALL MOUNT TEMPLATE (1)
- Startup Guide
- Operating Instructions (this document)

Rear



Remote Control

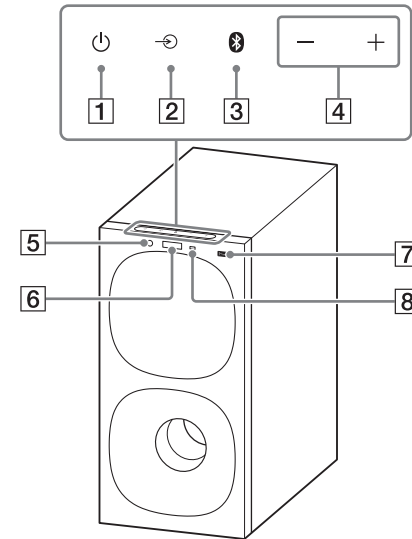


Guide to Parts and Controls

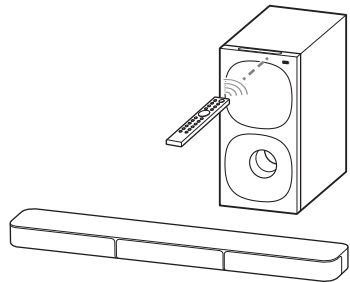
Details are omitted from the illustrations.

Subwoofer

Front



- (power) button Turns on the system or sets it to standby mode.
- (input select) button
- BLUETOOTH button
- +/- (volume) buttons
- BLUETOOTH indicator
 - Lights in blue: BLUETOOTH connection has been established.
 - Flashes slowly in blue repeatedly: BLUETOOTH connection is being attempted.
 - Flashes twice in blue repeatedly: During pairing standby status.
- Front panel display
- (USB) port
- Remote control sensor Point the remote control at the remote control sensor to operate the system.



The front panel display and BLUETOOTH indicator light up in the following statuses even if you set the brightness setting to [OFF].

- When operating the system
- For 10 seconds after you stop operating the system
- When displaying the system status, such as mute, Auto Standby, etc.

- (play/pause)* Plays, pauses, or resumes playback.

* The + and - buttons have a tactile dot. Use it as a guide during operation.

About the replacement of batteries for the remote control

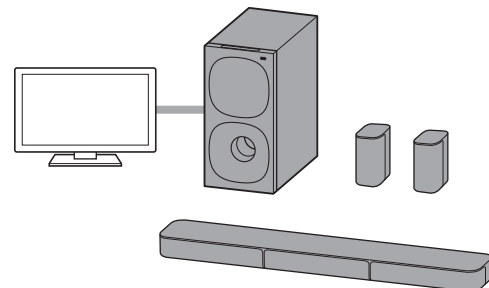
When the system does not respond by operating with the remote control, replace two batteries with new batteries.

Use R03 (size AAA) manganese batteries for replacement.

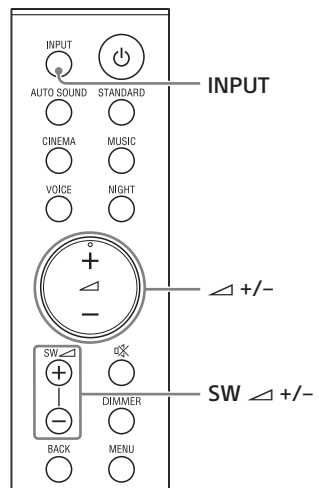
Listening to Music/Sound

Listening to a TV

You can listen to TV sound on the system.



When Connecting to a TV with an HDMI Cable (ARC) or Optical Digital Cable



- Press INPUT repeatedly to select [TV] in the front panel display.
- Adjust the volume.
- Adjust the subwoofer volume by pressing SW +/- on the remote control.

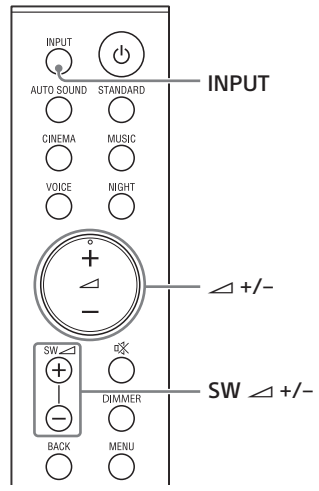
Notes

- When you connect the TV to both the HDMI OUT (TV (ARC)) and TV IN (OPTICAL) jacks, the jack for audio input is selected depending on which audio signal is input first.
- 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.

