

SAMSUNG

USER MANUAL

HW-T450

SAFETY INFORMATION

- The following also applies to the Wireless Subwoofer (PS-WT45T).

SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Refer to the table below for an explanation of symbols which may be on your Samsung product.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.	
	This symbol indicates that this product comes with important literature concerning operation and maintenance.	
	Class II product : This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a power cord, the product MUST have a reliable connection to protective earth (ground).	
	AC voltage : Rated voltage marked with this symbol is AC voltage.	
	DC voltage : Rated voltage marked with this symbol is DC voltage.	
	Caution. Consult Instructions for use : This symbol instructs the user to consult the user manual for further safety related information.	

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

CAUTION

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases, on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

FCC NOTE (for U.S.A):

FCC Supplier's Declaration of Conformity

Responsible Party - U.S. Contact Information:

Samsung Electronics America, Inc.
85 Challenger Road.
Ridgefield Park, NJ 07660
Phone: 1-800-SAMSUNG (726-7864)

FCC Compliance Statement :

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.

FCC Caution :

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances, such as radios and televisions, use shielded cables and connectors for connections.

Class B FCC Statement

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 a 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 of the following measures:

- Reorienting or relocating the receiving antenna.
- Increasing the separation between the equipment and receiver.
- Connecting the equipment to an outlet that is on a different circuit than the radio or TV.
- Consulting the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement :

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated so there is at least 8 inches (20 cm) between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below. Keep these operating instructions handy for future reference.

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.

PRECAUTIONS

1. Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the bottom of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4 inches). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use.
2. To fully turn off the unit, disconnect the AC plug from the wall outlet. Unplug the unit if you intend to leave it unused for a long period of time.
2. During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the unit.
3. Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and cause the unit to malfunction.
4. Protect the product from moisture (i.e. vases), and excess heat (e.g. a fireplace) or equipment creating strong magnetic or electric fields. Unplug the power cable from the AC wall socket if the unit malfunctions. Your product is not intended for industrial use. It is for personal use only. Condensation may occur if your product has been stored in cold temperatures. If transporting the unit during the winter, wait approximately 2 hours until the unit has reached room temperature before using.
5. The battery used with this product contains chemicals that are harmful to the environment. Do not dispose of the battery in the general household trash. Do not expose the battery to excess heat, direct sunlight, or fire. Do not short circuit, disassemble, or overheat the battery. Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

SAFETY INFORMATION

SAFETY WARNINGS

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Refer to the table below for an explanation of symbols which may be on your Samsung product.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.	
	This symbol indicates that this product has included important literature concerning operation and maintenance.	
	Class II product : This symbol indicates that it does not require a safety connection to electrical earth (ground). If this symbol is not present on a product with a power cord, the product MUST have a reliable connection to protective earth (ground).	
	AC voltage : This symbol indicates that the rated voltage marked with the symbol is AC voltage.	
	DC voltage : This symbol indicates that the rated voltage marked with the symbol is DC voltage.	
	Caution, Consult instructions for use : This symbol instructs the user to consult the user manual for further safety related information.	

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

CAUTION

- Do not expose this apparatus to dripping or splashing. Do not put objects filled with liquids, such as vases, on the apparatus.
- To turn this apparatus off completely, you must pull the power plug out of the wall socket. Consequently, the power plug must be easily and readily accessible at all times.

CAUTION (for Canada)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

This device may automatically discontinue transmission if there is no information to transmit, or an operational failure. Note that this is not intended to prohibit the transmission of control or signaling information or the use of repetitive codes where required by the technology.

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

Radiation Exposure Statement

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Important Safety Instructions

Read these operating instructions carefully before using the unit. Follow all the safety instructions listed below. Keep these operating instructions handy for future reference.

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.

INFORMATIONS RELATIVES À LA SÉCURITÉ

AVERTISSEMENTS

POUR ÉVITER LES RISQUES DE CHOC ÉLECTRIQUE, NE DÉMONTÉZ PAS LE CAPOT. L'APPAREIL NE CONTIENT PAS DE PIÈCES RÉPARABLES PAR L'UTILISATEUR. S'ADRESSER À UN SERVICE APRÈS-VENTE QUALIFIÉ.

Reportez-vous au tableau ci-dessous pour comprendre les symboles pouvant figurer sur votre produit Samsung.

	MISE EN GARDE RISQUE DE CHOC ÉLECTRIQUE NE PAS OUVRIR	
	Ce symbole indique la présence d'une haute tension à l'intérieur. Tout contact avec une pièce interne de l'appareil présente un danger.	
	Ce symbole vous informe qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.	
	Produit de catégorie II : Ce symbole indique qu'il ne nécessite pas une connexion de sécurité à la terre (masse). Si ce symbole n'est pas présent sur un produit équipé d'un cordon d'alimentation, le produit DOIT être raccordé à la terre de manière fiable à des fins de protection.	
	Tension CA : Ce symbole indique que la tension nominale est la tension CA.	
	Tension CC : Ce symbole indique que la tension nominale est la tension CC.	
	Attention, consultez les instructions aux fins d'utilisation : Ce symbole indique à l'utilisateur qu'il doit consulter le guide d'utilisation pour avoir de l'information au sujet de la sécurité.	

