YAMAHA

User Guide

Sound Bar

ATS-B400

EN

CONTENTS

ABOUT THIS PRODUCT AND THE USER GUIDE 5

About the User Guide and other guides included with this product 5

Notes about the descriptions in this User Guide 5

Features 7

PART NAMES AND FUNCTIONS 10

Part names of the sound bar (front/top) 10

Part names of the sound bar (rear) 12

Part names of the subwoofer 13

Part names of the remote control 14

PREPARATION FOR USE 16

Preparation 16

Precautions for preparation 18

Confirming the included items 20

Installing the product 22

Connecting to a TV and to power 23

Connecting to a TV compatible with ARC 23

Connecting to a TV not compatible with ARC 25

Connecting to an audio device and to power 27

Preparing the remote control 29

Turning on the sound bar 30

PLAYBACK 31

Basic control during playback 31

Adjusting the sound to your preference 33
Sound functions of this product 33
Surround playback 35
Stereo playback 36
Adjusting the volume of the subwoofer 37
Enjoying rich bass sound (BASS EXT) 38
Playing human voices at higher volume (CLEAR VOICE) 39
Adjusting the volume for frequency ranges separately (Tone control) 40
Listening to audio from a Bluetooth® device 41

LINKING WITH A TV 44

Controlling the sound bar with a TV's remote control (HDMI Control function) 44

CONTROLLING WITH THE APP 45

Controlling the sound bar with the smartphone app (Sound Bar Remote) 45

CHANGING AND INITIALIZING THE SETTINGS 46

Showing the type of audio signal and settings for functions 46
Changing the brightness of the indicators (Dimmer) 47
Enabling/disabling the HDMI Control function 48
Enabling/disabling the Auto Power Standby function 49
Enabling/disabling the Child Lock function 50
Enabling/disabling the Bluetooth Standby function 51
Enabling/disabling the Bluetooth function 52
Initializing the sound bar 53

TROUBLESHOOTING 54

Check the following first 54
Power and overall functionality 55
Audio playback 63
Bluetooth connection 68
Use of the app 70

Other frequent actions **71**

How to connect AV devices such as BD/DVD players 71

How to minimize standby power consumption 72

How to replace the remote control battery 73

What to do if the sound bar and subwoofer are not paired automatically 75

How to reset the sound bar 77

SPECIFICATIONS AND SUPPORT 78

Specifications **78**

Supported digital audio signal formats **81**

List of indicator displays **82**

List of support centers **85**

SOFTWARE PROGRAMS AND TRADEMARKS 86

About third party software programs **86**

ABOUT THIS PRODUCT AND THE USER GUIDE

About the User Guide and other guides included with this product

Notes about the descriptions in this User Guide

- This guide uses the following signal words for important information.
  - **WARNING**

    This content indicates “risk of serious injury or death.”
  - **CAUTION**

    This content indicates “risk of injury.”
  - **NOTICE**

    Indicates points that you must observe in order to prevent product failure, damage or malfunction and data loss, as well as to protect the environment.
  - **NOTE**

    Indicates notes on instructions, restrictions on functions, and additional information that may be helpful.

- The illustrations and screens in the descriptions are for instructional purposes only.
- The company names and product names in this guide are the trademarks or registered trademarks of their respective companies.
- Various smartphones and tablet devices are collectively referred to as “smartphones”. When necessary, the type of device is specified in the explanations.
- This guide mainly explains control operations using the remote control. If operation using the controls on the sound bar itself is required, it will be explained in each case.

■ About the manuals of this product

The following guides are included with this product in addition to this User Guide:

Safety Guide

This document provides information necessary for the safe use of this product. Be sure to read it before use.

Quick Guide

This document explains the procedures for this product, from opening the box after purchase until enjoying the sound from a TV or Bluetooth device.

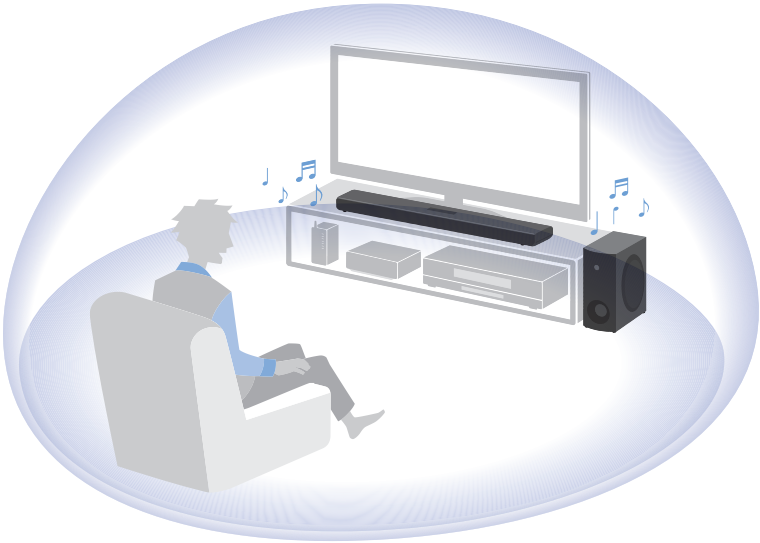
User Guide (this guide)

This guide explains all functions and procedures for use, including those not covered in the Quick Guide.

Features

This product is a bar-shaped speaker system for your TV that allows you to easily enjoy surround sound on the TV with a rich sense of presence.

■ Produce surround sound just by connecting to a TV



Related links

“Surround playback” (p.35)

■ Easily play audio content from a Bluetooth device

Related links

“Listening to audio from a Bluetooth® device” (p.41)

■ Configure the sound to match the situation

Clear Voice

This function focuses on the acoustic image of human voices such as dialog and narration within the audio and emphasizes the voices without changing the overall volume or individuality of the sound. Only the human voices become easier to hear, and it gives a clear sense of localization to the human voices.

- “Playing human voices at higher volume (CLEAR VOICE)” (p.39)

Bass Extension

This function focuses on the acoustic image of the bass portion and enhances bass sound. It allows you to enjoy rich bass performance with a strong presence by adjusting the overall acoustic image of bass sound to clarify without disturbing the balance of the overall sound.

- “Enjoying rich bass sound (BASS EXT)” (p.38)

Tone control (via the app only)

This function separately adjusts the volumes of the high and low frequency ranges. It allows you to enjoy the sound with your preferred audio balance.

- “Adjusting the volume for frequency ranges separately (Tone control)” (p.40)

■ Multiple control methods to suit various usage situations

In addition to the sound bar's controls and the included remote control, the TV's remote control and the dedicated smartphone app "Sound Bar Remote" can also be used to control the sound bar.

Audio Return Channel (ARC) and HDMI Control function

The sound bar can be connected to a TV that is compatible with the HDMI Control function/Audio Return Channel (ARC) function using a single HDMI cable included with this product. The HDMI Control function allows you to control the sound bar's basic functions using the TV's remote control. In addition, the audio signal is transmitted from the TV's HDMI input jack to the sound bar by the ARC (Audio Return Channel) function.

- "Connecting to a TV compatible with ARC" (p.23)
- "Controlling the sound bar with a TV's remote control (HDMI Control function)" (p.44)

Dedicated smartphone app: "Sound Bar Remote"

The sound bar can also be controlled from your smartphone. The app allows you to check the current sound mode, sound settings, and volume level of the sound bar.

■ Certified as a Yamaha Eco-Product

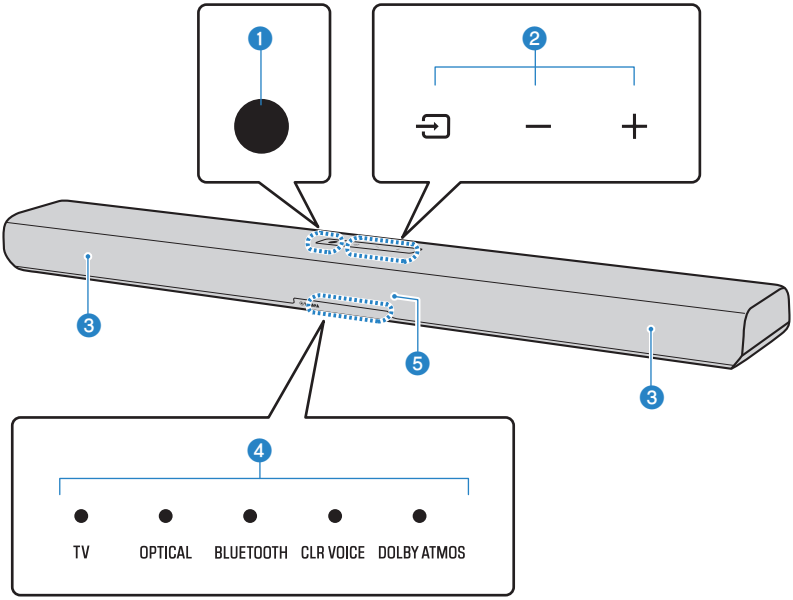
Yamaha Eco-Label is a mark that certifies products of high environmental performance.

With an advanced energy saving design, this product achieves a low power consumption of 1.8 W or less when in standby mode.

PART NAMES AND FUNCTIONS

Part names of the sound bar (front/top)

This section describes the part names and functions of the front and top of the sound bar.



1. **Power button**

   Turn the sound bar on and off (standby).

2. **Controls**

   Touch the symbols with your fingertip to control the sound bar.

   (Input): Select an input source (p.31).

   -/+ (Volume -/+): Adjust the volume (p.31).

3. **Speakers**

4. **Indicators**

   The indicators flash or glow to show the operation and setting status. During normal playback, the setting status is indicated as follows:

   TV, OPTICAL, or BLUETOOTH: Selected input source (glowing)

   CLR VOICE: Clear Voice function is enabled (glowing)/disabled (off)

   DOLBY ATMOS: Dolby Atmos audio signal is input during surround playback (glowing green)

NOTE

This document uses the following illustrations to show that indicators are off, glowing, or flashing.

Off

Glowing

Flashing

❺ Remote control sensor

NOTICE

- If not using the product for a long period of time, be sure to unplug the power plug from the AC outlet. Even if the product is turned off (standby) by the sound bar's power button, a small amount of current is still flowing.