Tip

You can also select the input by pressing - on the subwoofer.

When Connecting to a TV with a Stereo Mini Cable



- Press INPUT repeatedly to select [ANALOG] in the front panel display.
- Adjust the volume.
- Adjust the volume by pressing +/- on the remote control.
- Adjust the subwoofer volume by pressing SW +/- on the remote control.

Note

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

Tip

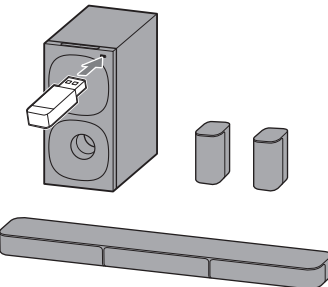
You can also select the input by pressing - on the subwoofer.

Listening to Music on a USB Device

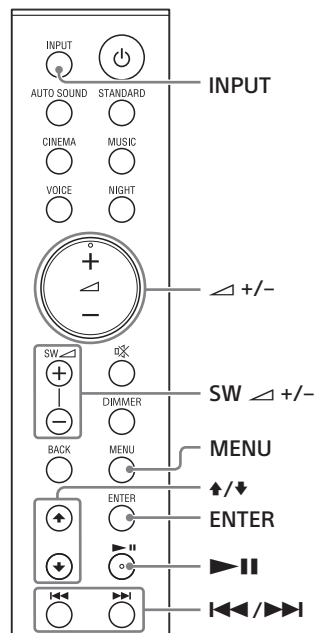
You can play music files stored on a connected USB device.

Notes

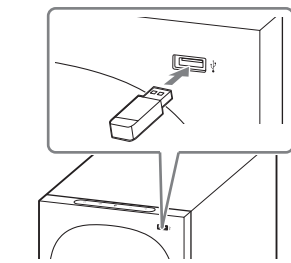
- To view the USB content list on the TV screen, make sure you connect the system to the TV using an HDMI cable.
- Change the input of the TV to the input to which the system is connected.



Listening to Music on a Connected USB Device



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



- Press INPUT repeatedly to select [USB] in the front panel display.
[READ] appears in the front panel display and the USB content list appears on the TV screen.
- Press +/- to select the content you want, then press ENTER.
The selected content starts playing.
- Adjust the volume.
- Adjust the volume by pressing +/- on the remote control.
- Adjust the subwoofer volume by pressing SW +/- on the remote control.

Note

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

To select the play mode

You can select the play mode for USB playback, such as repeat play or random play, from the menu.

- Press MENU.
The menu item appears in the front panel display.
- Select [USB] - [REPEAT] by using +/-/ENTER.
- Select the play mode by using +/-/ENTER.
 - [OFF]: Repeats off. Plays back all tracks.
 - [ONE]: Repeats one track.
 - [FOLDER]: Repeats all tracks in a current folder.
 - [RANDOM]: Repeats all tracks in a current folder in random order.
 - [ALL]: Repeats all tracks.
- Press MENU to turn off the menu.

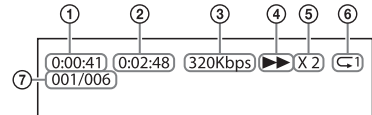
Other operations

To	Do this
Pause or resume playback	Press II.
Select the previous or next track	Press I/II.
Search backward or forward (rewind/fast forward)	Press and hold I/II.

Notes

- 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.
- INVALID USB appears in the front panel display if you connect an unsupported or broken USB device.
- Depending on the file format, rewind and fast forward may not work.

Information of USB Device on the TV Screen



- Playing time
- Total playing time
- Bit rate
- Playback status
- Rewind/fast forward speed
- Play mode
- Selected file index/Total files in the folder

The following messages appear on the TV screen depending on the status of the USB device.

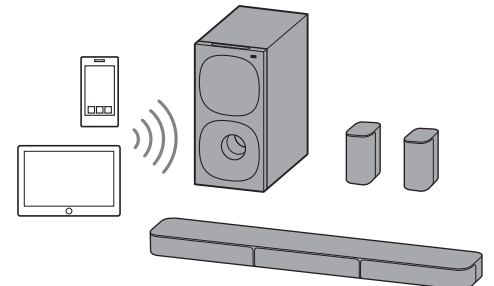
- [File Unsupported]
Appears for 2 seconds at the bottom left side when an unsupported file is skipped.
- [Device Not Support]
A USB device is not supported.
Device inserted is a non-USB device, a bad USB device, or a USB device that has no files on it.
- [No USB]
No USB device is inserted.
- [Waiting]
The system is searching the USB device.
- [This device is empty]
There are no playable files in the USB device.

