



Front Surround System

YAS-201 (YAS-CU201+NS-WSW40)

Owner's Manual



PDF versions of this manual can be downloaded from the following website.
<http://download.yamaha.com/>

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About this manual

- This manual explains operations using the supplied remote control.
- This manual describes all the "iPod", "iPhone" and "iPad" as the "iPod". "iPod" refers to "iPod", "iPhone" and "iPad", unless otherwise specified.
- Marks used in this manual

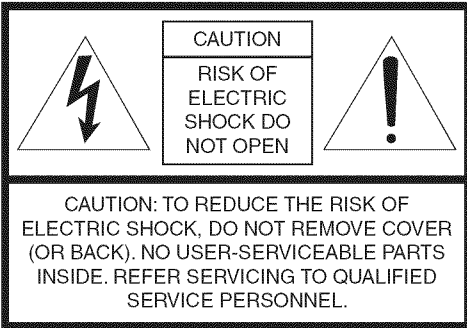
NOTE

This indicates precautions for use of the product and its feature limitations.

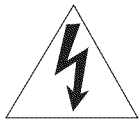
HINT

This indicates supplementary explanations for better use.

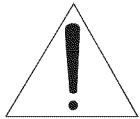
IMPORTANT SAFETY INSTRUCTIONS



Explanation of Graphical Symbols



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT

Please record the serial number of this unit in the space below.

MODEL:

Serial No.:

The serial number is located on the rear of the unit. Retain this Owner's Manual in a safe place for future reference.

FOR CANADIAN CUSTOMERS

To prevent electric shock, match wide blade of plug to wide slot and fully insert.

This Class B digital apparatus complies with Canadian ICES-003.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



We Want You Listening For A Lifetime



Yamaha and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing. Since hearing damage from loud sounds is often undetectable until it is too late, Yamaha and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.

FCC INFORMATION (for US customers)

- 1 **IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.
- 2 **IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.
- 3 **NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.
- 4 Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:
 - 5 Relocate either this product or the device that is being affected by the interference.
 - 6 Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.
 - 7 In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.
 - 8 If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America A/V Division 6600 Orangethorpe Ave., Buena Park, CA 90620.
 - 9 The above statements apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries.

- This device complies with Part 15 of the FCC Rules and RSSGen of IC Rules.
 - Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received including interference that may cause undesired operation.
- See the "Troubleshooting" section at the end of this manual if interference to radio reception is suspected.

FCC WARNING

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC/IC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).


This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

Do not use this unit within 22 cm (9 inches) of persons with a heart pacemaker implant or defibrillator implant.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if you turn off this unit by . In this state, this unit is designed to consume a very small quantity of power.


(Power key)

Turns on the power of this unit or sets it to the standby mode.

FOR YAS-CU201

- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- Install this unit in a well ventilated, cool, dry, clean place - away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold. For proper ventilation, allow the following minimum clearances:
Top: 5 cm (2 in), Rear: 5 cm (2 in), Sides: 1 cm (3/8 in)
- Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.
- Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.
- Avoid installing this unit where foreign objects may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
 - Other components, as they may cause damage and/or discoloration on the surface of this unit.
 - Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
 - Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.
- Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.
- Do not plug in this unit to a wall outlet until all connections are complete.
- Do not operate this unit upside-down. It may overheat, possibly causing damage.
- Do not use force on switches, knobs and/or cords.
- When disconnecting the power cable from the wall outlet, grasp the plug; do not pull the cable.
- Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.
- Only voltage specified on this unit must be used. Using this

unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. Yamaha will not be held responsible for any damage resulting from use of this unit with a voltage other than specified.

- To prevent damage by lightning, keep the power cable and outdoor antennas disconnected from a wall outlet or the unit during a lightning storm.
- Do not attempt to modify or fix this unit. Contact qualified Yamaha service personnel when any service is needed. The cabinet should never be opened for any reasons.
- When not planning to use this unit for long periods of time (i.e. vacation), disconnect the AC power plug from the wall outlet.
- Be sure to read the “Troubleshooting” section on common operating errors before concluding that this unit is faulty.
- Before moving this unit, press  to set this unit in standby mode, and disconnect the power supply cable from the wall outlet.
- Condensation will form when the surrounding temperature changes suddenly. Disconnect the power supply cable from the outlet, then leave the unit alone.
- Install this unit near the wall outlet and where the AC power plug can be reached easily.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or like.
- Secure placement or installation is the owner’s responsibility. Yamaha shall not be liable for any accident caused by improper placement or installation of speakers.

