

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]	These items are not the setting menu items. You can check the settings of the sound, night, and voice modes and current stream information. <p>For details about operation, see “Checking the Current Sound Settings.”</p>
	[Vo. ON]/[Vo.OFF]	
	[N.ON]/[N.OFF]	
	[NO INFO.]/[LPCM]/[DOLBY DIGITAL]	
[SPEAKER]	[MULTI SPEAKER]	You can set the output of the speakers of the system. <ul style="list-style-type: none">[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.
	[SUR.L.DISTANCE]/[SUR.R.DISTANCE]	[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).
	[SUR.L.LEVEL]/[SUR.R.LEVEL]	[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 <ul style="list-style-type: none">Be sure to set [TEST TONE] to [ON] for easy adjustment.
	[TEST TONE]	[ON] : The test tone is output from each speaker in sequence. <ul style="list-style-type: none">[OFF]: Turns off the test tone.
		Note <p>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].</p>
[AUDIO]	[DRC] (Dynamic range control)	Useful for enjoying movies at low sound volume. DRC applies to Dolby Digital sources. <ul style="list-style-type: none">[ON]: Compresses sound according to the information in the content. [OFF]: Sound is not compressed.
	[AVOL.] (Auto volume)	You can adjust the volume automatically depending on the input level from a connected device. <ul style="list-style-type: none">[ON]: Adjusts the volume automatically. [OFF]: Off.
	[DUAL] (Dual mono)	You can enjoy multiplex broadcast sound when the system receives a Dolby Digital multiplex broadcast signal. <ul style="list-style-type: none">[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 <p>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.</p>
[HDMI]	[CONTROL FOR HDMI]	[ON] : The Control for HDMI function is enabled. Devices connected with an HDMI cable can operate each other. <ul style="list-style-type: none">[OFF]: Off.
	[TV AUDIO]	You can set whether the playback sound that is input from an HDMI cable or optical digital cable. <ul style="list-style-type: none">[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]	You can turn the BLUETOOTH function on or off. <ul style="list-style-type: none">[ON]: Turns the BLUETOOTH function on. [OFF]: Turns the BLUETOOTH function off.
		Note <p>When the BLUETOOTH function is set to off, the BLUETOOTH input is skipped while selecting input by pressing INPUT.</p>
	[STANDBY]	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. <ul style="list-style-type: none">[ON]: BLUETOOTH standby mode is enabled. [OFF]: BLUETOOTH standby mode is disabled.
		Note <p>While the BLUETOOTH standby mode is on, standby power consumption increases.</p>
[USB]	[REPEAT]	[OFF] : Repeats off. Plays back all tracks. <ul style="list-style-type: none">[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]	[ON] : Turns on the auto standby function. When you do not operate the system for about 20 minutes, the system enters standby mode automatically. <p>The default setting for models of the Europe countries is [ON].</p> <ul style="list-style-type: none">[OFF]: Off. <p>The default setting for Australia/New Zealand models is [OFF].</p>
	[VERSION]	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: <ul style="list-style-type: none">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 <p>You can update the software of the system by pressing and holding ⏻ and BLUETOOTH on the subwoofer for 7 seconds.</p>
	[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 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.

The system does not turn off even 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.

Troubleshooting

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

1 Search for the cause and solution of the issue using this troubleshooting.

2 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.

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 watch 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 the source, the TV sound will not be output from the system even if the system is connected to the TV’s HDMI IN jack.

- If the sound of the device that is connected to the optical input jack of the TV is not output, try the following.
 - Connect the cable box or satellite box directly to the TV IN (OPTICAL) jack of the system.
- 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.

- 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 sources 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/ headpiece): 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.

 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	
 	 	 	 	 	

- 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)
100 W (Front LR: 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% THD)
Subwoofer: 65 W [at 4 ohms, 100 Hz]

Input
TV IN (OPTICAL)
USB
AUDIO IN
Output
HDMI OUT (TV ARC)

HDMI section
Connection
Type A (19pin)

USB section
🔌 (USB) port:
1

BLUETOOTH section
Communication system
BLUETOOTH Specification version 5.0
Output
BLUETOOTH Specification Power Class 1
Maximum communication range
Line of sight approx. 10 m¹⁾
Frequency band
2.4 GHz band (2.4002 GHz - 2.4835 GHz)
Maximum output power
8 dBm

Modulation method
FHSS (Frequency Hopping Spread Spectrum)
Compatible BLUETOOTH profiles²⁾
A2DP (Advanced Audio Distribution Profile)
AVRCP (Audio Video Remote Control Profile)
Supported Codes³⁾
SBC⁴⁾

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
⁴⁾ Abbreviation for Subband Codec

Speaker system
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
60 W
Standby mode: 0.5 W or less (Power Saving mode)
(When [CONTROL FOR HDMI] in [HDMI] and [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.

Dimensions¹⁾ (approx.) (w/h/d)
192 mm × 387 mm × 342 mm
²⁾ 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
Dimensions¹⁾ (approx.) (w/h/d)
160 mm × 52 mm × 86 mm
²⁾ Not including projection portion
Mass (approx.)
2.0 kg

Surround Speakers (SS-S200R)
Speaker system
Full range speaker system, Bass reflex
Speaker
65 mm cone type
Dimensions¹⁾ (approx.) (w/h/d)
86 mm × 171 mm × 86 mm
²⁾ 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 systems does not play coded files such as DRM and Lossless.
 - 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 file devices may not work with this system.
 - The system can recognize Music 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 BLUETO