Notes

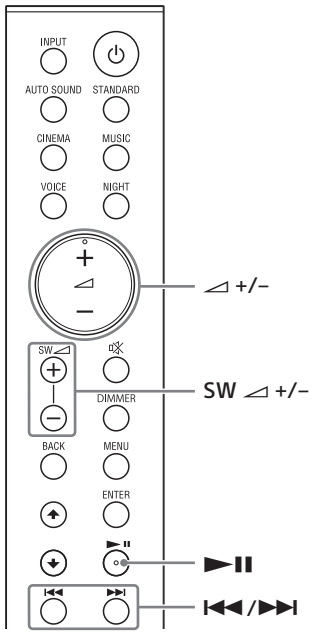
- Depending on the playback source, some information may not be displayed.
- Depending on the play mode, the information displayed may differ.

Listening to Music from a Mobile Device with the BLUETOOTH Function

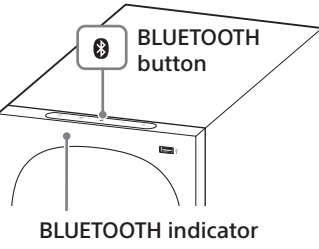
You can listen to music stored on a mobile device such as a smartphone or tablet via a wireless connection by connecting the system and the mobile device with the BLUETOOTH function. When connecting to the mobile device with the BLUETOOTH function, you can operate by simply using the supplied remote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



Pairing with a Mobile Device



- Press and hold the BLUETOOTH button on the subwoofer for 2 seconds.
The system enters the pairing mode and the BLUETOOTH indicator flashes twice repeatedly.



- On the mobile device, search for 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.
- Pair the system and mobile device by selecting "HT-S20R" from the list on the screen of the mobile device.
If a passkey is requested, enter "0000."
- Make sure that the BLUETOOTH indicator on the subwoofer lights in blue.
A connection between the system and mobile device has been established.
- Start audio playback with the music app on the connected mobile device.
Sound is output from the system.
- Adjust the volume.
 - Adjust the volume by pressing +/- on the remote control.
 - Adjust the subwoofer volume by pressing SW +/- on the remote control.
 - II and I/II on the remote control can be used for the BLUETOOTH function (Searching backward or forward by holding down I/II does not work.)

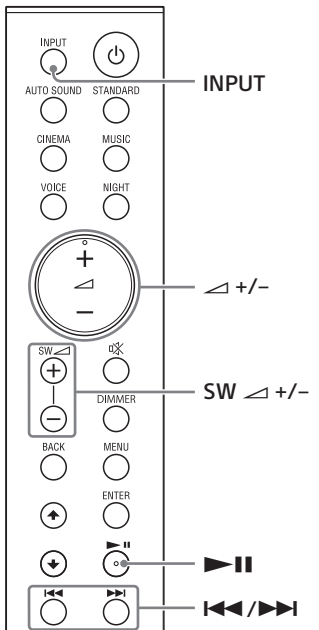
Notes

- You can pair up to 10 BLUETOOTH devices. If an 11th BLUETOOTH device is paired, the oldest connected device will be replaced by the new one.
- Perform pairing for the second and subsequent mobile devices.
- 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.

Tips

- You can check the connection status of the BLUETOOTH function by checking the BLUETOOTH indicator status.
- While the BLUETOOTH input is being selected, the system enters the pairing mode by pressing the BLUETOOTH button on the subwoofer shortly.

Listening to Music of the Paired Mobile Device



- Turn the BLUETOOTH function of the mobile device to on.
- Press INPUT repeatedly to select [BT] or press the BLUETOOTH button on the subwoofer shortly.
The BLUETOOTH indicator flashes and the system automatically reconnects to the BLUETOOTH device it was most recently connected to.
- Make sure that the BLUETOOTH indicator lights in blue.
A connection between the system and mobile device has been established.
- Start audio playback with the music app on the connected mobile device.
Sound is output from the system.
- Adjust the volume.
 - Adjust the volume by pressing +/- on the remote control.
 - Adjust the subwoofer volume by pressing SW +/- on the remote control.
 - II and I/II on the remote control can be used for the BLUETOOTH function. (Searching backward or forward by holding down I/II does not work.)