FOR NS-WSW40

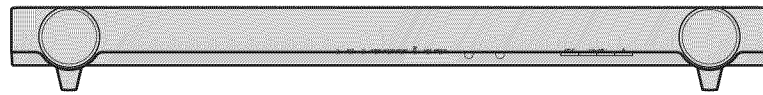
- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
 - Install this unit in a cool, dry, clean place - away from windows, heat sources, sources of excessive vibration, dust, moisture and cold. Avoid sources of humming (transformers, motors). To prevent fire or electrical shock, do not expose this unit to rain or water.
 - The voltage to be used must be the same as that specified on the rear panel. Using this unit with a higher voltage than specified is dangerous and may cause a fire and/or electric shock.
 - Do not use force on switches, controls or connection wires. When moving the unit, first disconnect the power plug and the wires connected to other equipment. Never pull the wires themselves.
 - When not planning to use this unit for a long period (i.e., vacation, etc.), disconnect the AC power plug from the wall outlet.
 - To prevent lightning damage, disconnect the AC power plug when there is an electric storm.
 - Since this unit has a built-in power amplifier, heat will radiate from the rear panel. Place the unit apart from the walls, allowing at least 20 cm of space above, behind and on both sides of the unit to prevent fire or damage.
Furthermore, do not position with the rear panel facing down on the floor or other surfaces.
 - Do not cover the rear panel of this unit with a newspaper,
- a tablecloth, a curtain, etc., in order not to obstruct heat radiation. If the temperature inside the unit rises, it may cause fire, damage to the unit and/or personal injury.
- Do not place the following objects on this unit:
 - Glass, china, small metallic, etc.
If glass, etc., falls as a result of vibrations and breaks, it may cause bodily injury.
 - A burning candle etc.
If the candle falls as a result of vibration, it may cause fire and bodily injury.
 - A vessel containing water
If the vessel falls as a result of vibration and water spills, it may cause damage to the speaker, and/or you may get an electric shock.
 - Do not place this unit where foreign material, such as dripping water. It might cause fire, damage to this unit, and/or personal injury.
 - Never put a hand or a foreign object into the YST port located on the right side of this unit. When moving this unit, do not hold the port, as it might cause personal injury and/or damage to this unit.
 - Never place a fragile object near the YST port of this unit. If the object falls or drops as a result of the air pressure, it may cause damage to the unit and/or personal injury.
 - Never open the cabinet. It might cause an electric shock, since this unit uses a high voltage. It might also cause personal injury and/or damage to this unit. If something drops into the set, contact your dealer.
 - When using a humidifier, be sure to avoid condensation inside this unit by allowing enough space around this unit or avoiding excess humidification. Condensation might cause fire, damage to this unit, and/or electric shock.
 - Super-bass frequencies reproduced by this unit may cause a turntable to generate a howling sound. In such a case, move this unit away from the turntable.
 - This unit may be damaged if certain sounds are continuously output at high volume level. For example, if 20 Hz-50 Hz sine waves from a test disc, bass sounds from electronic instruments, etc., are continuously output, or when the stylus of a turntable touches the surface of a disc, reduce the volume level to prevent this unit from being damaged.
 - If you hear distortion (i.e., unnatural, intermittent “rapping” or “hammering” sounds) coming from this unit, reduce the volume level. Extremely loud playing of a movie soundtrack’s low frequency, bass-heavy sounds or similarly loud popular music passages can damage this speaker system.
 - Vibration generated by super-bass frequencies may distort images on a TV. In such a case, move this unit away from the TV set.
 - Do not attempt to clean this unit with chemical solvents as this might damage the finish. Use a clean, dry cloth.
 - Be sure to read the “TROUBLESHOOTING” section regarding common operating errors before concluding that the unit is faulty.
 - Install this unit near the wall outlet and where the AC power plug can be reached easily.

Notes on remote controls and batteries

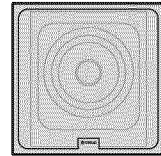
- Do not spill water or other liquids on the remote control.
- Do not drop the remote control.
- Do not leave or store the remote control in the following places:
 - places of high humidity, such as near a bath
 - places of high temperatures, such as near a heater or a stove
 - places of extremely low temperatures
 - dusty places
- Do not expose the remote control sensor of this unit to direct sunlight or lighting such as inverted fluorescent lamps.
- If the batteries grow old, the effective operation range of the remote control decreases considerably. If this happens, replace the batteries with two new ones as soon as possible.
- Do not use old batteries together with new ones.
- Do not use different types of batteries (such as alkaline and manganese batteries) together. Read the packaging carefully as these different types of batteries may have the same shape and color.
- Exhausted batteries may leak. If the batteries have leaked, dispose of them immediately. Avoid touching the leaked material or letting it come into contact with clothing, etc. Clean the battery compartment thoroughly before installing new batteries.
- Do not throw away batteries with general house waste. Dispose of them correctly in accordance with your local regulations.
- Keep batteries away from children. If a battery is accidentally swallowed, contact your doctor immediately.
- When not planning to use the remote control for long periods of time, remove the batteries from the remote control.
- Do not charge or disassemble the supplied batteries.

Supplied items

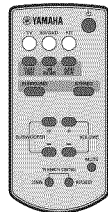
Make sure you have received all of the following items.



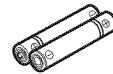
Sound bar (YAS-CU201)



Wireless subwoofer (NS-WSW40)



Remote control



Battery x 2
(AAA, R03, UM4)



Optical cable (1.5 m [4.9 ft])



Mounting template

* Using when attaching the sound bar to a wall

Features

• AIR SURROUND XTREME

Enjoy high-quality surround sound with a realistic sound effect (p.9).

• yAired yA@red

The sound bar and subwoofer can be connected wirelessly without any user setup. In addition, you can play back iPod or PC music on the unit via a wireless connection by using a Yamaha Wireless Transmitter for iPod (sold separately).

• Clear voice function

Make voice sound (such as dialogues and narrations) clear with just one touch (p.9).

• UniVolume function

Maintain a consistent volume between different channels, programs, commercials (p.9).

• TV remote control learning function

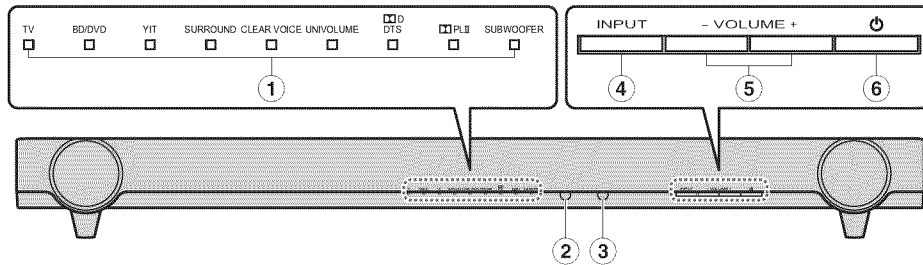
Operate the sound bar with the TV's remote control (p.10)

• TV Remote Repeater function

Enable the transmission of TV remote control signals via the sound bar when you cannot operate your TV from the remote control because the remote control sensor of the TV is blocked by the sound bar (p.11).