NOTE

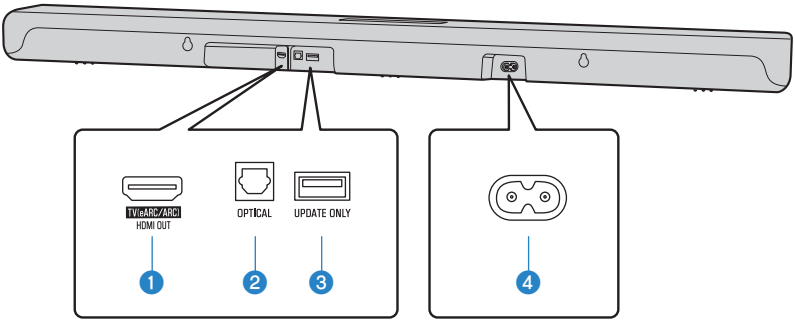
- To prevent unintended operation, do not place anything on the controls of the sound bar.
  Enabling the Child Lock function prevents accidental operation.
- The brightness of the indicators can be adjusted by pressing DIM.

Related links

- "Part names of the remote control" (p.14)
- "Surround playback" (p.35)
- "Stereo playback" (p.36)
- "Playing human voices at higher volume (CLEAR VOICE)" (p.39)
- "Enabling/disabling the Child Lock function" (p.50)
- "Changing the brightness of the indicators (Dimmer)" (p.47)
- "List of indicator displays" (p.82)

Part names of the sound bar (rear)

This section describes the part names and functions of the rear of the sound bar.



1. **HDMI OUT/TV (eARC/ARC) jack** (p.23)

2. **OPTICAL input jack** (p.27)

3. **UPDATE ONLY jack**

   Use to update the sound bar's firmware.

   Refer to the Update Guide on Yamaha website for details.

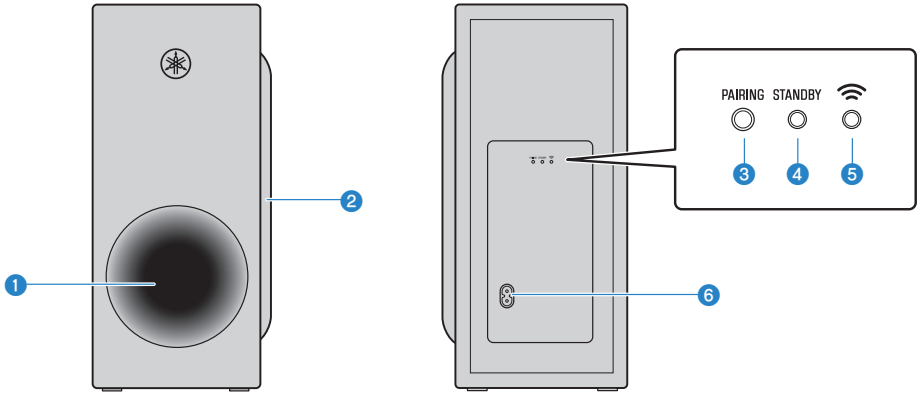
4. **AC power input jack**

Related links

- "Part names of the sound bar (front/top)" (p.10)
- "Part names of the remote control" (p.14)

Part names of the subwoofer

This section describes the part names and functions of the subwoofer.



Front

Rear

1. **Bass reflex port**
2. **Speaker**
3. **PAIRING button**

   Use to pair the sound bar with the subwoofer manually (p.75).
4. **STANDBY indicator**

   Indicates the status of the subwoofer (p.64).
5. **Indicator**

   Glows when the subwoofer is connected to the sound bar (p.30).
6. **AC power input jack**

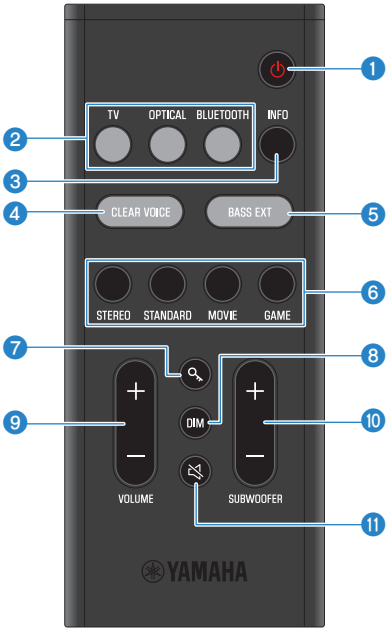
   Use to connect the power cord of the subwoofer.

Related links

“List of indicator displays” (p.82)

Part names of the remote control

This section describes the part names and functions of the remote control.



❶ **⏻ (Power) button**

Turn the sound bar on and off (p.30).

❷ **Input source buttons**

Select an audio input source (p.31).

- TV button: Audio from a TV
- OPTICAL button: Audio from a device connected to the OPTICAL input jack
- BLUETOOTH button: Audio from a Bluetooth device

❸ **INFO button**

Check information such as the type of audio signal being played and the settings for the sound bar's functions (p.46).

❹ **CLEAR VOICE button**

Enable or disable the Clear Voice function (p.39).

❺ **BASS EXT button**

Enable or disable the Bass Extension function (p.38).

❻ **Sound mode buttons**

Switch to your preferred sound mode (p.33).

- STEREO
- STANDARD
- MOVIE
- GAME

❼ **(Child Lock) button**

Enable or disable the Child Lock function (p.50).

❽ **DIM button**

Switch the brightness of the indicators of the sound bar (p.47).

❾ **VOLUME (+/-) button**

Adjust the volume of the sound bar (p.31).

❿ **SUBWOOFER (+/-) button**

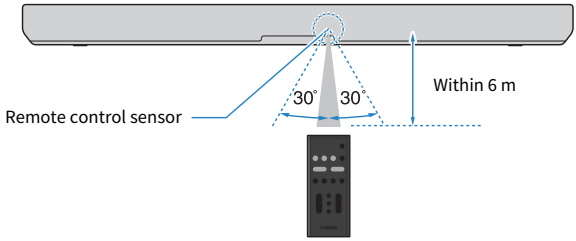
Adjust the volume of the subwoofer (p.37).

⓫ **(Mute) button**

Mute the audio output (p.31). Press this button again, or press VOLUME (+/-) to unmute.

NOTE

Use the remote control within the range shown in the following illustration:



Related links

“Part names of the sound bar (front/top)” (p.10)

PREPARATION FOR USE

Preparation

Install the sound bar and connect a TV to it.

1 Confirm that all of the included items are present.

“Confirming the included items” (p.20)

2 Install the sound bar and subwoofer.

“Installing the product” (p.22)

3 Connect the sound bar to a TV.

Connect the sound bar to the TV using a method suitable for the type of jacks on the TV and the functions to be used.

“Connecting to a TV compatible with ARC” (p.23)

“Connecting to a TV not compatible with ARC” (p.25)

4 Connect an audio device (if required).

“Connecting to an audio device and to power” (p.27)

5 Prepare the remote control.

“Preparing the remote control” (p.29)

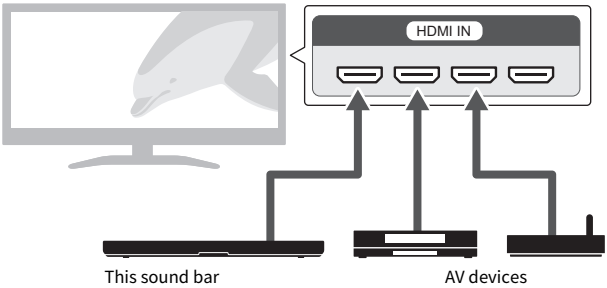
6 Turn on the sound bar.

When the sound bar is turned on, the subwoofer turns on at the same time.

“Turning on the sound bar” (p.30)

NOTE

- Connect AV devices (such as BD/DVD players and set top boxes) to the TV's HDMI input jacks.



- When playing audio from a TV or AV device via the sound bar, set the input sources as follows:
  - Sound bar's input source: TV
  - TV's input source: AV device playing the content

Precautions for preparation

Before installing the sound bar and connecting other devices, be sure to read the following precautions. Be sure to follow the precautions.

■ Precautions for installation

WARNING

- Install as instructed in the User Guide. Failure to observe this may cause devices to fall and result in injury.
- Confirm that the finished installation is safe and secure. Also, carry out safety inspections periodically. Failure to observe this may cause devices to fall and result in injury.
- Do not expose the product to rain, use it near water or in damp or wet conditions, or place on the product any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings or places where water may drop. A liquid such as water getting into the product may cause a fire, electric shocks, or malfunctions.
- Do not place any burning items or open flames near the product, since they may cause a fire.
- Do not use this product near medical devices or inside medical facilities. Radio waves from this product may affect electro-medical devices.

CAUTION

- Do not place the product in an unstable position where it might accidentally drop or fall over and cause injuries.
- When installing this product, do not obstruct heat dissipation. Failure to observe this may trap heat inside the product, causing a fire or malfunctions.
- Avoid being near the product during a disaster, such as an earthquake. Since the product may turn over or fall and cause injury, quickly move away from the product and go to a safe place.
- Do not install the product in places where it may come into contact with corrosive gases or salt air, or places that have excessive smoke or steam. Doing so may result in malfunction.

NOTICE

- Do not press hard on the speaker units or fabric-covered portion of this product.
- Do not place any objects susceptible to magnetism (such as a hard disk drive or magnetic card) near the product. The magnetic effect of the sound bar may cause damage to the object or its recorded data.
- Do not use this product in a location that becomes extremely hot, such as in direct sunlight or near a heater, or that becomes extremely cold, or that is subject to excessive dust or vibration. Failure to observe this may cause this product's panel to become deformed, the internal components to malfunction, or for operation to become unstable.
- If using a wireless function, avoid installing this product near metal walls or desks, microwave ovens, or other wireless network devices. Obstructions could shorten the transmission distance.
- Do not stack the sound bar and subwoofer directly on top of one another. Also, do not stack other AV devices directly on or under this product. These devices may malfunction due to vibrations.
- Do not place the subwoofer in the following ways. Doing so may cause a loss in bass sound volume.
  - With the speaker units (fabric-covered portion) placed tightly against the wall
  - With the bass reflex port blocked
- Do not place furniture or other objects made of metal between the sound bar and subwoofer. Doing so may interfere with the wireless connection.

■ Precautions for connections

WARNING

- Use this product with the power supply voltage printed on it. Failure to observe this may cause a fire, electric shocks, or malfunctions.
- Be sure to use the supplied power cord. Do not use the supplied power cord for other devices. Failure to observe this may cause a fire, electric shocks, or malfunctions.
- Never insert or remove an electric plug with wet hands. Do not handle this product with wet hands. Failure to observe this may cause electric shocks or malfunctions.
- Do not touch the power plug or cord if there is a chance of lightning. Failure to observe this may cause electric shocks.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the AC outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- If not using the product for long periods of time, be sure to pull the power plug from the AC outlet. Failure to observe this may cause a fire or malfunctions.
- Check the electric plug periodically and remove any dirt or dust which may have accumulated on it. Failure to observe this may cause a fire or electric shocks.