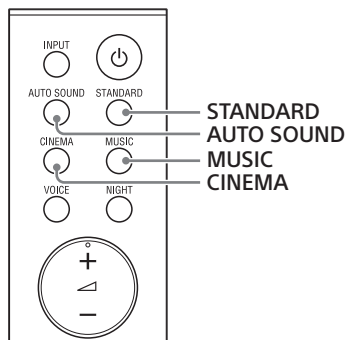
Note

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

Adjusting the Sound

Enjoying 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.

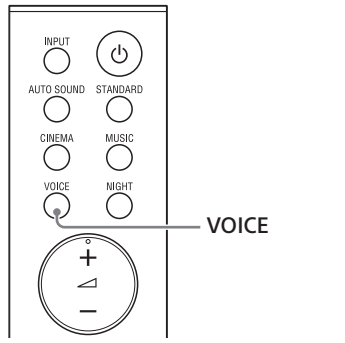


Press AUTO SOUND, CINEMA, MUSIC, or STANDARD to select the sound mode. The selected sound mode appears in the front panel display.

Front panel display	Explanation
[AUTO SOUND]	You can enjoy the sound with Sony-recommended sound mode. The sound mode is automatically optimized according to playback content and function.
[STANDARD]	Sound effects are optimized for the individual source.
[CINEMA]	Sounds are played back with surround effects, and they are realistic and powerful, making them suitable for movies.
[MUSIC]	Sound effects are optimized for listening to music.

Making Dialogs Clearer (VOICE)

You can make dialogs clearer by setting the voice mode.

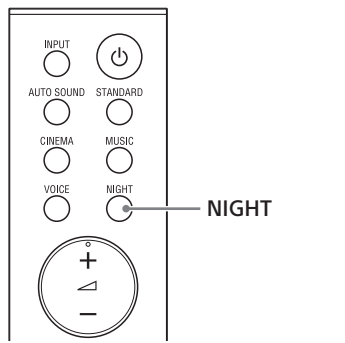


Press VOICE to set the function to on or off.

Front panel display	Explanation
[Vo.ON]	The sound of voice is emphasized.
[Vo.OFF]	Off.

Enjoying Clear Sound with Low Volume at Midnight (NIGHT)

You can compress sound in accordance with the information contained in the content by setting the night mode to on. Sound is output at low volume with minimum loss of fidelity and clarity of dialog.



Press NIGHT to set the function to on or off.

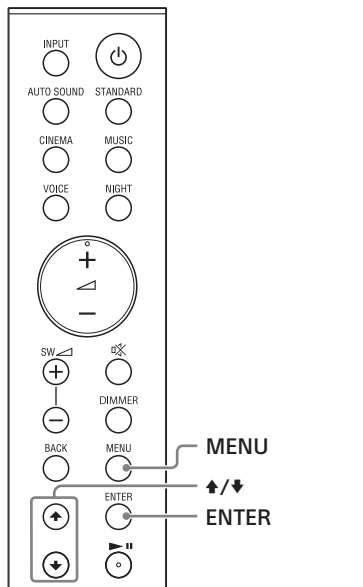
Front panel display	Explanation
[N.ON]	The sound is compressed in accordance with the information contained in the content.
[N.OFF]	Off.

Note

When you turn the system off, the night mode is set to off automatically.

Checking the Current Sound Settings

You can check the settings of the sound, night, and voice modes and current stream information.



- Press MENU to turn on the menu in the front panel display.
- Press +/- to select [CURRENT STATUS], then press ENTER.
- Press +/- repeatedly to select the item you want.
The current setting appears in the following order.
Sound mode → Voice mode → Night mode → Stream Information
The current setting appears in the reverse order by pressing +/-.
- Press MENU to turn off the menu.

Changing the Settings

You can set the following items on the menu.
Your settings are retained even if you disconnect the AC power cord (mains lead).

- Press **MENU** to turn on the menu in the front panel display.
- Press **⬅/➡/ENTER** repeatedly to select the item and setting you want.
To return to the upper layer, press **BACK**.
- Press **MENU** to turn off the menu.

Note
You can also turn off the menu by performing an operation other than a menu operation such as pressing **⏮**, **SW**, **⏭**, **⏮**, **⏭**, etc.

Menu List

The default settings are underlined. They may differ depending on the area.