Part names and functions (sound bar/subwoofer)

Sound bar (front panel)



① Indicators

Indicate the status of the sound bar.
The indicators will dim automatically if no operations are performed for 5 seconds.

② Remote control sensor

Receives infrared signals from the remote control of the unit (p.8).

③ TV remote control sensor

Receives infrared signals from the TV remote control when the TV Remote Repeater function is enabled (p.11).

④ INPUT key

Selects an input source to be played back (p.8).

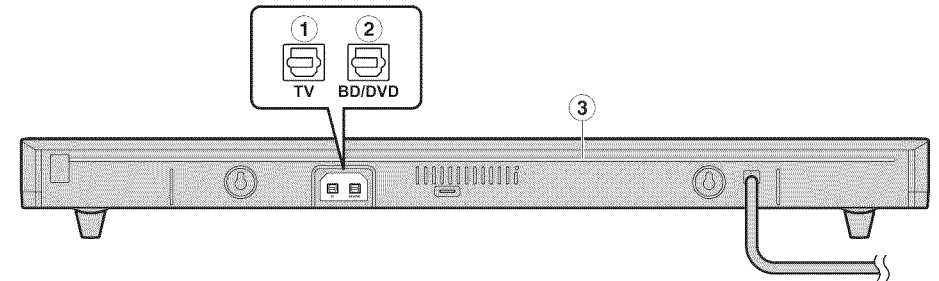
⑤ VOLUME keys

Adjust the volume (p.8).

⑥ (power) key

Turns on or off (standby) the sound bar (p.9).

Sound bar (rear panel)



① TV input jack

For connecting to a TV with an optical cable.

② BD/DVD input jack

For connecting to a playback device (such as a BD player) with an optical cable.

③ TV Remote Repeater

Transmits TV remote control signals received at the TV remote control sensor to the TV (p.11).

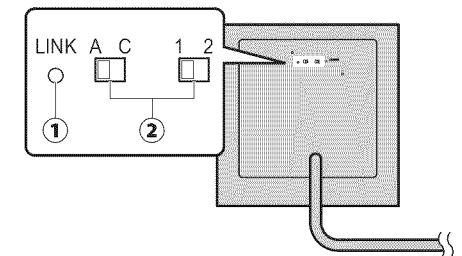
Subwoofer (rear panel)

① LINK indicator

Indicates the status of the wireless connection (lights up: connection established, flashes: preparing).

② Group ID switches

Set the group ID that is used for the wireless connection (p.11).



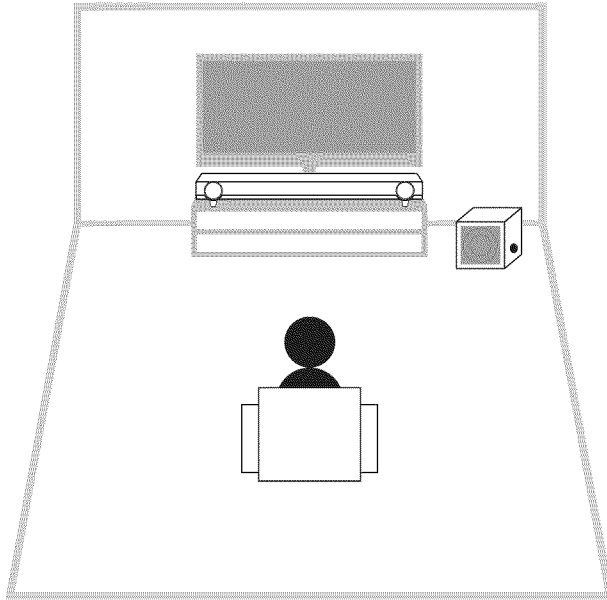
HINT

- The subwoofer automatically turns on/off when the sound bar is turned on or off (standby). The LINK indicator lights up when the subwoofer is turned on.

Installations

Place the sound bar on a flat surface such as on top of a TV cabinet.

Place the subwoofer to the outside of the sound bar. To reduce echoes from the wall, face the front side of the subwoofer slightly inward.



Cautions

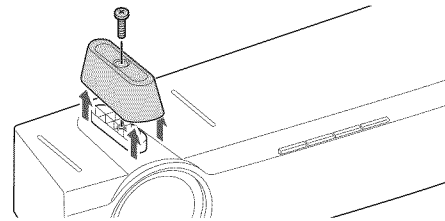
- Do not place the sound bar on/under any other devices such as BD player in a pile. Doing so may cause a malfunction due to vibrations.
- Do not touch the grille on the front and bottom of the sound bar.
- Place the sound bar away from your TV more than 50 mm (2") so as not to damage your TV with rear panel of the sound bar.
- Depending on your installation environment, it may be better to connect the sound bar and external devices (such as a TV) before installing the sound bar.

Removing the stands

When the sound bar blocks the view of the lower part of the TV screen or the remote control sensor of the TV, remove the stands (18 mm [3/4"]) of the sound bar to adjust its height.

HINT

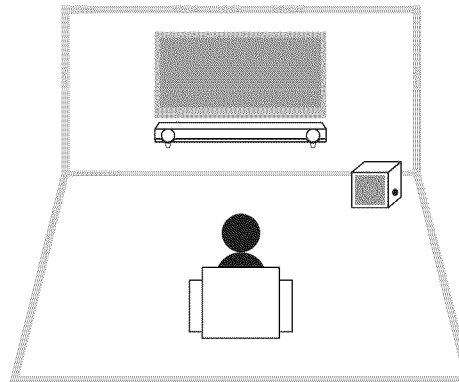
- Use the TV Remote Repeater function (p.11) to transmit TV remote control signals via the sound bar.



NOTE

- Keep the stands and screws in a safe place for future use.

