

# Rear Speaker

## Operating Instructions

SA-RS3S



\* 5 0 1 1 5 2 7 1 1 \* (1)

### Owner's Record

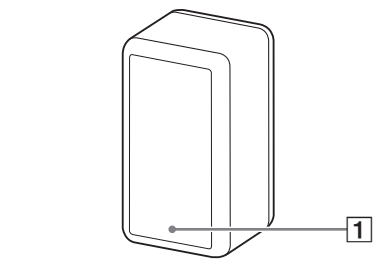
The model and serial numbers are located on the bottom of the speakers.  
Record the serial numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.  
Model No. SA-RS3S  
Serial No.

## About compatible models for the rear speaker

The SA-RS3S rear speaker works only with the specified model. For information about compatible models, visit Sony's website.  
In these Operating Instructions, the operations are described for speakers used with the compatible model HT-A7000.

## Parts and Controls

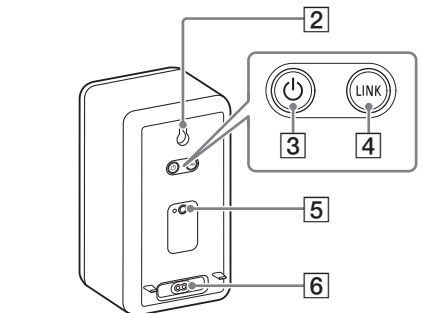
### Front



- 1** Power indicator
- Flashes slowly (green): The rear speaker is not connected to a compatible model.
  - Lights up (green): The rear speaker is connected to a compatible model.
  - Flashes twice repeatedly (green): The rear speaker is attempting to connect to a compatible model.
  - Flashes/lights up (amber): The software is updating.
  - Lights up (red): The rear speaker is in standby mode.
  - Turns off: The rear speaker is turned off.

**Note**  
The brightness of the power indicator syncs with the DIMMER settings of a compatible model.

### Rear



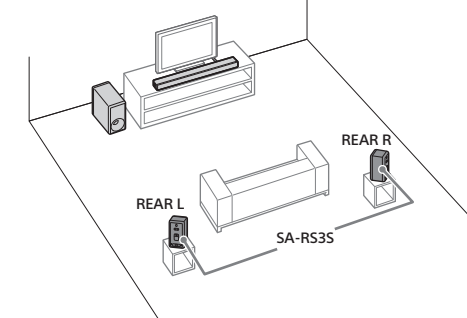
- 2** Wall mount hole  
**3** (power) button  
**4** LINK button  
**5** Mounting hole for the general speaker stand  
**6** AC inlet

5-011-527-11(1)  
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## Installation

### Installing on the Floor

The following illustration is the installation example to use the speakers with the compatible model HT-A7000 and an optional subwoofer.



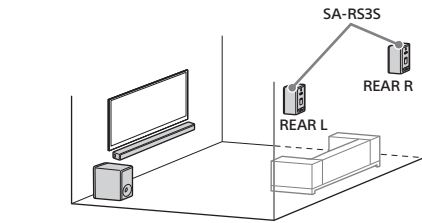
- Check the right and left rear speakers using the label on the bottom of them.**  
"REAR R" is for the right, "REAR L" is for the left.
- Install the speakers behind your listening position.**  
The following installations are recommended to enjoy the surround sound effectively.
  - Align the height position of the speaker with your ear.
  - Turn the speakers to your listening position.

**Note**  
Lay the bottom (the face on which there is a label) down to install the speaker. Installations other than above are not supported.

**Tip**  
To obtain a good surround sound, set the speaker distance from your listening position by using the setup menu of a compatible model.  
For details, refer to the Operating Instructions supplied with a compatible model.

### Mounting on the Wall

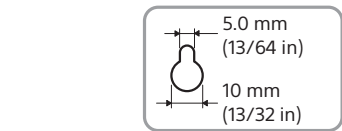
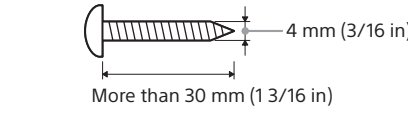
The following illustration is the installation example to use the speakers with the compatible model HT-A7000 and an optional subwoofer.



**Note**

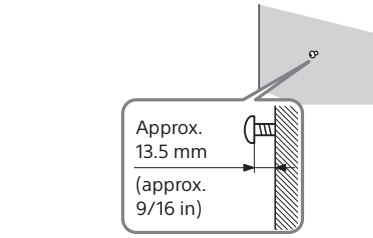
- Have the installation done by a Sony dealer or licensed contractor and pay special attention to safety during the installation.
- Sony shall not be held responsible for accidents or damage caused by improper installation, insufficient wall strength, improper screw installation or natural disaster, etc.