Items	Function	
[CURRENT STATUS]	[AUTO SOUND]/[STANDARD]/[CINEMA]/[MUSIC] [Vo. ON]/[Vo OFF] [N.ON]/[N.OFF] [NO INFO.]/[LPCM]/[DOLBY DIGITAL]	These items are not the setting menu items. You can check the settings of the sound, night, and voice modes and current stream information. For details about operation, see "Checking the Current Sound Settings."
[SPEAKER]	[MULTI SPEAKER] [SUR.L.DISTANCE]/[SUR.R.DISTANCE] [SUR.L.LEVEL]/[SUR.R.LEVEL] [TEST TONE]	You can set the output of the speakers of the system. • [ON]: The sound is output from all the speakers, regardless of the number of audio channels for the playback source. • [OFF]: The sound is output from the speakers that correspond to the audio channel for the playback source. [3.0M]: Adjusts the distance from the seating position to the surround speaker (left or right) from 1.0 meter to 6.0 meters (0.1 meter intervals). [0.0]: Adjusts the sound level of the surround speaker (left or right) from -6.0 dB to +6.0 dB (0.5 dB intervals). Note Be sure to set [TEST TONE] to [ON] for easy adjustment. • [ON]: The test tone is output from each speaker in sequence. • [OFF]: Turns off the test tone. Note The test tone is not output even though [TEST TONE] is set to [ON] while [USB] input is selected. Select an input other than [USB].
[AUDIO]	[DRC] (Dynamic range control) [A.VOL.] (Auto volume) [DUAL] (Dual mono)	Useful for enjoying movies at low sound volume. DRC applies to Dolby Digital sources. • [ON]: Compresses sound according to the information in the content. • [OFF]: Sound is not compressed. You can adjust the volume automatically depending on the input level from a connected device. • [ON]: Adjusts the volume automatically. • [OFF]: Off. You can enjoy multiplex broadcast sound when the system receives a Dolby Digital multiplex broadcast signal. • [MAIN]: Sound of the main language will be output. • [SUB]: Sound of the sub language will be output. • [M/S]: Mixed sound of both the main and sub languages will be output. Note To receive a Dolby Digital signal, you need to connect a TV or other device to the TV IN (OPTICAL) jack with an optical digital cable or the HDMI OUT (TV/ARC) jack with an HDMI cable.
[HDMI]	[CONTROL FOR HDMI] [TV AUDIO]	• [ON]: The Control for HDMI function is enabled. Devices connected with an HDMI cable can operate each other. • [OFF]: Off. You can set whether the playback sound that is input from an HDMI cable or optical digital cable. • [AUTO]: Plays the sound that is detected from either an HDMI cable or optical digital cable. When you connect either an HDMI cable or optical digital cable, the system plays by selecting the connected cable for the TV input. • [OPTICAL]: Plays the sound from the TV IN (OPTICAL) jack for the TV input.
[BT]	[POWER] [STANDBY]	You can turn the BLUETOOTH function on or off. • [ON]: Turns the BLUETOOTH function on. • [OFF]: Turns the BLUETOOTH function off. Note When the BLUETOOTH function is set to off, the BLUETOOTH input is skipped while selecting input by pressing INPUT. When the system has pairing information, you can turn the system on and listen to music from a BLUETOOTH device, even when the system is in standby mode, by setting the BLUETOOTH standby mode to on. • [ON]: BLUETOOTH standby mode is enabled. • [OFF]: BLUETOOTH standby mode is disabled. Note While the BLUETOOTH standby mode is on, standby power consumption increases.
[USB]	[REPEAT]	• [OFF]: Repeats off. Plays back all tracks. • [ONE]: Repeats one track. • [FOLDER]: Repeats all tracks in a current folder. • [RANDOM]: Repeats all tracks in a current folder in random order. • [ALL]: Repeats all tracks.
[SYSTEM]	[AUTO STANDBY] [VERSION]	• [ON]: Turns on the auto standby function. When you do not operate the system for about 20 minutes, the system enters standby mode automatically. The default setting for models of the Europe countries is [ON]. • [OFF]: Off. The default setting for Australia/New Zealand models is [OFF]. The current firmware version information appears in the front panel display.
[RESET]	[ALL RESET]	You can reset the system settings to the factory default. For details, see "Resetting the System."
[UPDATE]	[START]	Start the software update after connecting the USB memory on which the software update file is stored to the system. For information about the software updates, visit the following website: • For the customers in Europe https://www.sony.eu/support • For the customers in Australia or New Zealand https://www.sony-asia.com/support Note You can update the software of the system by pressing and holding  and BLUETOOTH on the subwoofer for 7 seconds.
	[CANCEL]	Cancels the software update.

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* using an HDMI cable enables you to easily operate the device by using a TV or Blu-ray Disc player remote control.