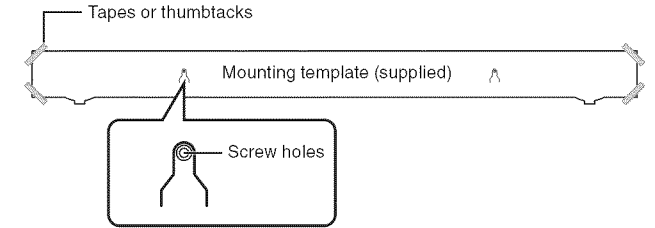
Attaching the sound bar to a wall



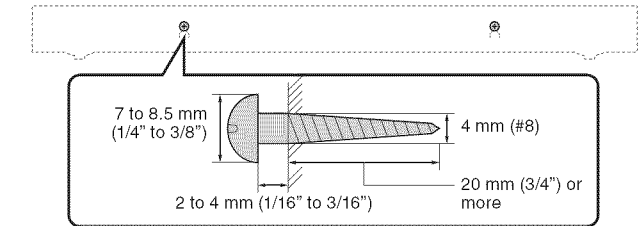
Cautions

- When installing the sound bar on a wall, all installation work must be performed by a qualified contractor or dealer. The customer must never attempt to perform this installation work. Improper or inadequate installation could cause the sound bar to fall, resulting in personal injury.
- Do not attach the sound bar to a wall that is made of weak materials such as plaster or veneered woods. Doing so may cause the sound bar to fall.
- Make sure you use commercially available screws that can support the weight of the installation (specified in Step 2). Using clamps other than specified screws, such as short screws, nails, and two-sided tape, may cause the sound bar to fall.

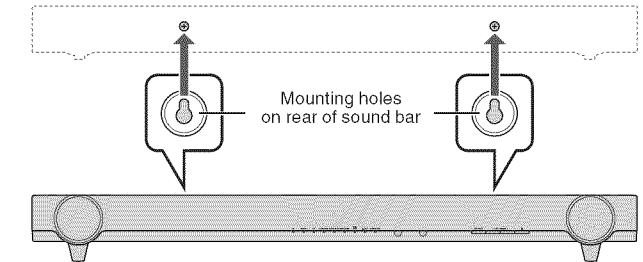
- 1 Attach the mounting template on a wall and mark for the screw holes.



- 2 Remove the mounting template from the wall and install the commercially available screws at the marks on the wall.



- 3 Hang the sound bar on the screws.



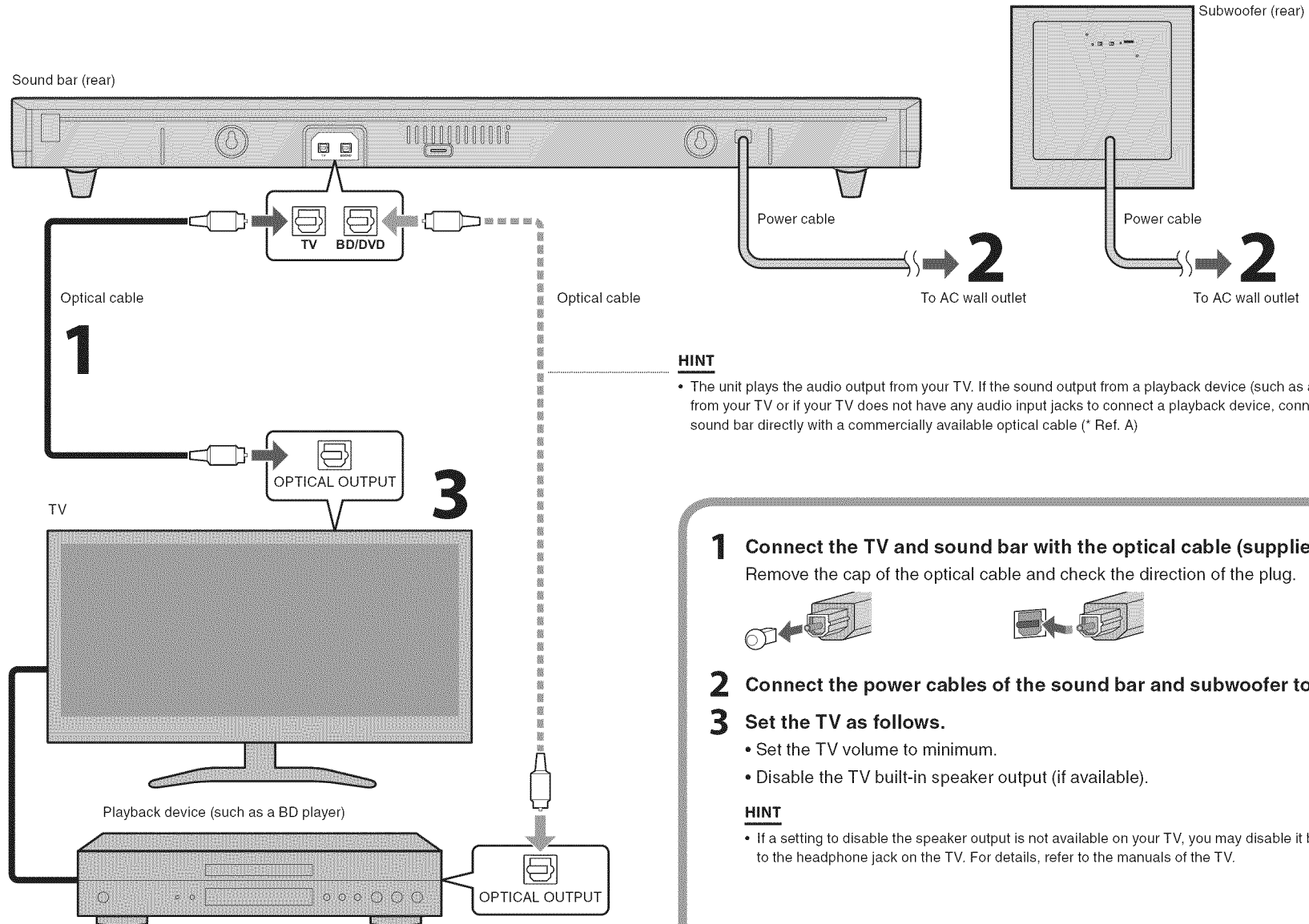
Cautions

- Fix the cables in place where they will not become loose. If your foot or hand accidentally gets caught on a loose cable, the sound bar may fall.
- Check that the sound bar is fixed securely after the installation. Yamaha will bear no responsibility for any accidents caused by improper installations.