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

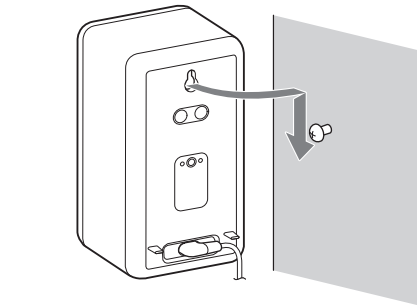


Hole on the rear of the rear speaker

- Decide the wall mounting position of the speaker and fasten the screw there.**



- Hang the wall mount hole on the screw.**  
Check the label on the bottom of the speakers. "REAR R" is for the right, "REAR L" is for the left.

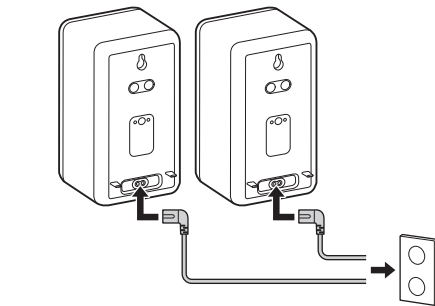


**Note**  
Prepare screws (not supplied) that are suitable for the wall material and strength. As a plasterboard wall is especially fragile, attach the screws securely in the wall beam. Mount the speakers onto a reinforced wall making sure that the heights of the right and left speakers are equal.

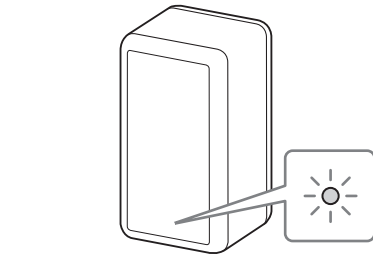
## Connection

**Tip**  
You can connect the optional subwoofer with a compatible model in the following way when installing it too.

- Turn on a compatible model.**
- Connect the AC power cords (mains leads) (supplied) to the rear speakers, and then connect the cords to the AC outlets (mains).**



- Make sure that the power indicators on the speakers light in green.**  
When the power indicators light in green, the connection between the speakers and a compatible model is established.  
If the connection is not established, connect the speakers to a compatible model manually. For details, see "If the Connection is not Established Automatically".



### If the Connection is not Established Automatically

If you cannot connect the speakers to a compatible model automatically or you use multiple compatible models and want to specify the compatible model for connecting the speakers, perform the manual connection.

The following operation is described for speakers used with the compatible model HT-A7000. Use the remote control supplied with the compatible model HT-A7000 when performing this operation.  
If you use other compatible models, refer to the Operating Instructions supplied with them.

- Press HOME.**  
The home menu appears on the TV screen.
- Select [Setup] - [Advanced Settings] on the home menu.**
- Select [Speaker Settings] - [Wireless Speaker Settings] - [Start manual linking].**  
The [Start manual linking] screen appears on the TV screen.
- Press LINK on the speaker.**  
The power indicator of the speaker that had LINK pressed flashes twice repeatedly in green.
- Select [Start].**  
The manual link starts.  
The connecting process appears on the TV screen. To cancel the manual link, select [Cancel].
- When [Rear Speaker (R)] and [Rear Speaker (L)] display [Connected], select [Finish].**
- Press (power).**  
The link is established and the power indicator of the speakers lights in green.

**Note**

- If you perform [Start manual linking], [Link mode] of [Wireless Speaker Settings] is set to [Manual] automatically.
- Only the speakers for which [Connected] has been displayed in Step 6 connect to a compatible model. If the connection of the speakers cannot be established, perform the manual connection again.

### If Wireless Transmission is Unstable

If you use multiple wireless systems, such as a wireless LAN, the wireless signals may become unstable. In this case, the transmission may be improved by changing the following setting.  
The following operation is described for speakers used with the compatible model HT-A7000. Use the remote control supplied with the compatible model HT-A7000 when performing this operation.  
If you use other compatible models, refer to the Operating Instructions supplied with them.

- Press HOME.**  
The home menu appears on the TV screen.
- Select [Setup] - [Advanced Settings] on the home menu.**
- Select [Speaker Settings] - [Wireless Speaker Settings] - [RF Channel].**
- Select the setting you want.**
  - [On] (default setting): Normally select this. The system automatically selects the better channel for transmission. Stronger mode for wireless interference.
  - [Off]: The system selects a channel from the limited frequency band to prevent external wireless interference. If sound dropping occurs while [On] is selected, it may be improved by selecting [Off].