CAUTION

- Do not use an AC outlet where the power plug fits loosely when inserted. Failure to observe this may cause a fire, electric shocks, or burns.
- When disconnecting the power plug, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shocks or a fire.
- Insert the power plug firmly all the way into the AC outlet. Using the product when it is not plugged in sufficiently can cause dust to accumulate on the plug, causing a fire or burns.

NOTICE

- If connecting external devices, be sure to thoroughly read the User Guide for each device and connect them in accordance with the instructions. Failure to properly handle a device in accordance with the instructions could cause malfunctions.
- Do not connect this product to industrial devices. This product has been designed to connect to consumer-use devices. Connection to an industrial-use device could cause this product to malfunction.
- When connecting the sound bar to a TV, be sure to use the included HDMI cable.

Confirming the included items

The following items are included with this product. Make sure that all of the included items are present.

■ Main devices

- Sound bar (ATS-CUB400)

- Subwoofer (SR-WSWB40A)

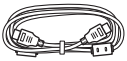
■ ACCESSORIES

- Remote control

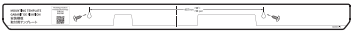
* A Lithium battery (CR2025) has already been inserted into the remote control.

- Power cords (×2)

- HDMI cable (1.5 m)



- Mounting template



* Use when mounting the sound bar on a wall.

- Spacers (×2)

* Use when mounting the sound bar on a wall.

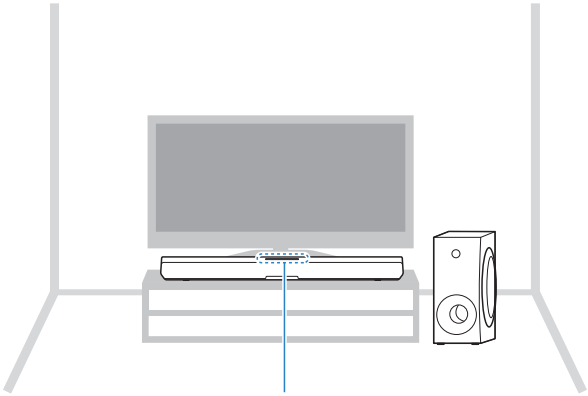
- Quick Guide

- Safety Guide

Installing the product

- Before installing the sound bar, be sure to read the following precautions.
  - “Precautions for preparation” (p.18)

Install the sound bar and subwoofer as shown in the following illustration. Place the subwoofer to the side of the sound bar. To prevent sound from reflecting off the wall, point the front of the subwoofer slightly inward.



NOTE

For proper installation of the sound bar on a wall, make sure to have the work done by the dealer from where you purchased the product or by a contractor with qualified service personnel. Refer to the Wall Mounting Installation Guide for more information.
https://manual.yamaha.com/av/sb/wallmount/srb40a_b30a/

Connecting to a TV and to power

Connecting to a TV compatible with ARC

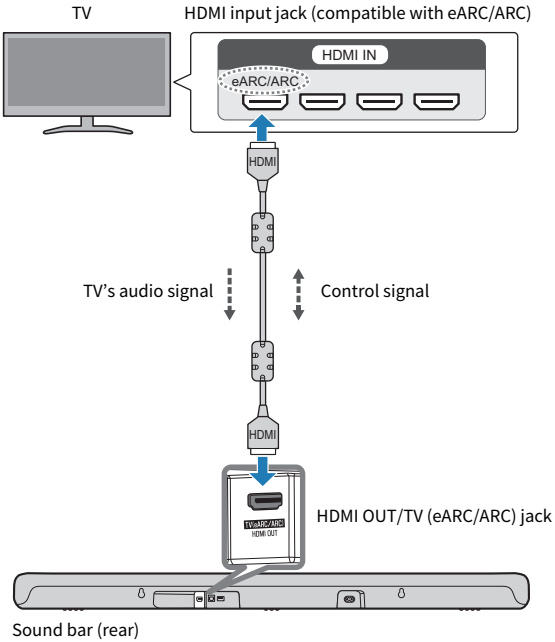
- Before connecting devices, be sure to read the following precautions.
  - “Precautions for preparation” (p.18)

Connect to the TV using the included HDMI cable that is compatible with ARC.

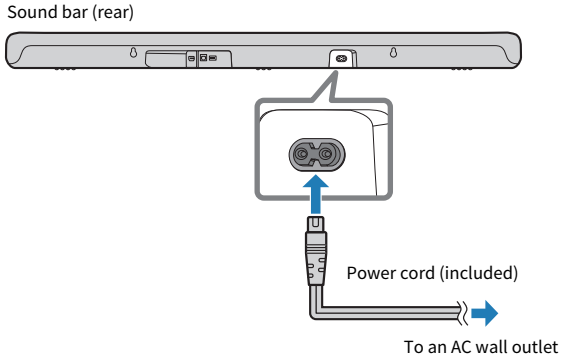
The HDMI cable transmits the TV’s audio signal and the control signal for controlling the sound bar using the TV’s remote control.

1 Connect the sound bar to a TV.

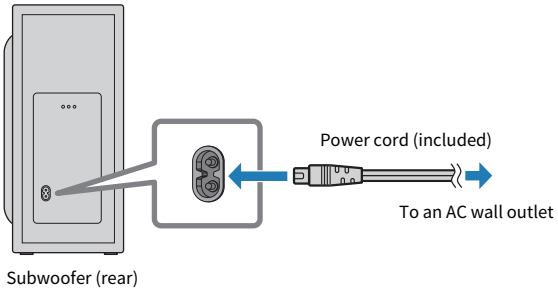
Connect the HDMI cable to the HDMI input jack compatible with Audio Return Channel (labeled as “eARC” or “ARC”) on the TV.



2 Connect the sound bar to power.



3 Connect the subwoofer to power.



NOTE

- eARC is an abbreviation for Enhanced Audio Return Channel. It is an extension of the ARC functionality and is capable of transmitting high-definition audio signals such as Dolby Atmos via a TV, which ARC cannot transmit.
- The HDMI Control function of the sound bar is enabled by default. Disable the HDMI Control function when not using it.
- Connect an AV device (such as a set top box) to the TV.

Related links

“Enabling/disabling the HDMI Control function” (p.48)

Connecting to a TV not compatible with ARC

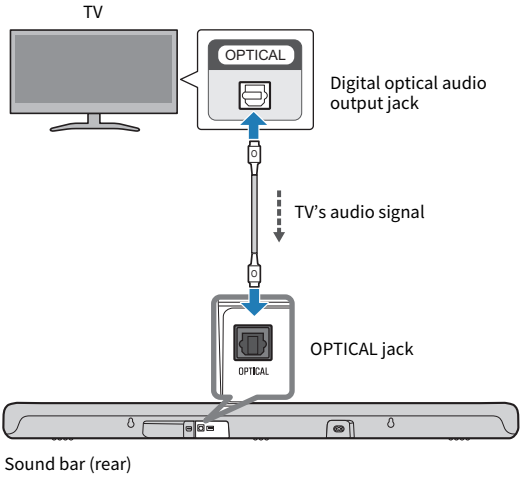
- Before connecting devices, be sure to read the following precautions.
  - “Precautions for preparation” (p.18)

Connect to the TV using a digital optical audio cable (commercially available).

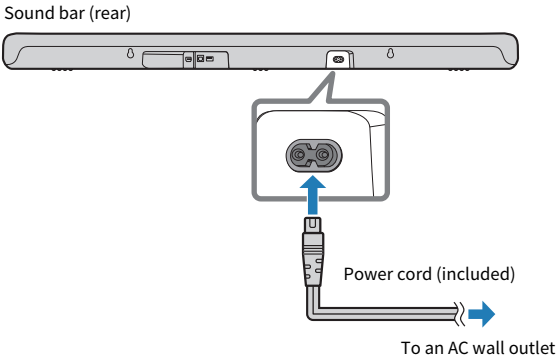
The digital optical audio cable transmits the TV’s audio signal to the sound bar.

1 Connect the sound bar to a TV.

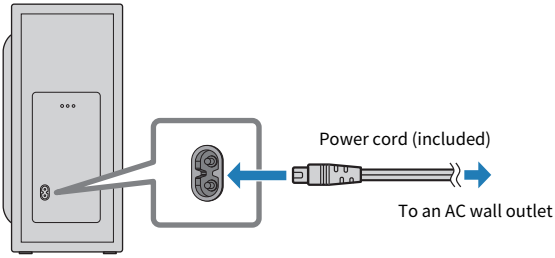
Connect to the digital optical audio output jack of the TV.



2 Connect the sound bar to power.



3 Connect the subwoofer to power.



NOTE

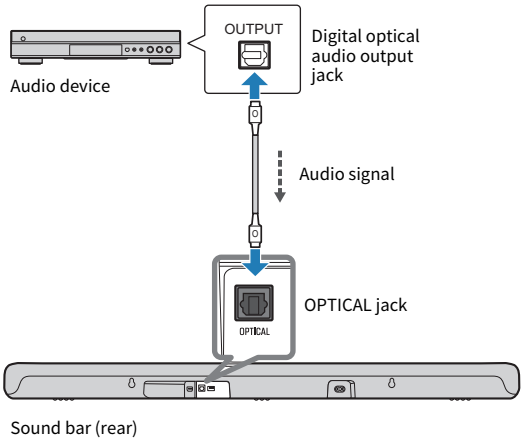
- To play audio from a TV via the sound bar, set the input source as follows:
  - Sound bar's input source: OPTICAL
- Dolby Atmos audio cannot be played when a TV is connected with a digital optical audio cable.

Connecting to an audio device and to power

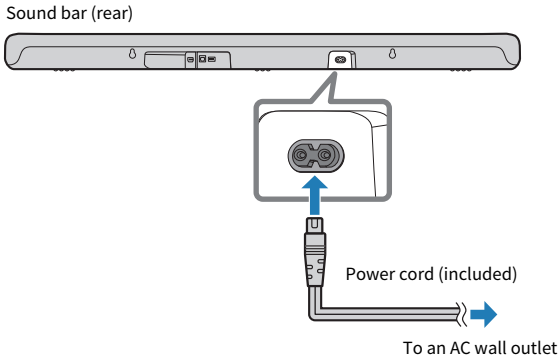
- Before connecting devices, be sure to read the following precautions.
  - “Precautions for preparation” (p.18)

An audio device equipped with a digital optical audio output jack can be connected to the sound bar directly with a digital optical audio cable (commercially available).