Connections

NOTE

- Remove the power cables of the sound bar and subwoofer from AC wall outlets before making connections.
- Do not use excessive force when inserting the cable plug. Doing so may damage the cable plug or terminal.



HINT

- The unit plays the audio output from your TV. If the sound output from a playback device (such as a BD player) cannot be output from your TV or if your TV does not have any audio input jacks to connect a playback device, connect the playback device and sound bar directly with a commercially available optical cable (* Ref. A)

1 Connect the TV and sound bar with the optical cable (supplied).

Remove the cap of the optical cable and check the direction of the plug.



2 Connect the power cables of the sound bar and subwoofer to AC wall outlets.

3 Set the TV as follows.

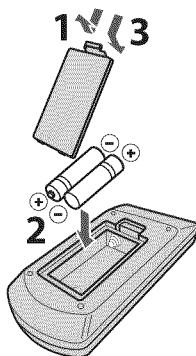
- Set the TV volume to minimum.
- Disable the TV built-in speaker output (if available).

HINT

- If a setting to disable the speaker output is not available on your TV, you may disable it by connecting headphones to the headphone jack on the TV. For details, refer to the manuals of the TV.

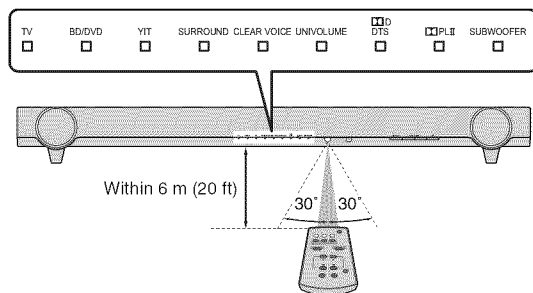
Operations

Installing the batteries



Operating range of the remote control

Point the remote control at the remote control sensor on the sound bar and remain within the operating range shown below.



HINT

- You can check the status of the sound bar (such as wireless connection and volume) by the indicators on the front panel of the sound bar during operations.

Remote control signal transmitter

Transmits infrared signals.

Input keys

Select an input source to be played back.

- TV key TV audio
- BD/DVD key Audio from the playback device connected to the BD/DVD input jack
- YIT key Audio from the iPod or PC connected to the transmitter (sold separately)

(Example: when TV is selected)



HINT

- To play audio of the playback device connected to the TV or to watch videos of the playback device, set the TV's input source to the playback device.
- For details on playback operations using a transmitter (sold separately), refer to the manuals of the transmitter.

Supported Yamaha Wireless Transmitter for iPod (as of June 2012)

- YIT-W10
- YIT-W12

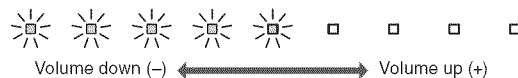
SUBWOOFER keys

Adjust the volume of the subwoofer.



VOLUME keys

Adjust the volume of the sound bar.

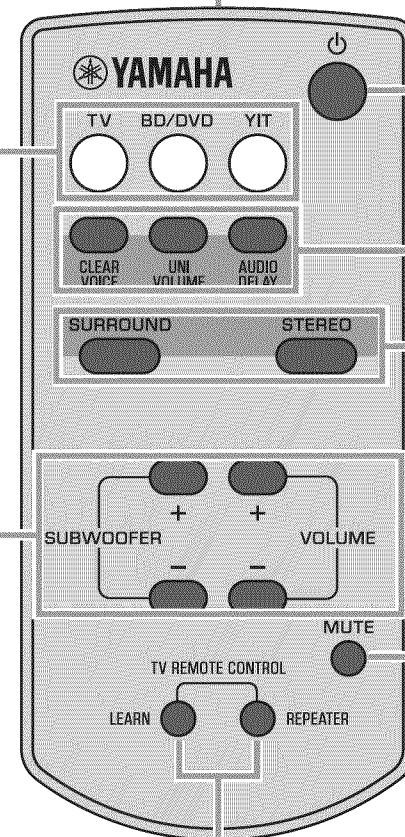


LEARN key

Sets the sound bar to the TV remote control learning mode (p.10).

REPEATER key

Enables/disables the TV Remote Repeater function (p.11).



⏻ (power) key

Turns on or off (standby) the sound bar.

HINT

- If you turn on the sound bar, the sound bar and subwoofer will be connected wirelessly and the SUBWOOFER indicator on the front panel of the sound bar will light up. If the indicator does not light up (or remains flashing), change the group ID (p.11).

SUBWOOFER



Flashes (preparing)

SUBWOOFER



Lights up (connection established)

SURROUND and STEREO keys

Switch between surround and stereo (2 channel) playback. When surround playback is selected, you can enjoy a realistic sound effect using Yamaha's exclusive AIR SURROUND XTREME.

SURROUND




Lights up (surround playback)

SURROUND



Off (stereo playback)

HINT

- When 2-channel stereo signals are played in surround, the  PLII indicator lights up.

 PLII



Lights up (Dolby Pro Logic II)

MUTE key

Mutes the audio output. Press the key again to unmute.