**Note**

- If you change the [RF Channel] setting from [Off] to [On], it may take 1 minute to reconnect.
- A compatible model may not meet this setting depending on countries/regions where you purchase it.

## Troubleshooting

If you experience any of the following difficulties while using the rear speakers, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.  
Be sure to bring all of your rear speakers, a compatible model and optional subwoofer (not supplied) even if it seems as though only one has a problem, when you request to repair.  
The following solutions are described for speakers used with the compatible model HT-A7000.  
If you use other compatible models, refer to the Operating Instructions supplied with them.

- No sound is heard from the rear speakers.**
- Make sure the AC power cord (mains lead) of the rear speaker is connected properly.
  - If the power indicator on the rear speaker does not light, try the following.
    - Make sure the AC power cord (mains lead) of the rear speaker is connected properly.
    - Press (power) of the rear speaker to turn on the power.
  - If the power indicator on the rear speaker flashes slowly in green or lights in red, try the following.
    - Move the rear speaker to a location near a compatible model so that the power indicator on the rear speaker lights in green.
    - Follow the steps in "If the Connection is not Established Automatically."
    - Check the wireless connection status. For details, refer to the Operating Instructions supplied with a compatible model.

- If the power indicator on the rear speaker flashes in red, press (power) of the rear speaker to turn off the power and check whether the ventilation holes of the rear speaker is blocked or not.
- Press REAR (power) + on the remote control of a compatible model to increase the volume of the rear speakers.
- If you change the [RF Channel] setting of a compatible model from [Off] to [On], it may take 1 minute for the sound to be output.
- If the power indicator flashes in red, disconnect the AC power cord (mains lead) of the rear speaker from the AC outlet (mains) and reconnect it again.

### Sound skips or has noise.

- If there is a device nearby that generates electromagnetic waves, such as a wireless LAN or a microwave oven in use, locate the rear speakers and a compatible model apart from that device.
- If there is an obstacle between a compatible model and the rear speakers, move or remove the obstacle.
- Locate a compatible model and the rear speakers as close as possible.
- Switch the network connection of the TV or Blu-ray Disc player from wireless to wired.

## Specifications

### Amplifier section

**U.S. models:**  
POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (FTC)

With 6 ohms loads, both channels driven, from 200 - 20,000 Hz; rated 20 W per channel minimum RMS power, with no more than 1% total harmonic distortion from 250 mW to rated output.

POWER OUTPUT (reference)  
50 W (per channel at 6 ohms, 1 kHz)

**Canadian models:**  
POWER OUTPUT (reference)  
50 W (per channel at 6 ohms, 1 kHz)

### Speaker system

2-way 2 speaker system  
Bass reflex

### Speaker

Woofer: 46 mm × 54 mm (1 13/16 in × 2 1/4 in) cone type  
Tweeter: 16 mm (21/32 in) dome type

### Power requirements

120 V AC, 60 Hz

### Power consumption

On: 11 W  
Standby mode: 1 W or less  
Turned off: 0.5 W or less

### Dimensions (w/h/d) (approx.)

100 mm × 187 mm × 100 mm (4 in × 7 3/8 in × 4 in)  
(projecting parts not included)

### Mass (approx.)

1.1 kg (2 lb 7 oz)

### Wireless transmitter/receiver section

#### Communication system

Wireless Sound Specification Version 4.0

#### Frequency band

5 GHz

#### Modulation method

OFDM

### Included items

- Rear speaker R (1), Rear speaker L (1)
- AC power cords (mains leads) (2)
- Operating Instructions (1)

## Important information on software

This product contains software that is subject to the GNU General Public License ("GPL") or GNU Lesser General Public License ("LGPL"). These establish that customers have the right to acquire, modify, and redistribute the source code of said software in accordance with the terms of the GPL or the LGPL.

For the method to confirm the GPL, LGPL and other software licenses contained in the rear speakers, please refer to the Operating Instructions of a compatible model.

When you use the compatible model HT-A7000, please refer to [Software License Information] under [Setup] - [Advanced Settings] - [System Settings] on the home menu.

The source code for the software used in this product is subject to the GPL and LGPL, and is available on the Web. To download, please access the following: URL:  
http://oss.sony.net/Products/Linux

Please note that Sony cannot answer or respond to any inquiries regarding the content of this source code.