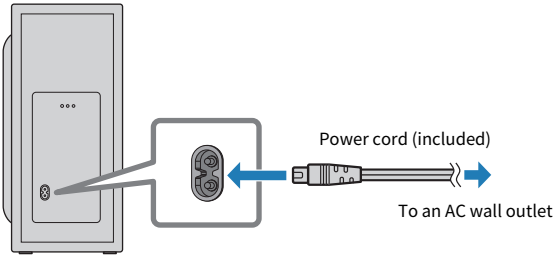
1 Connect an audio device to the sound bar.



2 Connect the sound bar to power.



3 Connect the subwoofer to power.

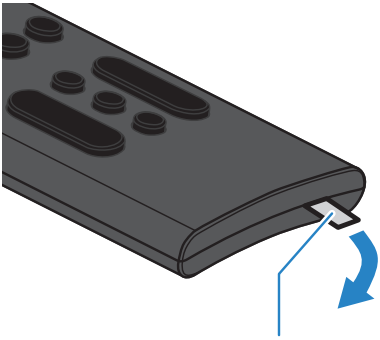


NOTE

- When connecting a device equipped with video output, connect the video output jack directly to the video input jack on the TV.
- A device other than a TV cannot be connected with the HDMI cable.

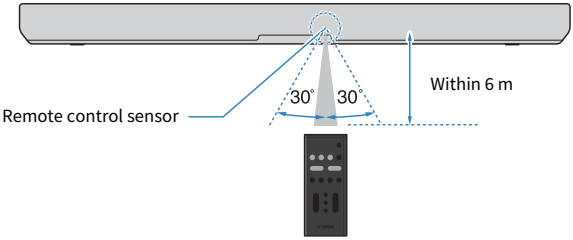
Preparing the remote control

Remove the battery insulating strip before attempting to use the remote control.



NOTE

Use the remote control within the range shown in the following illustration:



Related links

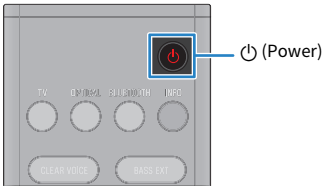
“How to replace the remote control battery” (p.73)

Turning on the sound bar

Turn the sound bar on and off (standby).

1 Press ⏻ (power) button.

Pressing the button turns the sound bar on and off.



When the sound bar is turned on, all the indicators glow, and then some indicators remain glowing to show the statuses of settings.

Example: Normal display

When the sound bar is turned off, the indicators go off.

NOTICE

- If not using the product for a long period of time, be sure to unplug the power plug from the AC outlet. Even if the product is turned off (standby) by the sound bar's power button, a small amount of current is still flowing.

NOTE

- The same control operation can also be performed from the sound bar's power button.
- When the sound bar is turned on, the sound bar and subwoofer are automatically connected wirelessly. When the connection is established, the ⌔ indicator on the rear of the subwoofer glows.

PLAYBACK

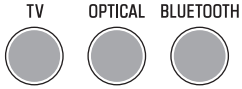
Basic control during playback

This section describes the basic control operations available during playback.

■ Selecting an input source

Press one of the following buttons.

- TV button: Audio from a TV
- OPTICAL button: Audio from a device connected to the OPTICAL input jack
- BLUETOOTH button: Audio from a Bluetooth device

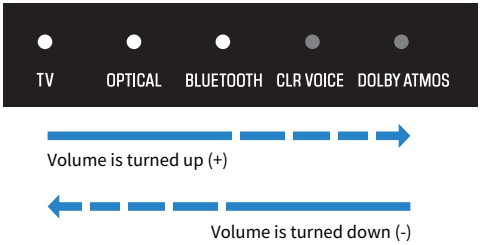


The indicator of the selected input source button glows.

■ Adjusting volume

Press VOLUME (+/-) to adjust the volume.

The number of glowing indicators changes to show the volume level.



If audio is being output from both the TV speakers and the sound bar, mute the TV.

To temporarily mute the sound bar, press 🔇. To unmute, press 🔇 again or press VOLUME (+/-).

While muted, the indicators will show the following.

Flashing

NOTE

The same operations can also be performed from the sound bar's controls.

- (Input): For selecting a device to play.
- -/+ (Volume -/+): For adjusting the volume

Related links

- "Surround playback" (p.35)
- "Stereo playback" (p.36)
- "Playing human voices at higher volume (CLEAR VOICE)" (p.39)
- "Enjoying rich bass sound (BASS EXT)" (p.38)
- "Listening to audio from a Bluetooth® device" (p.41)

Adjusting the sound to your preference

Sound functions of this product

This product is equipped with sound modes for surround playback and for stereo playback. There are also various sound settings for adjusting the sound to suit your preferences even better.

■ Sound modes

A sound mode can be selected from among three sound modes for surround playback and one sound mode for stereo playback.

STEREO

This sound mode provides stereo playback. This sound mode is best suited for music playback.

STANDARD

This sound mode provides surround playback that is best suited for TV programs such as sports broadcasts. It emphasizes the acoustic image of human voices and makes the voices easier to hear, while reproducing a wide sound field.

MOVIE

This sound mode provides surround playback that is best suited for movies. It creates a sound space that seems to envelop your body.

GAME

This sound mode provides surround playback that is best suited for video games. It accurately reproduces and emphasizes the localization of individual sound effects for a highly immersive gaming experience.

■ Sound settings

The sound settings allow you to adjust the sound to better suit your preferences.

Clear Voice

The human voices within the audio can be heard more easily without turning up volume when the Clear Voice function is enabled. The function is recommended for enjoying movies or dramas at a low volume, and for movies or dramas that use a lot of background music and sound effects.

Bass Extension

The acoustic image of bass sound is enhanced when the Bass Extension function is enabled. It reproduces rich bass sound with strong presence by clarifying the acoustic image of bass sound without disturbing the balance of the overall sound.

Tone control (via the app only)

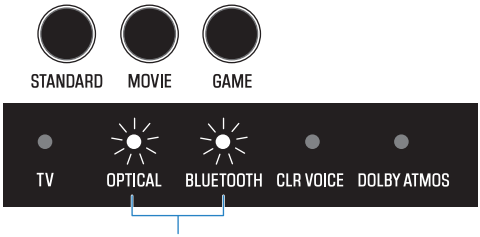
This function separately adjusts the volumes of the high and low frequency ranges. It allows you to enjoy the sound with your preferred audio balance.

Related links

- “Surround playback” (p.35)
- “Stereo playback” (p.36)
- “Playing human voices at higher volume (CLEAR VOICE)” (p.39)
- “Enjoying rich bass sound (BASS EXT)” (p.38)
- “Adjusting the volume for frequency ranges separately (Tone control)” (p.40)

Surround playback

Press STANDARD, MOVIE, or GAME to switch to surround playback. Select your preferred sound mode according to the content viewed or listened to.



NOTE

- Press INFO to see whether surround playback is selected.
- The sound bar uses the following technologies to achieve a full surround sound experience.
  - Dolby Atmos: An object-based surround technology. Going beyond traditional channel-based approaches, it controls content audio as an assembly of many objects (a combination of audio information and information about sound location changes). This allows for more precise sound control and helps to reproduce sound that is more faithful to the intentions of content creators by taking advantage of the characteristics of the sound bar.

Related links

- “Sound functions of this product” (p.33)
- “Showing the type of audio signal and settings for functions” (p.46)

■ Switching the sound characteristics setting of MOVIE

The sound characteristics can be partially changed for when the sound mode is set to MOVIE.

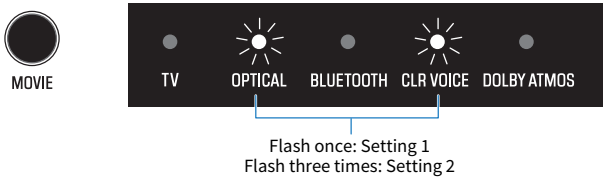
Press and hold MOVIE on the remote control for at least five seconds to switch between Setting 1 and Setting 2.

Setting 1: Ideal sound characteristics designed by Yamaha

Setting 2: Sound characteristics for the Dolby Atmos decoder

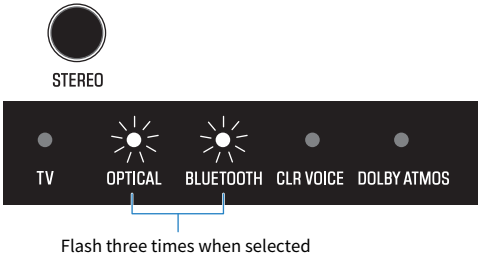
Default setting: Setting 1

When the setting is switched, the indicators on the front of the sound bar show the selected setting as follows:



Stereo playback

Press STEREO to switch to 2-channel stereo playback.



NOTE

Press INFO to see whether stereo playback is selected.

Related links

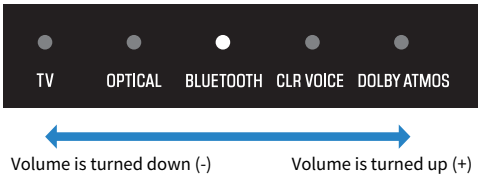
- “Sound functions of this product” (p.33)
- “Showing the type of audio signal and settings for functions” (p.46)

Adjusting the volume of the subwoofer

Adjust the volume of the subwoofer only.

Press SUBWOOFER (+/-) to adjust the volume.

The glowing indicator changes to show the volume level.

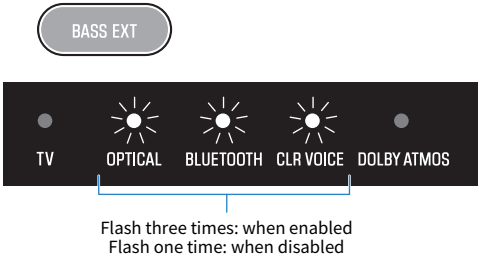


Enjoying rich bass sound (BASS EXT)

The acoustic image of bass sound is enhanced when the Bass Extension function is enabled. The subwoofer volume remains the same, but the overall acoustic image of bass sound is adjusted to be more clear. Therefore, the presence of the acoustic image of the bass sound can be emphasized without disturbing the balance of the overall sound. This function is recommended when you want to increase the bass while suppressing the volume of the subwoofer, or when you want to emphasize the sounds of low-pitched instruments.