Flashes (on mute)

CLEAR VOICE key

Enables/disables the clear voice function. When this function is enabled, you can enjoy clear voice sounds while watching movies, TV dramas, news programs or sports programs.

CLEAR VOICE



Lights up (clear voice is enabled)

UNI VOLUME key

Enables/disables the UniVolume function. When this function is enabled, the sound bar automatically adjusts its volume so that different TV channels, programs and commercials will be played at the same volume.

UNI VOLUME



Lights up (UniVolume is enabled)

HINT

- The UniVolume function is automatically disabled when "YIT" is selected as the input source.

AUDIO DELAY key

Adjusts the audio delay to synchronize the sound with the video when the video image on the TV may seem delayed with respect to the sound.

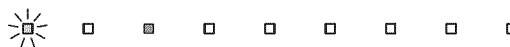
Follow the procedure below to adjust the audio delay.

1 Hold down AUDIO DELAY for more than 3 seconds.

The left most indicator flashes.



2 Press SUBWOOFER to adjust the audio delay.



Smaller delay (-) ← → Larger delay (+)

3 To finish the adjustment, press AUDIO DELAY.

HINT

- The adjustment will be finished automatically if no operations are performed for 20 seconds.
- The audio delay setting does not work when "YIT" is selected as the input source.

Decoder indication

The sound bar supports the following audio signals. You can check the type of the input audio signal by the color of the indicator.



Green (Dolby Digital), Red (DTS Digital Surround)



Off (PCM)

Auto-sleep function

The sound bar will be automatically turned off when one of the following conditions is met.

- No operations for 12 hours
- No audio input and no operations for 1 hour
- No operations for 10 seconds after a wireless connection (yAired) to a transmitter (sold separately) is terminated

Settings

Controlling the sound bar with TV remote control (TV remote control learning function)

You can use the TV remote control to turn on/off the sound bar or adjust its volume by having the sound bar learn the TV remote control signals.

NOTE

- This function is available only when your TV remote control uses infrared signals.
- Depending on the installation conditions or settings of the sound bar, both the sound bar and TV will receive the TV remote control signals and operate simultaneously.

1 Turn off the TV and sound bar.

2 Hold down LEARN on the supplied remote control for more than 3 seconds to set the sound bar to the learning mode.

When the sound bar is in the learning mode, the indicators on the front panel flash as shown below.

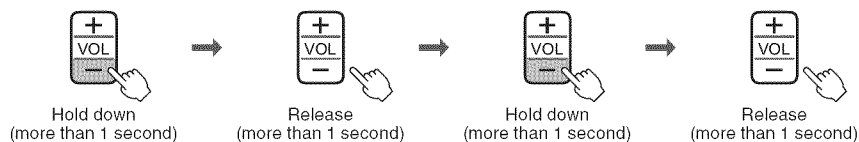
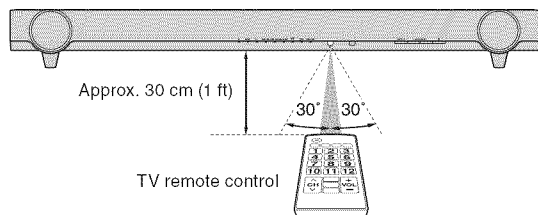


3 Make the sound bar learn the volume (-) operation.

3-1 Press VOLUME (-) on the front panel of the sound bar.



3-2 While pointing your TV remote control at the remote control sensor, hold down the volume (-) key for more than 1 second twice or three times.

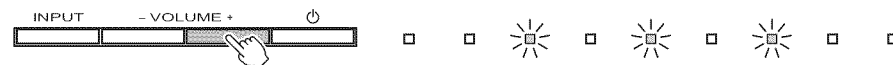


Result	Bleep/buzzer	Indicators
Successfully learned	Once	Lights up

Learning has failed	Twice	Flashes * Repeat from Step 3-1.
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4 Make the sound bar learn the volume (+) operation.

4-1 Press VOLUME (+) on the front panel of the sound bar.

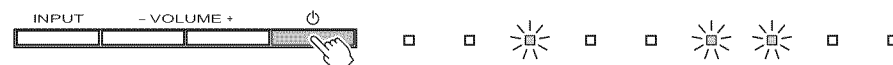


4-2 While pointing your TV remote control at the remote control sensor, hold down the volume (+) key for more than 1 second twice or three times.

Result	Bleep/buzzer	Indicators
Successfully learned	Once	Lights up
Learning has failed	Twice	Flashes * Repeat from Step 4-1.

5 Make the sound bar learn the power operation.

5-1 Press (power) on the front panel of the sound bar.



5-2 While pointing your TV remote control at the remote control sensor, hold down the power key for more than 1 second twice or three times.

Result	Bleep/buzzer	Indicators
Successfully learned	Once	Lights up
Learning has failed	Twice	Flashes * Repeat from Step 5-1.

6 To finish the learning mode, press LEARN or (power) on the supplied remote control.

This completes the necessary settings. Now you can operate the sound bar with the TV remote control's power key or volume keys.

HINT

- The learning mode will be finished automatically if no operations are performed for 5 minutes.
- Set the TV volume to minimum. When you turn up the volume of the sound bar with the TV remote control, the volume of the TV may be turned up at the same time. In this case, follow Step 3 in "Connections" (p.7) to change the TV setting.

Clearing all learned operations

1 Hold down LEARN on the supplied remote control for more than 3 seconds to set the sound bar to the learning mode.

When the sound bar is in the learning mode, the indicators on the front panel flash as shown below.



2 Hold down INPUT on the front panel of the sound bar for more than 3 seconds.



If the clearing is completed, you will hear the bleep sound three times.