All other trademarks are trademarks of their respective owners.

### WARNING

**To reduce the risk of fire or electric shock, do not expose these speakers to rain or moisture.**

The speakers are not disconnected from the mains as long as it is connected to the AC outlet, even if the speakers themselves have been turned off.

To reduce the risk of fire, do not cover the ventilation opening of the speakers with newspapers, tablecloths, curtains, etc.  
Do not expose the speakers to naked flame sources (for example, lighted candles).

To reduce the risk of fire or electric shock, do not expose these speakers to dripping or splashing, and do not place objects filled with liquids, such as vases, on the speakers.

As the main plug is used to disconnect the speakers from the mains, connect the speakers to an easily accessible AC outlet. Should you notice an abnormality in the speakers, disconnect the main plug from the AC outlet immediately.

Do not install the speakers in a confined space, such as a bookcase or built-in cabinet.

**Do not place this product close to medical devices.**

This product (including accessories) has magnet(s) which may interfere with pacemakers, programmable shunt valves for hydrocephalus treatment, or other medical devices. Do not place this product close to persons who use such medical devices. Consult your doctor before using this product if you use any such medical device.

Indoor use only.

### For the speakers

The nameplates are located on the bottom of the speakers.

### For the customers in the U.S.A.

**NOTE:**  
These speakers have 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 a residential installation. These speakers generate, use 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 these speakers do cause harmful interference to radio or television reception, which can be determined by turning the speakers 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 speakers and receiver.
- Connect the speakers into outlets on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

If you have any questions about this rear speaker: Visit: [www.sony.com/electronics/support](http://www.sony.com/electronics/support)  
Contact: Sony Customer Information Service Center at 1-800-222-Sony(7669)  
Write: Sony Customer Information Service Center 12451 Gateway Blvd., Fort Myers, FL 33913

Supplier's Declaration of Conformity  
Trade Name: SONY  
Model: SA-RS3S  
Responsible Party: Sony Electronics Inc.  
Address: 16535 Via Esprillo, San Diego, CA 92127 U.S.A.

Telephone Number: 858-942-2230  
This device complies with part 15 of the FCC 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.

### CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate these speakers.

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

These speakers comply with FCC radiation exposure limits set forth for an uncontrolled environment and meet the FCC radio frequency (RF) Exposure Guidelines. These speakers should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Compliance with FCC requirement 15.407(c)  
Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ±20 ppm or less

### For the customers in Canada

These speakers contain licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RS(S).  
Operation is subject to the following two conditions: (1) These speakers may not cause interference; and (2) These speakers must accept any interference, including interference that may cause undesired operation of the speakers.

These speakers complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. These speakers should be installed and operated keeping the radiator at least 20cm or more away from person's body.

5.15 - 5.35 GHz band is restricted to indoor operations only.

Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

## Precautions

### On safety

- Should any solid object or liquid fall into the rear speaker, unplug the system and have it checked by qualified personnel before operating it any further.
- Do not climb on the rear speaker, as you may fall down and injure yourself, or the rear speaker damage may result.

### On power sources

- Before operating the rear speaker, check that the operating voltage is identical to your local power supply. The operating voltage is indicated on the nameplate at the bottom of the rear speaker.
- If you are not going to use the rear speaker for a long time, be sure to disconnect the rear speaker from the wall outlet (mains). To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the wall outlet (mains) only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- AC power cord (mains lead) must be changed only at a qualified service shop.

### On heat buildup

- Although the rear speaker heats up during operation, this is not a malfunction. If you continuously use this rear speaker at high volume, the rear speaker temperature at the rear and bottom rises considerably. To avoid burning yourself, do not touch the rear speaker.

### On placement

- Do not place the rear speaker near heat sources or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- Do not place metal objects other than a TV around the rear speaker. Wireless functions may be unstable.
- If the rear speaker is being used in combination with a TV, VCR, or tape deck, noise may result and picture quality may suffer. In such a case, place the rear speaker away from the TV, VCR, or tape deck.
- Use caution when placing the rear speaker on a surface that has been specially treated (with wax, oil, polish, etc.), as staining or discoloration of the surface may result.
- The speakers of this rear speaker are not of magnetically shielded type. Do not place magnetic cards on the rear speaker or near it.

**If you encounter color irregularity on a nearby TV screen**  
Color irregularities may be observed on certain types of TV sets.

### On cleaning

Clean the rear speaker with a soft, dry cloth. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

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