Press BASS EXT to enable or disable the function.

Default setting: Disabled



NOTE

Press INFO to see whether the Bass Extension function is enabled or disabled.

Related links

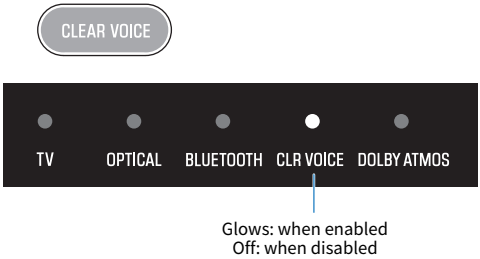
“Showing the type of audio signal and settings for functions” (p.46)

Playing human voices at higher volume (CLEAR VOICE)

The human voices within the audio can be heard more easily without turning up volume when the Clear Voice function is enabled. The function is recommended for enjoying movies or dramas at a low volume, and for movies or dramas that use a lot of background music and sound effects.

Press CLEAR VOICE to enable or disable the function.

Default setting: Disabled



NOTE

Clear Voice is a function that focuses on and emphasizes the acoustic image of human voices within the audio. Only the human voices are emphasized without changing the overall volume and frequency characteristics, and it gives a clear sense of localization to the human voices.

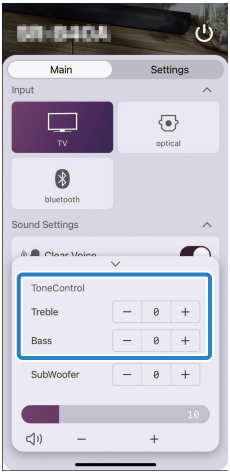
Adjusting the volume for frequency ranges separately (Tone control)

Tone control allows you to separately adjust the volume of the treble and bass to a balance that suits your preferences.

This function can only be controlled via the smartphone app “Sound Bar Remote”.

The treble and bass can be separately adjusted from -6 to +6.

Default setting: 0

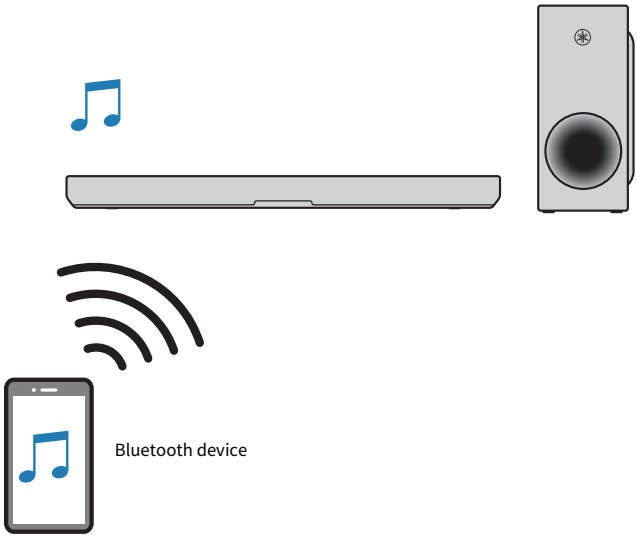


Related links

“Controlling the sound bar with the smartphone app (Sound Bar Remote)” (p.45)

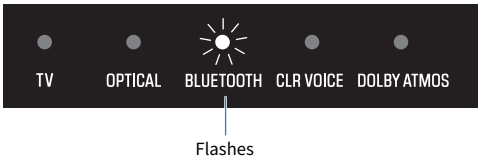
Listening to audio from a Bluetooth® device

Audio content from a Bluetooth device can be played through the sound bar.



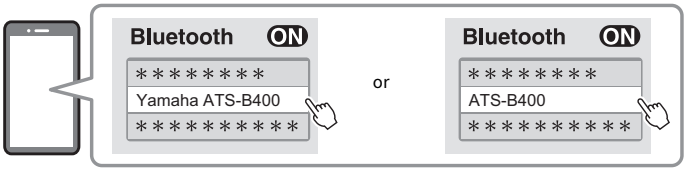
1 Press BLUETOOTH to switch the input source to Bluetooth.

The sound bar enters the connection wait status, and the BLUETOOTH indicator flashes.



2 On the Bluetooth device, enable the Bluetooth function.

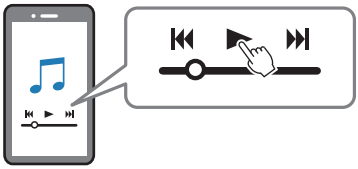
3 Select the sound bar on the Bluetooth device.



When the connection is established, the BLUETOOTH indicator on the sound bar stops flashing and starts glowing blue.

4 Start playback on the Bluetooth device.

The sound bar will begin playing audio from the Bluetooth device.



NOTE

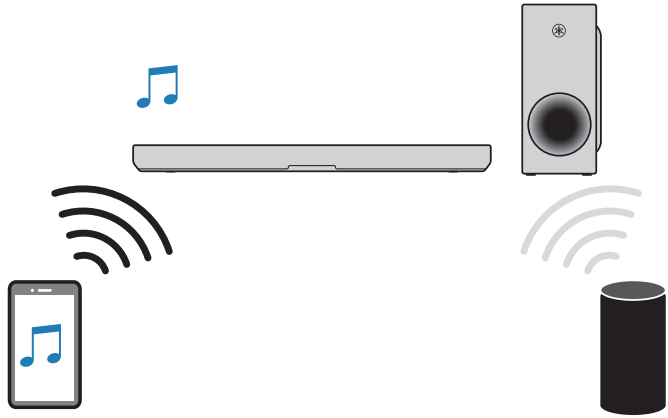
- Enabling the Bluetooth standby function allows the sound bar to be turned on automatically when a connection operation is performed with a Bluetooth device.
- If other Bluetooth devices have been connected before, the sound bar will connect to the last connected device when the input source is switched to Bluetooth.
- The Bluetooth connection is terminated if one of the following operations is performed.
  - The Bluetooth function of the Bluetooth device is turned off.
  - BLUETOOTH on the sound bar's remote control is held down for at least five seconds.
  - An input source other than Bluetooth is selected on the sound bar.
  - The sound bar is turned off.
- Adjust the volume level of the Bluetooth device if necessary.
- Perform Bluetooth device operations within 10 meters (33 ft) of the sound bar.

Related links

"Enabling/disabling the Bluetooth Standby function" (p.51)

■ Switching Bluetooth devices for playback (multipoint connection)

The sound bar can be connected to two Bluetooth devices simultaneously. It is easy to switch between the Bluetooth devices for playback.



Bluetooth device (performing playback)

Bluetooth device (playback stopped)

Perform the following procedures to switch between devices for playback.

1 Stop playback on the Bluetooth device.

2 Start playback on the other Bluetooth device.

Audio from the other Bluetooth device can be heard on the sound bar.

NOTE

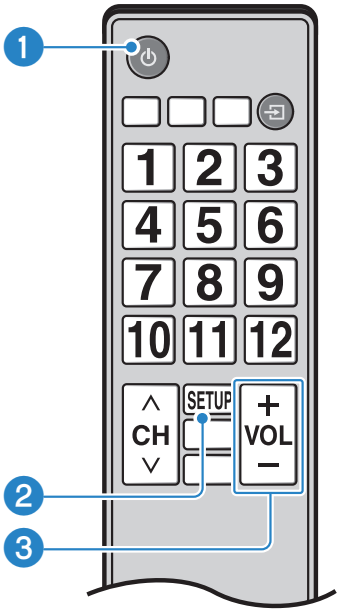
When connecting a new Bluetooth device, disconnect the currently connected Bluetooth device and then connect the new device.

LINKING WITH A TV

Controlling the sound bar with a TV's remote control (HDMI Control function)

When the sound bar is connected to a TV via an HDMI cable, the sound bar can be controlled using the TV's remote control. This is called the HDMI Control function.

TV's remote control (example)



❶ **Turn the power on and off**

Both the TV and the sound bar turn on/off at the same time.

❷ **Switch the audio output device**

The audio output device can be switched to the TV or the sound bar. Control operations vary depending on the TV's type.

❸ **Adjust volume**

The sound bar's volume can be adjusted when the TV's audio output is set to the sound bar.

Related links

"Enabling/disabling the HDMI Control function" (p.48)

CONTROLLING WITH THE APP

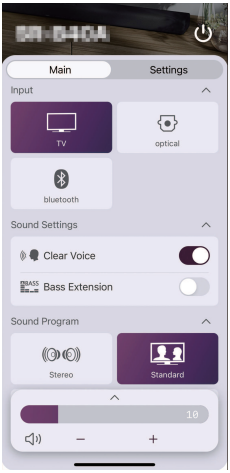
Controlling the sound bar with the smartphone app (Sound Bar Remote)

By installing the free dedicated app “Sound Bar Remote” on a smartphone, the sound bar can also be controlled from that smartphone.

Search for “Sound Bar Remote” on the App Store or Google Play and install it on the smartphone.

After installing the app on your smartphone, connect to the sound bar via Bluetooth and open the app.

The app allows you to control the sound bar while checking its current settings via the following simple screen.



For details on the app, see the description of the app on the App Store or Google Play.

NOTE

- This sound bar supports Sound Bar Remote only. This sound bar cannot be controlled using other apps (such as Sound Bar Controller).
- To control the sound bar using the app, configure the settings of the smartphone as follows:
  - Enable the Bluetooth function.
  - For devices using the Android 11 OS or earlier, configure the settings to allow location information to be obtained.
    The Sound Bar Remote app uses location information from the Android device only to detect the sound bar. The acquired location information will not be used for any other purpose.
  - For devices using the Android 12 OS or later, configure the settings to allow the use of nearby devices.

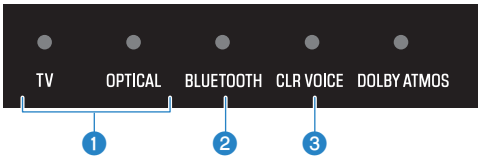
CHANGING AND INITIALIZING THE SETTINGS

Showing the type of audio signal and settings for functions

The type of audio signal being played and settings for the sound bar's functions can be checked.

1 Press INFO button.

The indicators on the sound bar will show the following information on the type of audio signal and the settings for functions for three seconds immediately after INFO is pressed.