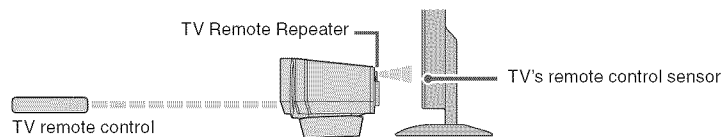
3 Press LEARN or (power) on the supplied remote control.

Controlling the TV via the sound bar (when the TV's remote control sensor is blocked)

When the TV Remote Repeater function is enabled, the sound bar receives TV remote control signals at the TV remote control sensor (on front) and transmits the signals from the TV Remote Repeater (on rear). This function is useful when you cannot operate your TV from the remote control because the remote control sensor of the TV is blocked by the sound bar.

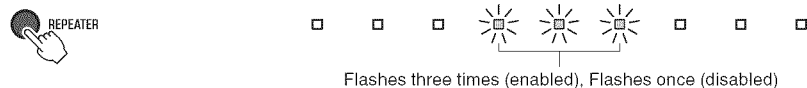
NOTE

- This function is available only when your TV remote control uses infrared signals.



1 Turn on the sound bar.

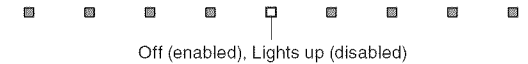
2 Hold down REPEATER on the supplied remote control for more than 3 seconds to enable/disable the TV Remote Repeater function.



This completes the necessary settings. When the TV Remote Repeater function is enabled, you can operate your TV from the TV remote control via the sound bar.

HINT

- The TV Remote Repeater function is disabled by default.
- If you have made the sound bar learn the volume (+) operation (p.10), the volume of the TV may be turned up when you turn up the volume of the sound bar with the TV remote control. In this case, follow Step 3 in "Connections" (p.7) to change the TV setting.
- You can check the status of the TV Remote Repeater function by the center indicator when turning on the sound bar.



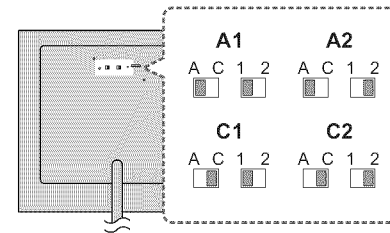
Off (enabled), Lights up (disabled)

Changing the group ID

To establish a wireless connection (yAired) between Yamaha products, you need to set both the products to the same group.

You can change the group ID of the sound bar and subwoofer by the group ID switches on the subwoofer. If you change the group ID on the subwoofer, it will be reflected to the sound bar when the sound bar is turned on the next time.

Group ID switches (rear panel of the subwoofer)



NOTE

- If a wireless connection between the sound bar and subwoofer cannot be established, see "No sound is coming from the subwoofer." in "Troubleshooting" (p.12).
- To establish a wireless connection (yAired) to another Yamaha product (such as a transmitter), set the sound bar (subwoofer) and your Yamaha product to the same group.
- When using another Yamaha product (such as a transmitter), terminate a wireless connection between your Yamaha product and the sound bar (subwoofer) before changing the group ID. Reestablish a wireless connection between them after confirming that the sound bar and subwoofer are properly connected with a new group ID.

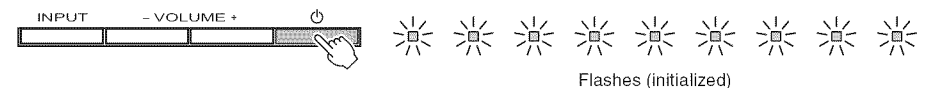
ID	Description
A1 (default), A2	Audio delay will be reduced compared to C1/C2.
C1, C2	The stability of wireless connections will be improved compared to A1/A2.

Initializing the settings of the sound bar

Follow the procedure below to initialize the sound bar. When the sound bar does not operate properly for any reason, initialization may solve the problem.

1 Turn off the sound bar.

2 Hold down (power) on the front panel of the sound bar for more than 3 seconds.



Flashes (initialized)



Troubleshooting

Refer to the table below when the unit does not function properly. If the problem you are experiencing is not listed below or if the instructions below do not help, turn off the unit, disconnect the power cable, and contact the nearest authorized Yamaha dealer or service center.

First, check the following:

- ① **The power cables of the sound bar, subwoofer, TV and playback devices (such as BD players) are connected to AC wall outlets securely.**
- ② **The sound bar, TV and playback devices (such as BD players) are turned on.**
- ③ **The connectors of each cable are securely inserted in to jacks on each device.**

Power and system


Problem	Cause	Remedy
The power turns off immediately.	The auto-sleep function worked. The sound bar will be automatically turned off when one of the following conditions is met. - No operations for 12 hours - No audio input and no operations for 1 hour - No operations for 10 seconds after a wireless connection (yAired) to a transmitter is terminated	--
	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.	Hold down  (power) on the front panel of the sound bar for more than 10 seconds to reboot it. (If the problem persists, disconnect the power cable from the AC wall outlet and plug it again.)
	The protection circuitry has been activated. (In this case, one of the front panel indicators [TV, BD/DVD or YIT] flashes until the power turns off.)	Contact the nearest authorized Yamaha dealer or service center.
The sound bar is not reacting.	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.	Hold down  (power) on the front panel of the sound bar for more than 10 seconds to reboot it. (If the problem persists, disconnect the power cable from the AC wall outlet and plug it again.)
The sound bar operates by itself.	Another Yamaha yAired-compatible product is being used near your place.	Change the group ID (p.11).
TV's 3D glasses do not work.	The sound bar is blocking the 3D glasses transmitter of your TV.	Check the position of the 3D glasses transmitter of your TV and adjust the position of the sound bar. If necessary, remove the stands of the sound bar (p.6).