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 [HDMI] – [CONTROL FOR HDMI] to [ON]. The default setting is [ON].
Enable the Control for HDMI function settings of the TV and other device connected to the TV.

Tip
If you enable the Control for HDMI function when using a TV manufactured by Sony, the Control for HDMI function of the system is also enabled automatically.

System Power Off Function

When you turn off the TV, the system will turn off automatically.

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. If the TV sound was output from the speakers of the system the previous time you watched the TV, the system will be turned on automatically when you turn on the TV again.

Operations can also be made by the TV's menu. For details, refer to the operating instructions of your TV.

Notes
• Sound is only output from the TV if other than [TV] input is selected when using the Twin Picture function on the TV. When you disable the Twin Picture function, the sound is output from the system.
• The number for the system's volume level is displayed on the TV screen depending on the TV. The volume number displayed on the TV may differ from the number on the front panel display of the system.

- Depending on the settings of the TV, the System Audio Control function may not be available. For details, refer to the operating instructions of your TV.
- 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 (ARC)

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

Note
If the TV is not compatible with Audio Return Channel, an optical digital cable 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, "PlayStation4", etc.) connected to the TV, the system and TV are turned on automatically, the input of the system is switched to the TV input, and sound is output from the speakers of the system.

Notes
• 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 and the sound and picture may be output from the TV even if device content is played.
• Depending on the TV, the beginning part of content being played may not play correctly.

Notes on HDMI Connections

- Use an HDMI-authorized cable.
- Use a Sony High Speed HDMI cable with the Cable Type Logo.
- We do not recommend using an HDMI-DVI conversion cable.
- Check the setup of the connected device if an image is poor or the system does not come out of the device connected via the HDMI cable.
- Audio signals (sampling frequency, bit length, etc.) transmitted from an HDMI jack may be suppressed by the connected device.
- [ALL]: Repeats all tracks.

Saving Power Consumption

To use the system with saving power consumption, change the following settings.

Turning the System Off by Detecting the Using State

When you set the auto standby function to on, the system enters standby mode automatically when you do not operate the system for about 20 minutes and the system is not receiving an input signal.

Set [SYSTEM] – [AUTO STANDBY] to [ON]. The default setting for models of the Europe countries is [ON].
The default setting for Australia/New Zealand models is [OFF].

Saving Power in Standby Mode

To save power consumption during the standby mode, set [BT] – [STANDBY] and [HDMI] – [CONTROL FOR HDMI] to [OFF].
The default settings for them are [ON].

Resetting the System

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

- Press **MENU** to turn on the menu in the front panel display.
- Press **⬅/➡** to select [RESET], then press **ENTER**.
- Press **⬅/➡** to select [ALL RESET], then press **ENTER**.
- Press **⬅/➡** to select [START], then press **ENTER**.
All the settings return to their initial status.

To cancel resetting
Select [CANCEL] in step 4.

If You Cannot Perform Resetting Using the Menu

Press and hold **⏮** and **–** (volume) on the subwoofer for more than 5 seconds.
All the settings return to their initial status.

Tip
The default settings are underlined on each feature description.

Troubleshooting

If the system does not work properly, handle it in the following order.

- Search for the cause and solution of the issue using this troubleshooting.
- Reset the system.
All the settings of the system return to their initial status. For details, see "Resetting the System."

Should any problems persist, consult your nearest Sony dealer.

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 is turned off automatically.

- The auto standby function is working. Set [SYSTEM] – [AUTO STANDBY] to [OFF].

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

- Set [HDMI] – [CONTROL FOR HDMI] to [ON]. The TV must support the Control for HDMI function. 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 even when the TV is turned on.

The system turns off when the TV is turned off.

- Check the setting of the Control for HDMI function. When the Control for HDMI function is set to on and the input of the system is the TV input, 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 the Control for HDMI function. When you turn off the TV, the system turns off automatically only if the input of the system is TV input. The TV must support the Control for HDMI function. For details, refer to the operating instructions of your TV.

Picture

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

- Select the appropriate input.
- When there is no picture while TV input is selected, select the TV channel that you want to view the TV remote control.
- Disconnect an HDMI cable, then connect it again. Make sure that the cable is firmly inserted.

Sound

No TV sound is output from the system.