❶ **Type of audio signal**

TV glows red: Dolby Atmos
TV glows white: Dolby Audio (Dolby Digital, Dolby Digital Plus, Dolby TrueHD)
OPTICAL glows white: AAC
TV and OPTICAL off: PCM, other signal, or no input signal

❷ **Whether surround playback is enabled or disabled**

Glows: Enabled
Off: Disabled (stereo playback)

❸ **Whether the Bass Extension function is enabled or disabled**

Glows: Enabled
Off: Disabled

Changing the brightness of the indicators (Dimmer)

Change the brightness of the indicators of the sound bar to one of three levels: “Bright”, “Dim”, or “Off”.
The brightness is “Dim” by default.

1 **Turn on the sound bar.**

2 **Press DIM button.**

Press the button to change the brightness in the order of “Off”, “Bright”, and “Dim”.

NOTE

Indicators glow brightly just after operation and then change to the specified brightness after a few seconds.

Enabling/disabling the HDMI Control function

Enabling the HDMI Control function allows the sound bar to be controlled using the TV's remote control.

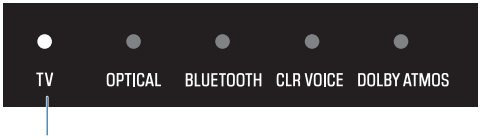
Default setting: Enabled

1 Turn off the sound bar.

2 Hold down TV for at least five seconds.

The HDMI Control function switches from enabled to disabled, or from disabled to enabled.

The indicator shows the setting status for a few seconds as follows, and the sound bar turns on.



Glows: when enabled
Off: when disabled

NOTE

- When connected to a TV's ARC-compatible HDMI input jack, enable the HDMI Control function.
- When you want to reduce standby power consumption, disable the HDMI Control function. In this case, use the included remote control to control the sound bar.

Related links

- "Connecting to a TV compatible with ARC" (p.23)
- "The sound bar cannot be controlled using the TV's remote control" (p.62)
- "How to minimize standby power consumption" (p.72)

Enabling/disabling the Auto Power Standby function

When the Auto Power Standby function is enabled, the sound bar turns off in any of the following situations.

- No control operations for eight hours
- No audio input and no control operations for 20 minutes

If you want to avoid forgetting to turn off the sound bar, enable the Auto Power Standby function.

The default setting varies depending on the model.

Models for U.S.A., Canada, Mexico, Australia, Mainland China, Taiwan, Indonesia, New Zealand, and India: Disabled

Models for Europe, U.K., Korea, and other areas: Enabled

1 **Turn off the sound bar.**

2 **While holding down ⇥ on the sound bar, press the power button for at least five seconds.**

The Auto Power Standby function switches from enabled to disabled, or from disabled to enabled.

The indicator shows the setting status for a few seconds as follows, and the sound bar turns on.

Enabling/disabling the Child Lock function

Locking the controls of the sound bar prevents accidental operation (Child Lock function).

Default setting: Disabled (no Child Lock)

1 Turn off the sound bar.

2 Hold down 🔑 for at least five seconds.

The Child Lock function switches from enabled to disabled, or from disabled to enabled.

The indicator shows the setting status for a few seconds as follows, and the sound bar turns on.

Glows: when enabled (Child Lock)
Off: when disabled (no Child Lock)

Enabling/disabling the Bluetooth Standby function

Enabling the Bluetooth Standby function allows the sound bar to be turned on automatically when a Bluetooth device connects to the sound bar.

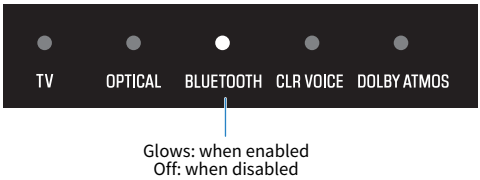
Default setting: Enabled

1 **Turn off the sound bar.**

2 **Hold down BLUETOOTH for at least five seconds.**

The Bluetooth Standby function switches from enabled to disabled, or from disabled to enabled.

The indicator shows the setting status for a few seconds as follows, and the sound bar turns on.



Enabling/disabling the Bluetooth function

The Bluetooth function can be disabled.

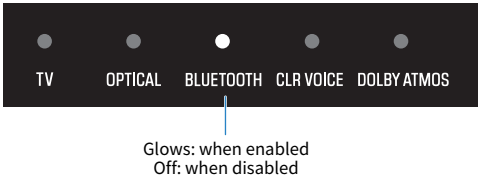
Default setting: Enabled

1 **Turn off the sound bar.**

2 **Hold down DIM for at least five seconds.**

The Bluetooth function switches from enabled to disabled, or from disabled to enabled.

The indicator shows the setting status for a few seconds as follows, and the sound bar turns on.



Initializing the sound bar

Reset the settings of the sound bar to the factory presets.

1 **Turn off the sound bar.**

2 **While holding down + on the sound bar, press the power button until all indicators flash.**

Initialization is performed. When initialization is complete, the indicators will show the following.

Flash (initialization complete)

TROUBLESHOOTING

Check the following first

Make sure of the following when the product does not function properly.

- The power cords of all the devices are connected to AC wall outlets securely.
- The product, TV and AV devices are turned on.
- The connectors of each cable are securely inserted into the jacks on each device.

Related links

“List of support centers” (p.85)

Power and overall functionality

The power turns off suddenly

● **The Auto Power Standby function turned off the sound bar.**

Enabling the Auto Power Standby function turns off the sound bar automatically in any of the following situations.

- No control operations for eight hours
- No audio input and no control operations for 20 minutes

Turn on the sound bar again. The Auto Power Standby function can be disabled.

- “Enabling/disabling the Auto Power Standby function” (p.49)

● **The TV indicator on the sound bar is flashing red. (The protection circuitry has been activated.)**

After confirming that all connections are made properly, turn on the sound bar again. If the power still turns off frequently, unplug the power cord from the AC wall outlet and contact the nearest authorized Yamaha dealer or service center.

- “List of support centers” (p.85)

The power cannot be turned on

● **The TV indicator flashed red and the power did not turn on three times consecutively when trying to turn on the sound bar (the protection circuit was activated three times consecutively).**

To protect the product, the power cannot be turned on. Unplug the power cord from the AC wall outlet and contact the nearest authorized Yamaha dealer or service center.

・“List of support centers” (p.85)

No operations can be performed from the sound bar's controls

● **There is no response even when the controls on the sound bar are operated.**

The controls of the sound bar may be locked. Unlock the controls of the sound bar.

・"Enabling/disabling the Child Lock function" (p.50)

All indicators are off although the power is on (the power appears to be off)

● **Indicator brightness is set to “Off”.**

Change the brightness.

・“Changing the brightness of the indicators (Dimmer)” (p.47)

The sound bar does not function correctly

- **The internal microcomputer is frozen due to an external electric shock (such as lightning or excessive static electricity) or to a drop in the power supply voltage.**

  Press the power button on the sound bar for at least 15 seconds to force the sound bar to turn off, and unplug the power cord of the subwoofer from the AC wall outlet. Wait for at least 10 seconds, then plug the power cord of the subwoofer back in and turn on the sound bar again.

The sound bar turns on by itself

● **Another Bluetooth device is being operated nearby.**

Terminate the Bluetooth connection with the sound bar.

・“Listening to audio from a Bluetooth® device” (p.41)

The sound bar cannot be controlled with the remote control

● **The sound bar is out of the operating range.**

Use the remote control within the operating range.

・“Part names of the remote control” (p.14)
・“Preparing the remote control” (p.29)

● **The battery has run out.**

Replace the battery with a new one.

・“How to replace the remote control battery” (p.73)

● **The remote control sensor of the sound bar is exposed to direct sunlight or strong lighting.**

Adjust the lighting angle or reposition the sound bar.

The sound bar cannot be controlled using the TV's remote control

● **The HDMI Control function is not properly configured.**

Confirm that the settings are properly configured as follows:

- The HDMI Control function of the sound bar is enabled.
- The HDMI Control function is enabled on the TV.
- In the TV's HDMI settings, the audio output destination is set to an option other than the TV's built-in speakers.

If the sound bar still cannot be controlled with the TV's remote control, perform the following:

- Turn off the sound bar and the TV, and then turn them back on again.
- Unplug the power cord of the sound bar, as well as the power cords of external devices connected to the sound bar via an HDMI cable, from the AC wall outlet. Plug them in again after about 30 seconds.

● **The TV does not support the sound bar's control functions.**

Even if your TV supports the HDMI Control function, some functions may not be available. For details, see the documentation supplied with your TV.

Related links

"Enabling/disabling the HDMI Control function" (p.48)

Audio playback

No sound

● **The input source you are attempting to play back from is not selected.**

Select the correct input source.

・“Basic control during playback” (p.31)

● **The mute function is active.**

Cancel the mute function.

・“Basic control during playback” (p.31)

● **The volume is too low.**

Turn up the volume.

・“Basic control during playback” (p.31)

● **The power cord of the sound bar is not connected securely.**

Make sure that the power cord of the sound bar is properly connected to an AC wall outlet.

● **A signal that the sound bar cannot play is being input.**

Change the digital audio output setting on the TV or AV device to a type of audio signal supported by the sound bar.

・“Supported digital audio signal formats” (p.81)

● **The HDMI Control function is disabled.**

When the sound bar is connected to a TV that supports ARC (Audio Return Channel) using an HDMI cable, enable the HDMI Control function.

・“Connecting to a TV compatible with ARC” (p.23)
・“Enabling/disabling the HDMI Control function” (p.48)

● **The audio output destination of a TV using HDMI Control function is the TV’s built-in speakers.**

In the TV’s HDMI settings, set the audio output destination to an option other than the TV’s built-in speakers.

No sound is coming from the subwoofer

● **The playback source does not contain subwoofer channel signals or low-frequency signals.**

Try to play content containing subwoofer channel signals, to see if any sound can be heard from the subwoofer.

● **The volume of the subwoofer is too low.**

Turn up the volume of the subwoofer.

- “Adjusting the volume of the subwoofer” (p.37)

● **The power cord of the subwoofer is not connected to an AC wall outlet.**

Connect the power cord of the subwoofer to an AC wall outlet.

● **The protection circuitry has been activated. (Both the STANDBY indicator and ⌔ indicator on the subwoofer are flashing.)**

To protect the product, the power of the subwoofer cannot be turned on. Unplug the power cord from the AC wall outlet and contact the nearest authorized Yamaha dealer or service center.

● **The ⌔ indicator on the subwoofer is flashing.**

The condition of the wireless connection is bad, and the subwoofer cannot be connected to the sound bar. Try the following.