Audio

Problem	Cause	Remedy
No sound.	The volume is too low.	Turn up the volume (p.8).
	The mute function is activated.	Cancel the mute function (p.9).
	Another input source is selected.	Select an appropriate input source (p.8).
No sound is coming from the subwoofer.	The volume of the subwoofer is too low.	Turn up the volume of the subwoofer (p.8).
	The playback source does not contain low-frequency signals.	--
	A wireless connection between the sound bar and subwoofer is not established. (The SUBWOOFER indicator on the front panel of the sound bar does not light up.)	Adjust the position of the subwoofer. If there is a device using 2.4-GHz band range (such as microwave ovens, cordless phones and Wi-Fi devices) nearby, move those devices away from the sound bar and subwoofer.
	A wireless connection between the sound bar and subwoofer is not established because their group IDs are not same. (The LINK indicator on the subwoofer does not light up while the SUBWOOFER indicator on the front panel of the sound bar lights up.)	Hold down INPUT on the front panel of the sound bar until the TV indicator start flashing to match the group IDs of the sound bar and subwoofer.
Sound is heard from the subwoofer when the sound bar is not used.	Another Yamaha yAired-compatible product is being used near your place.	Change the group ID (p.11).
The volume decreases when the sound bar is turned on.	The automatic volume adjustment function worked. To prevent excessive loudness, the sound bar automatically controls its volume within a certain level when the sound bar is turned on.	If necessary, turn up the volume (p.8).
No surround effect.	Stereo playback is selected.	Select surround playback (p.9).
	The volume is too low.	Turn up the volume (p.8).
	The TV or playback device is set to output 2-channel audio (such as PCM) only.	Change the digital audio output setting on the TV or playback device.
Noise is heard.	The sound bar is too close to another digital or high-frequency device.	Move those devices away from the sound bar.

Remote control

Problem	Cause	Remedy
The sound bar cannot be controlled using the remote control.	The sound bar is out of the operating range.	Use the remote control within the operating range (p.8).
	The batteries are weak.	Replace with new batteries (p.8).
	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 TV cannot be controlled using the TV remote control.	The remote control sensor of the TV is blocked by the sound bar.	Use the TV Remote Repeater function (p.11) or remove the stands of the sound bar so that the TV remote control sensor is not blocked (p.6).
	There may be any problem with the TV or TV remote control.	Refer to the manuals of the TV.
The TV cannot be controlled by using the TV Remote Repeater function.	The TV Remote Repeater function is disabled.	Enable the TV Remote Repeater function (p.11).
	The TV remote control does not use infrared signals. (Some remote controls may not work even if it uses infrared signals.)	The TV Remote Repeater function cannot be used in this case. Adjust the position of the sound bar so that the remote control sensor of the TV is not blocked by the sound bar and use the TV remote control to operate the TV.
	The sound bar and TV are too close or too far from one another.	Move the sound bar to adjust the distance between the TV Remote Repeater and TV (remote control sensor) (p.11). If necessary, remove or attach the stands of the sound bar (p.6).
	There is any obstacle (such as cables) between the sound bar and TV.	Remove the obstacle between the sound bar and TV.
The sound bar does not learn TV remote control operations.	The TV remote control key was not held down long enough.	Hold down the key for more than 1 second twice or three times (p.10).
	The TV remote control does not use infrared signals. (Some remote controls may not work even if it uses infrared signals.)	The TV remote control learning function cannot be used in this case. Use the supplied remote control to operate the sound bar.
	The position where you operated the TV remote control is not appropriate	Operate the TV remote control at the appropriate position (p.10).
	The batteries of the TV remote control are weak.	Replace with new batteries.
	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 transmission of the remote control signal was disturbed by the TV screen light.	Turn off the TV and perform the learning operation again (p.10).

Sound is coming from the TV when the sound bar volume is turned up with the TV remote control. (when TV remote control learning function is used)	Audio output is enabled on the TV.	Change the TV setting to disable the TV speaker output. If a setting to disable the speaker output is not available on your TV, try the following methods. - Connect headphones to the headphone jack on the TV. - Set the TV volume to minimum.
The power of the sound bar and of the TV switch in the opposite direction. (For example, the TV is turned off if the sound bar is turned on.) (when TV remote control learning function is used)	The power of the TV was on when you performed the learning operation.	Press the power key on the TV and  (power) on the front panel of the sound bar to turn on them and then press the power key on the TV remote control to turn off them.

Specifications

Item		Sound Bar (YAS-CU201)	Subwoofer (NS-WSW40)
Amplifier Section	Maximum Rated Output Power	30 W + 30 W	50 W, 100 W (Dynamic power)
Speaker Section	Type	Acoustic suspension type/ Non-magnetic shielding type	Advanced Yamaha Active Servo Technology/ Magnetic shielding type
	Driver	5.5 cm (2-1/8") cone x 2	16 cm (6-1/4") cone x 1
	Frequency Response	150 Hz to 20 kHz	35 Hz to 150 Hz
Input Jacks	Optical	2 (TV, BD/DVD)	--
Wireless Section	Frequency Band	2.4 GHz	
	Transmission Range	Approx. 20 m (66 ft) [without interference]	
General	Power Supply	U.S.A. and Canada models: AC 120 V, 60Hz Taiwan model: AC 110 V, 60Hz Other models: AC 220-240 V, 50/60Hz	
	Power Consumption	17 W	45 W
	Standby Power Consumption	U.S.A., Canada and Taiwan models: 2.0 W or less Other models: 2.2 W or less	--
	Dimensions (W x H x D)	886 x 98 x 121 mm (34-8/7" x 3-7/8" x 4-3/4")	290 x 292 x 316 mm (11-3/8" x 11-1/2" x 12-1/2")
	Weight	3.1 kg (6.8 lbs)	8.3 kg (18.3 lbs)

* Specifications are subject to change without notice.



This system employs new technologies and algorithms that make it possible to achieve 7-channel surround sound with only front speakers, and without using wall reflections.

UniVolume

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