- Check the type and connection of an HDMI cable or optical digital 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, the Control for HDMI function is set to on.
- If your TV is not compatible with Audio Return Channel, connect the optical digital cable (refer to the supplied Startup Guide). If the TV is not compatible with ARC, disconnect the AC power cord (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, the Control for HDMI function is set to on.
- If your TV is not compatible with Audio Return Channel, connect the optical digital cable (refer to the supplied Startup Guide). If the TV is not compatible with ARC, disconnect the AC power cord (mains leads) of the TV and the system from the AC outlets (mains), then connect them again.
- Press **INPUT** repeatedly to select the TV input.
- Increase the volume on the TV or cancel muting.
- Depending on the order in which you turn on the TV and the system, the system may be muted. 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.
- Check the sound output of the TV. Refer to the operating instructions of the TV for the TV settings.
- The system supports the Dolby Digital and PCM audio formats. When you play back an unsupported format, set the digital audio out setting of the TV (BRAVIA) to "PCM." For details, refer to the operating instructions of your TV.

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

- Change the audio output setting of the TV so that the TV sound is output from the external speaker.
- Set the TV volume to minimum.

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

- Change the audio output setting of the TV so that the TV sound is output from the external speaker.
- Set the TV volume to minimum.
- Make sure the AC power cord (mains lead) of the subwoofer is connected properly (refer to the supplied Startup Guide).
- Press **SW** **↵** + to increase the subwoofer volume.
- A subwoofer is for reproducing bass sound. If the input source contain very little bass sound components (i.e., a TV broadcast), the sound from the subwoofer may be difficult to hear.
- When you play content compatible with copyright protection technology (HDCP), it is not output from the subwoofer.

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

- Press **↵** + and check the volume level.
- Press **⏮** or **↵** + to cancel the muting function.
- Make sure the input source is selected correctly. You should try other input sources by pressing **INPUT** repeatedly.
- Check that all the cables and cords of the system and the connected device are firmly inserted.
- If the connected device supports the up-sampling feature, you need to turn it off.

No sound or only very low-level sound is heard from the surround speakers.

- Make sure that the cables of the surround speakers are connected properly to the subwoofer (refer to the supplied Startup Guide).
- Check that [SPEAKER] – [MULTI SPEAKER] is set to [ON]. If [SPEAKER] – [MULTI SPEAKER] is set to [OFF], the sound is not output from the surround speakers when playing the sound of 2-channel source.
- Multi-channel sound which has not been recorded as surround sound is not output from the surround speakers.

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.

USB Device Connection

The USB device is not recognized.

- Try the following:
 - ① Turn the system off.
 - ② Remove and reconnect the USB device.
 - ③ Turn the system on.
- Make sure that the USB device is securely connected to the **⏻** (USB) port.
- 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 subwoofer.

Mobile Device Connection

BLUETOOTH connection cannot be completed.

- Make sure that the BLUETOOTH indicator on the subwoofer is lit.
- Make sure the BLUETOOTH device to be connected is turned on and the BLUETOOTH function is enabled.
- Bring the BLUETOOTH device close to the subwoofer.
- Pair this system and the BLUETOOTH device again. You may need to cancel the pairing with this system using your BLUETOOTH device first.
- If [BT] – [POWER] is set to [OFF], set to [ON].

Pairing cannot be achieved.

- Bring the BLUETOOTH device close to the subwoofer.
- 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.
- Pairing may not be possible if other BLUETOOTH devices are present around the system. In this case, turn off the other BLUETOOTH devices.

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

- Make sure that the BLUETOOTH indicator on the subwoofer is lit.
- Bring the BLUETOOTH device close to the subwoofer.
- 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.
- Move the USB 3.0 device and its cable 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.

The sound is not in sync with the image.

- When you are watching movies, you may hear the sound with a slight delay from the image.

Remote Control

The remote control of this system does not function.

- Point the remote control at the remote control sensor on the subwoofer.
- Remove any obstacles in the path between the remote control and the subwoofer.
- 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.

The TV remote control does not work.

- Install the bar speaker so that it does not obstruct the remote control sensor of the TV.

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 of 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
 - Tuner-related devices: up to 4 devices
 - Audio system (receiver/ headphone): up to 1 device (used by this system)

[PROTECT] appears in the front panel display of the subwoofer, the sound is muted, and buttons on the remote control or subwoofer other than **⏻ (power) do not work.**

- The protection feature is activated.
- Press **⏻** (power) to turn the system off and disconnect the AC power cord (mains lead) and check the items below.
 - Make sure that the ventilations of the subwoofer are not covered and turn on the system after a while.
 - When the system is using the USB connection, remove the USB device and turn on the system. If the system operates properly, the current of the connected USB device is over the maximum output current of the system 500 mA, or the USB device may have an abnormality.