- Place the subwoofer closer to the sound bar.
- If metal furniture is placed between the sound bar and subwoofer, change the layout or relocate the subwoofer.
- If a device emitting electromagnetic waves (such as a microwave oven or a wireless LAN device) is located nearby, place the subwoofer and sound bar farther away from it.

● **The subwoofer is waiting for pairing with the sound bar. (The STANDBY indicator on the subwoofer is flashing.)**

If the sound from the subwoofer could be heard until now without any problem:

The PAIRING button on the subwoofer was accidentally pressed, and the subwoofer has been in the pairing state.

Unplug the power cord of the subwoofer from the AC wall outlet, and then plug it in again after at least five seconds. Then, turn on the sound bar and it will function properly.

If this problem occurs after performing a pairing operation:

Pairing failed.

Unplug the power cord of the subwoofer from the AC wall outlet, and then plug it in again after at least five seconds. Check that the sound bar and subwoofer are installed properly, and try pairing the sound bar and subwoofer manually.

- “What to do if the sound bar and subwoofer are not paired automatically” (p.75)

The volume decreases when the sound bar is turned on

● **The Automatic Volume Adjustment function lowered the volume.**

To prevent unexpected excessive loudness, the sound bar is equipped with the Automatic Volume Adjustment function. If the sound bar was turned off with the volume set high, the volume is automatically adjusted to a safe listening level the next time the sound bar is turned on. Turn up the volume if necessary.

・“Basic control during playback” (p.31)

No surround effect

● **Stereo playback is selected.**

Select surround playback.

・“Surround playback” (p.35)

● **The volume is too low.**

Turn up the volume.

・“Basic control during playback” (p.31)

● **The TV or AV device is set to output 2-channel audio (such as PCM) only.**

Change the audio output setting on the TV or AV device to output Bitstream audio signals.

● **Sound is also heard from the TV’s built-in speakers.**

Turn the TV’s volume all the way down.

● **You are listening from a position that’s extremely close to the sound bar.**

You should listen at some distance from the sound bar.

Noise is heard

● **The sound bar is too close to another digital or high-frequency device.**

Move those devices away from the sound bar.

Bluetooth connection

The sound bar cannot be connected to a Bluetooth device

- **Bluetooth is not selected as the input source of the sound bar.**

  Select Bluetooth as the input source.

  ・“Listening to audio from a Bluetooth® device” (p.41)

- **The sound bar is too far away from the Bluetooth device.**

  Move the Bluetooth device closer to the sound bar.

- **A device emitting electromagnetic waves (such as a microwave oven or a wireless device) is located nearby.**

  Do not use the sound bar near devices that emit electromagnetic waves.

- **The Bluetooth device you are using does not support the A2DP profile.**

  Use a Bluetooth device that supports the A2DP profile.

- **The connection profile registered in the Bluetooth device is not functioning correctly.**

  Delete the connection profile in the Bluetooth device, and then connect the Bluetooth device to the sound bar.

- **The passkey for devices such as a Bluetooth adaptor is not “0000”.**

  Use a Bluetooth device with a passkey of “0000”.

- **The sound bar is already connected to another Bluetooth device (when connecting a Bluetooth device for the first time).**

  Terminate the current Bluetooth connection, and then connect to the new device.

- **The sound bar is already connected to two Bluetooth devices (when these devices have been connected to the sound bar before).**

  Disconnect one of the currently connected Bluetooth devices, and then connect to another device.

- **The Bluetooth function of the sound bar is disabled.**

  Enable the Bluetooth function.

  ・“Enabling/disabling the Bluetooth function” (p.52)

No sound can be heard or the sound cuts off intermittently from a Bluetooth device

- **The volume on the Bluetooth device is too low.**
  Raise the volume on the Bluetooth device.
- **Bluetooth is not selected as the input source of the sound bar.**
  Select Bluetooth as the input source.
  ・“Listening to audio from a Bluetooth® device” (p.41)
- **Playback is not being performed on the Bluetooth device.**
  Perform playback on the Bluetooth device.
- **The audio output destination on the Bluetooth device is not set to the sound bar.**
  Select the sound bar as the audio output destination on the Bluetooth device.
- **The connection to the Bluetooth device was terminated.**
  Connect to the Bluetooth device again.
- **The sound bar is too far away from the Bluetooth device.**
  Move the Bluetooth device near the sound bar.
- **A device emitting electromagnetic waves (such as a microwave oven or a wireless device) is located nearby.**
  Do not use the sound bar near devices that emit electromagnetic waves.
- **Playback is being performed on another Bluetooth device.**
  Stop the current playback, and perform playback on the other Bluetooth device.

Use of the app

The app cannot detect the sound bar

● **An app not supported by the sound bar is being used.**

This sound bar supports Sound Bar Remote only. Sound Bar Controller, Home Theater Controller, and MusicCast Controller cannot be used.

● **The Bluetooth function of the smartphone is disabled.**

Enable the Bluetooth function on the smartphone.

● **On an Android device, the function for obtaining location information is disabled.**

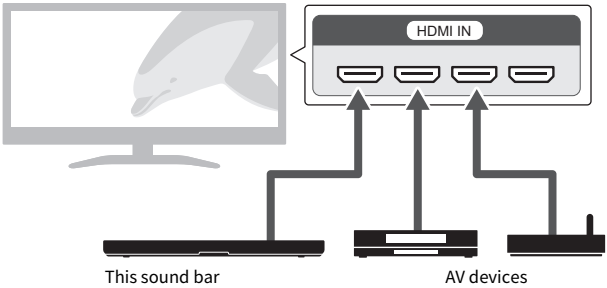
The Sound Bar Remote app uses the location information of the Android device only to detect the sound bar. According to your Android device OS, change the settings as follows:

- For devices using the Android 11 OS or earlier, configure the settings to allow location information to be obtained.
- For devices using the Android 12 OS or later, configure the settings to allow the use of nearby devices.

Other frequent actions

How to connect AV devices such as BD/DVD players

Connect AV devices, such as BD/DVD players and set top boxes, to the TV's HDMI input jacks.



When playing audio from a TV or AV device via the sound bar, set the input sources as follows:

- Sound bar's input source: TV
- TV's input source: AV device playing the content

How to minimize standby power consumption

Change the settings as follows:

- HDMI Control: Disabled
- Bluetooth Standby: Disabled

Related links

- “Enabling/disabling the HDMI Control function” (p.48)
- “Enabling/disabling the Bluetooth Standby function” (p.51)

How to replace the remote control battery

■ Precautions for remote control batteries

WARNING

- The remote control included with this product contains a coin/button cell battery. Do not ingest the coin/button battery. Keep new and used batteries away from children. If the battery compartment does not close securely, keep it away from children. If the coin/button cell battery is swallowed, it can cause severe chemical burns and dissolve tissues inside the body in less than 2 hours, and can lead to death. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- Do not dispose of a battery in fire. Do not expose a battery to high temperatures, such as direct sunlight or a fire. Do not attempt to charge the battery installed in the included remote control. The battery could burst or leak, causing a fire or injury.
- Do not disassemble a battery. If the battery leaks, avoid contact with the leaked fluid. If the contents of the battery get on your hands or in your eyes, it can cause blindness or chemical burns. If the battery fluid should come in contact with your eyes, mouth, or skin, wash immediately with water and consult a doctor.

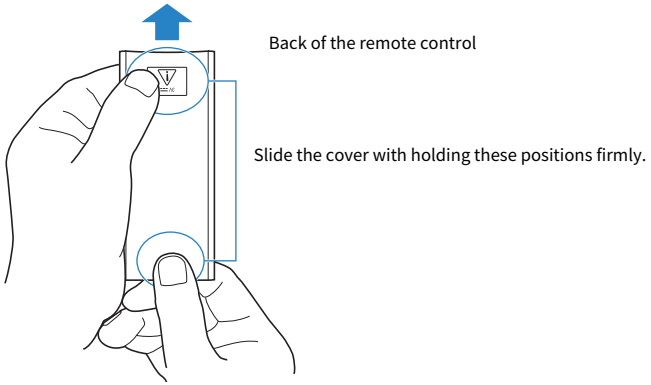
CAUTION

- Do not use a battery other than the specified one. Doing so may cause fire or burns, or result in fluid leakage that may cause skin inflammation.
- Always make sure the battery is inserted in conformity with the +/- polarity markings. Failure to do so might result in a fire, burns, or inflammation due to fluid leaks.
- When the battery runs out, or if the sound bar is not to be used for a long time, remove the battery from the remote control to prevent possible leakage of the battery fluid.
- Do not put in a pocket or bag, carry, or store batteries together with pieces of metal. The battery could short, burst, or leak, causing a fire or injury.
- When storing or discarding batteries, insulate the terminal area by applying tape, or some other protection. Mixing them with other batteries or metal objects can cause a fire, burns, or inflammation due to fluid.

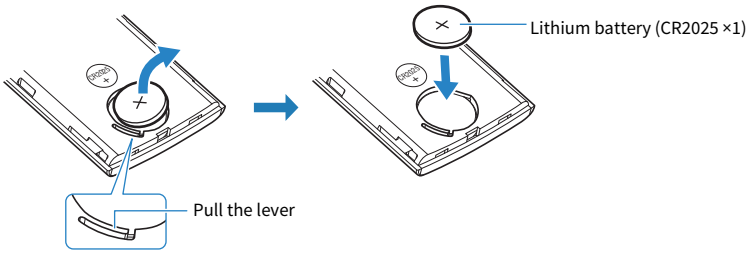
When the battery runs out, the sound bar can no longer be controlled with the remote control. Replace the battery with a new one.

■ Battery replacement procedure

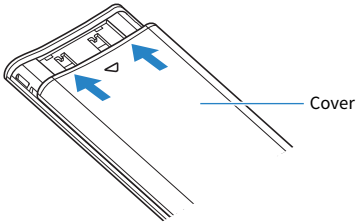
1 Slide the cover in the direction of the arrow to remove it.



2 Remove the old battery and insert a new one.



3 Put the cover over the remote control as shown in the figure, and slide the cover back into its original position in the direction of the arrow.



What to do if the sound bar and subwoofer are not paired automatically

Normally, the sound bar and subwoofer are paired automatically, but if they are not properly paired due to a temporary communications failure, pair them manually.

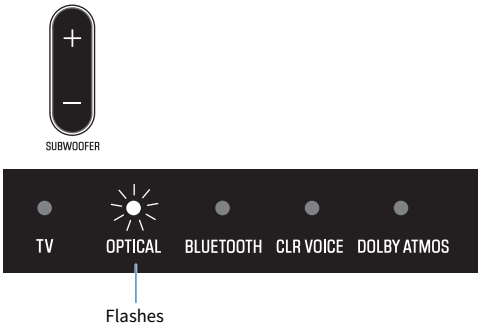
NOTE

Pairing is the process of having the sound bar and subwoofer recognize one another as devices to connect to.

1 **Turn off the sound bar.**

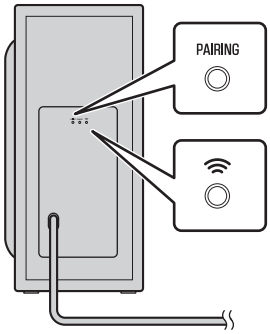
2 **Press and hold SUBWOOFER (-) on the remote control for at least five seconds.**

The sound bar is turned on, and the OPTICAL indicator on the sound bar flashes.



3 **Within 30 seconds, press and hold PAIRING on the rear of the subwoofer for at least five seconds.**

When the sound bar and subwoofer have been paired successfully, the ⩇ indicator glows.



If the ⩇ indicator on the subwoofer does not glow after following the procedure above, do the following and then perform pairing manually again.

- Move the subwoofer and/or the sound bar so that they are closer to each other.

- Install the sound bar and subwoofer in positions where they are not obstructed from each other by metal furniture.
- If a device emitting electromagnetic waves (such as a microwave oven or a wireless LAN device) is located nearby, place the subwoofer and sound bar farther away from it.

How to reset the sound bar

Reset the sound bar by performing the following operations.

■ Force the sound bar to turn off

Press the power button on the sound bar for at least 15 seconds.

Unplug the power cord of the subwoofer from the AC wall outlet. Wait for at least 10 seconds, then plug it in again.

■ To initialize the sound bar

Refer to the following explanation and reset the settings of the sound bar to the factory presets.

“Initializing the sound bar” (p.53)

SPECIFICATIONS AND SUPPORT

Specifications

The specifications of this product are as follows.

■ Sound bar

Amplifier section

Maximum rated output power	
• Front L/R	50 W × 2 channels

Speaker section

Front L/R	
• Type	Acoustic suspension type (non-magnetic shielding)
• Driver	4.6 cm (1-3/4") cone × 4
• Frequency response	210 Hz to 22 kHz
• Impedance	4 Ω (8 Ω × 2)
Tweeter	
• Type	Acoustic suspension type (magnetic shielding)
• Driver	2.5 cm (1") dome × 2
• Frequency response	9 kHz to 22 kHz
• Impedance	4 Ω

Input jack

Digital optical	1 (OPTICAL)

Output jack

HDMI	1 (HDMI OUT/TV (eARC/ARC))

Other jack

USB	1 (UPDATE ONLY)

Bluetooth

Function	Sink function (source device to this unit)
Bluetooth version	Ver 5.1
Supported profiles	A2DP
Supported codecs	Sink function: SBC, MPEG4-AAC
Bluetooth class	Bluetooth Class 1
Range (line-of-sight)	Approx. 10 m (33 ft)
Supported content protection method	SCMS-T (sink function)
Models for U.K. and Europe	
• Radio frequency	2402 MHz to 2480 MHz
• Maximum output power (EIRP)	7.8 dBm (6.0 mW)

General

Power supply	
• Models for U.S.A., Canada, Taiwan, and Mexico	AC 100 to 120 V, 50/60 Hz
• Models for U.K., Europe, and other areas	AC 100 to 240 V, 50/60 Hz
Power consumption	25 W
Standby power consumption	
• [Models for U.S.A., Canada, Taiwan, and Mexico]	
・HDMI Control/Bluetooth Standby: Off	0.3 W
・HDMI Control/Bluetooth Standby: On	0.6 W
• [Models for U.K., Europe, and other areas]	
・HDMI Control/Bluetooth Standby: Off	0.3 W
・HDMI Control/Bluetooth Standby: On	0.6 W
Dimensions (W x H x D)	
• Installing the Sound Bar in front of a TV, etc.	910 × 68 × 133 mm (35-7/8" × 2-5/8" × 5-1/4")
• Mounting the Sound Bar on a wall, with spacers	910 × 66 × 139 mm (35-7/8" × 2-5/8" × 5-1/2")
Weight	2.9 kg (6.4 lb)

NOTE

The contents of this User Guide apply to the latest specifications as of the publishing date. The latest version of the User Guide is available to download from the Yamaha website.

■ Subwoofer

Amplifier section

Maximum rated output power	100 W

Speaker section

• Type	Bass reflex (non-magnetic shielding)
• Driver	16 cm (6-1/4") cone × 1
• Frequency response	33 Hz to 210 Hz
• Impedance	2 Ω

Wireless function (Wireless communication between the sound bar and subwoofer)

• Radio frequency band	2.4 GHz
• Transmission range	Approx. 10 m ([33 ft] without interference)
Models for U.K. and Europe	
• Radio frequency	2403.35 MHz to 2477.35 MHz
• Maximum output power (EIRP)	9.0 dBm (7.9 mW)

General

Power supply	
• Models for U.S.A., Canada, Taiwan, and Mexico	AC 100 to 120 V, 50/60 Hz
• Models for U.K., Europe, and other areas	AC 100 to 240 V, 50/60 Hz
Power consumption	20 W (Rated)
Standby power consumption	0.8 W
Dimensions (W x H x D)	194 × 419 × 407 mm (7-5/8" × 16-1/2" × 16")
Weight	8.1 kg (17.9 lb)

NOTE

The contents of this User Guide apply to the latest specifications as of the publishing date. The latest version of the User Guide is available to download from the Yamaha website.

Supported digital audio signal formats

The following digital audio signals are supported by this product.

■ Audio input signals of the HDMI OUT/TV (eARC/ARC) jack

The following digital audio signals can be played on this product when they are input from the eARC- or ARC-compatible HDMI input jack on the TV to the HDMI OUT/TV (eARC/ARC) jack on the sound bar:

Signals from a TV's eARC-compatible HDMI input jack

Audio formats	Details
2-channel Linear PCM	2 channels, 32 / 44.1 / 48 / 88.2 / 96 kHz, 16 / 20 / 24-bit
Multi-channel PCM	Up to 7.1 channels, 32 / 44.1 / 48 / 88.2 / 96 kHz, 16 / 20 / 24-bit
Bitstream	Dolby Digital / Dolby TrueHD / Dolby Digital Plus / Dolby Atmos

Signals from a TV's ARC-compatible HDMI input jack

Audio formats	Details
2-channel Linear PCM	2 channels, 32 / 44.1 / 48 / 88.2 / 96 kHz, 16 / 20 / 24-bit
Bitstream	Dolby Digital / Dolby Digital Plus / Dolby Atmos

■ Audio input signals of the OPTICAL jack

The following digital audio signals can be played on this product when they are input from the digital optical output jack on the TV or AV device to the OPTICAL jack on the sound bar:

Audio formats	Details
2-channel Linear PCM	2 channels, 32 / 44.1 / 48 / 88.2 / 96 kHz, 16 / 20 / 24-bit
Bitstream	Dolby Digital

NOTE

The contents of this User Guide apply to the latest specifications as of the publishing date. The latest version of the User Guide is available to download from the Yamaha website.

List of indicator displays

The indicators of this product display information primarily in the following ways:

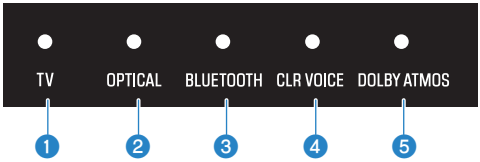
■ Sound bar's indicators

NOTE

This guide shows indicator glowing status as follows:

Power off state

Normal playback state



1. **TV**
   Glowing: Playing audio from the TV

2. **OPTICAL**
   Glowing: Playing audio from the OPTICAL input jack

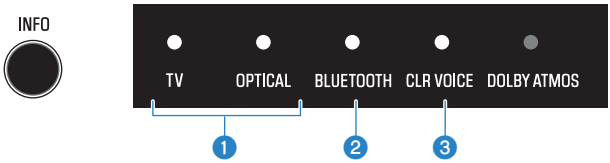
3. **BLUETOOTH**
   Glowing blue: Bluetooth device connection established
   Flashing white: Bluetooth device connection wait status

4. **CLR VOICE**
   Glowing: Clear Voice function is enabled

5. **DOLBY ATMOS**
   Glowing green: Dolby Atmos audio is playing in surround playback

Showing the type of audio signal and settings for functions

The indicators on the sound bar will show the following information on the type of audio signal and the settings for functions for three seconds immediately after INFO is pressed.



1. **Type of audio signal**

   TV glows red: Dolby Atmos
   TV glows white: Dolby Audio (Dolby Digital, Dolby Digital Plus, Dolby TrueHD)
   OPTICAL glows white: AAC
   TV andOPTICAL off: PCM, other signal, or no input signal

2. **Whether surround playback is enabled or disabled**

   Glows: Enabled
   Off: Disabled (stereo playback)

3. **Whether the Bass Extension function is enabled or disabled**

   Glows: Enabled
   Off: Disabled

Muted state

An error occurred

Flashes red

NOTE

- When the brightness of the indicators is set to “Off”, the indicators glow only during control operations.
- See the description of each setting for what the indicators will show when the setting is changed.

Related links

- “Basic control during playback” (p.31)
- “Showing the type of audio signal and settings for functions” (p.46)
- “Changing the brightness of the indicators (Dimmer)” (p.47)
- “Power and overall functionality” (p.55)

■ Information displayed by the indicators of the subwoofer

NOTE

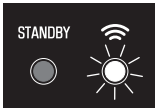
This guide shows indicator glowing status as follows:

Off Glowing Flashing

Power on state

Power off state (Standby)

Establishing a connection to the sound bar



Waiting for pairing with the sound bar

An error occurred and the protection circuitry has been activated

List of support centers

If the trouble still cannot be solved, please contact us for product support as explained below:

For customers within Japan

- Please contact the store where you purchased this product, or the Product Support Center as listed in the “Safety Guide” included with this product.

For customers outside of Japan

- Please contact your nearest authorized Yamaha dealer or service center.
  https://manual.yamaha.com/av/support/

SOFTWARE PROGRAMS AND TRADEMARKS

About third party software programs

This sound bar uses third party software programs.

For the copyright and the license agreement terms and conditions of third party software programs that are used, see the following website.

https://manual.yamaha.com/av/cm/sla/23/srb40a/

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