The front panel display of the subwoofer is not lit.

- Press **DIMMER** to set the brightness to [BRIGHT] or [DARK] if set to [OFF].

Sensors of the TV do not work properly.

- The bar speaker 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 bar speaker away from the TV within a range that allows those parts to operate properly. For the locations of the sensors and remote control receiver, refer to the operating instructions supplied with the TV.

The system does not work properly ([.DEMO] appears in the front panel display).

- The system is in demo mode. To cancel demo mode, reset the system.
- Press and hold **⏻** (power) and **–** (volume) on the subwoofer for more than 5 seconds.

When you change to the TV input from the USB input by pressing INPUT, the message appears.

- Please select the desired TV channels with the TV's remote control.
- This screen is an example for English.
- Select the TV program by using the TV remote control.

Specifications

Subwoofer (SA-WS20R)

Amplifier section
POWER OUTPUT (rated) Front L: Front R: 45 W + 45 W (at 4 ohms, 1 kHz, 1% THD)
POWER OUTPUT (reference) Front L/Front R/Surround L/Surround R/Center: 67 W (per channel at 4 ohms, 1 kHz)
Subwoofer: 65 W (at 4 ohms, 100 Hz)
Inputs
TV IN (OPTICAL)
USB
ARC/ADG IN
Output
OUT OUT (TV ARC)
HDMI section
Connector
Type A (19pin)
USB section
⏻ (USB) port:
Type A
BLUETOOTH section
Communication system
BLUETOOTH Specification version 5.0
Output
BLUETOOTH Specification Power Class 1
Maximum communication range
Line of sight approx. 10 m ¹
Frequency band
2.4 GHz band (2.4000 GHz - 2.4835 GHz)
Maximum output power
<6 dBm
Modulation method
FHSS (Frequency Hopping Spread Spectrum)
Compatible BLUETOOTH profiles ²
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
Supported codecs ³
"SBC"
Transmission range (A2DP)
20 Hz - 20,000 Hz (Sampling frequency 32 kHz, 44.1 kHz, 48 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
Abbreviation for Subband Codec
Speaker section
Speaker system
Subwoofer system, Bass reflex
Speaker
160 mm cone type
General
Power requirements
220 V - 240 V AC, 50 Hz/60 Hz
Power consumption
0.5 W
Standby mode: 0.5 W or less (Power Saving mode)
When [CONTROL FOR HDMI] in [HDMI] and [BT] in [BT] are set to [OFF]
Standby mode: 2 W or less [*]
(When [CONTROL FOR HDMI] in [HDMI] and [STANDBY] in [BT] are set to [ON])
[*] The system will automatically enter Power saving mode when there is no HDMI connection and no BLUETOOTH pairing history.
Dimensions ¹ (approx.) (w/h/d)
192 mm × 387 mm × 342 mm
¹ Not including projection portion
Mass (approx.)
7.0 kg

Bar Speaker (SS-S20R)

Speaker system
Full range speaker system, Bass reflex
Speaker
42 mm × 100 mm cone type
Dimensions ¹ (approx.) (w/h/d)
780 mm × 52 mm × 86 mm
¹ Not including projection portion
Mass (approx.)
2.0 kg

Surround Speakers (SS-S20R)

Speaker system
Full range speaker system, Bass reflex
Speaker
65 mm cone type
Dimensions ¹ (approx.) (w/h/d)
86 mm × 171 mm × 86 mm
¹ Not including projection portion
Mass (approx.)
0.6 kg

Design and specifications are subject to change without notice.

Playable Types of Files (USB Input)

Codec	Extension
MP3 (MPEG-1 Audio Layer III)	.mp3
WMA9 Standard	.wma
LPCM (2ch)	.wav

Notes
• Some files may not play or may play with no sound depending on the file format, the file encoding, or the recording condition.
• Some files edited on a PC may not play.
• Some USB devices may not work with this system.
• The system can recognize the following files or folders in USB devices:

- up to 200 folders (including empty folders and root folders)
- up to 200 tracks in one folder
- up to folders in the 8th layer (including the root folder)

• Some USB devices may not work with this system.
• The system can recognize Mass Storage Class (MSC) devices.
• The sampling frequency is up to 48kHz.

Supported Input Audio Formats (HDMI OUT (TV ARC)) or TV IN (OPTICAL))

Audio formats supported by this system are as follows.

- Dolby Digital
- Linear PCM 2ch (up to 48kHz)

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 802.11b/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