AVERTISSEMENT

- Afin de diminuer les risques d'incendie ou de choc électrique, n'exposez pas cet appareil à la pluie ou à l'humidité.
- Pour éviter des blessures, cet appareil doit être solidement fixé au plancher/au mur conformément aux directives d'installation.

MISE EN GARDE

- Veuillez à éviter toute projection sur l'appareil. Ne placez jamais de récipients contenant un liquide (ex. : vase) dessus.
- La prise d'alimentation fait office de système de déconnexion. Elle doit donc rester disponible en permanence.

ATTENTION (Pour le Canada)

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil et son ou ses antennes ne doivent pas être installés à proximité ou être utilisés conjointement avec une autre antenne ou un autre émetteur.

Le dispositif pourrait automatiquement cesser d'émettre en cas d'absence d'informations à transmettre, ou une défaillance opérationnelle. Notez que ce n'est pas l'intention d'interdire la transmission des informations de contrôle ou de signalisation ou l'utilisation de codes répétitifs lorsque requis par la technologie.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC RSS-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Consignes de sécurité importantes

Lisez attentivement ces consignes avant d'utiliser l'appareil. Veillez à respecter toutes les consignes répertoriées ci-après. Conservez ces instructions à portée de main pour vous y référer ultérieurement.

1. Lisez attentivement ces consignes.
2. Conservez-les précieusement.
3. Tenez compte de tous les avertissements mentionnés.
4. Respectez toutes les instructions sans exception.
5. N'utilisez pas cet appareil à proximité de l'eau.
6. Nettoyez-le à l'aide d'un tissu sec.
7. Ne bloquez pas les ouvertures de ventilation. Installez l'appareil conformément aux instructions du fabricant.
8. N'installez pas le lecteur à proximité d'une source de chaleur de type radiateur, registre de chaleur, cuisinière ou tout autre appareil (y compris les récepteurs AV) générateur de chaleur.
9. Ne désactivez pas le dispositif de sécurité de la fiche de mise à la terre ou de la fiche polarisée. Une fiche polarisée comporte deux lames dont l'une est plus large que l'autre. Une fiche de mise à la terre comporte deux lames et une troisième broche de mise à la terre. La lame la plus large et la troisième broche sont destinées à assurer votre sécurité. Si la fiche fournie ne s'insère pas dans la prise utilisée, faites appel à un électricien pour faire remplacer celle-ci.
10. Placez le cordon d'alimentation de sorte qu'il ne puisse être ni piétiné ni pincé, particulièrement au niveau de la fiche, de la prise de courant et du point de sortie de l'appareil.
11. Utilisez exclusivement les fixations/ accessoires spécifiés par le fabricant.
12. Utilisez exclusivement le meuble à roulettes, le socle, le trépied, le support ou la table recommandés par le fabricant ou vendus avec l'appareil.  Si l'appareil est posé sur un meuble à roulettes, déplacez l'ensemble avec précaution pour éviter de faire tomber le lecteur et de vous blesser.
13. Débranchez l'appareil en cas d'orage ou lorsqu'il est inutilisé pendant une période prolongée.
14. Confiez toutes les réparations à un technicien qualifié. Votre appareil doit impérativement être réparé lorsqu'il a été endommagé de quelque manière que ce soit : détérioration du cordon ou de la fiche d'alimentation, projection de liquide sur l'appareil, chute d'objets à l'intérieur de l'appareil, exposition à la pluie ou à l'humidité, dysfonctionnement, chute.

ABOUT THIS MANUAL

The user manual has two parts: this simple paper USER MANUAL and a detailed FULL MANUAL you can download.

	USER MANUAL See this manual for safety instructions, product installation, components, connections, and product specifications.
 	FULL MANUAL You can access the FULL MANUAL on Samsung's on-line customer support center by scanning the QR code on the left. To see the manual on your PC or mobile device, download the manual in document format from Samsung's website. (http://www.samsung.com/support)

Design and specifications are subject to change without prior notice.

CONTENTS

01	Checking the Components	2
	Inserting Batteries before using the Remote Control (AA batteries X 2)	2
02	Product Overview	3
	Front Panel / Top Panel of the Soundbar	3
	Bottom Panel of the Soundbar	3
03	Connecting the Soundbar	4
	Connecting Electrical Power	4
	Connecting the Soundbar to the Subwoofer	5
	– Automatic connection between the Subwoofer and the Soundbar	5
	– Manually connecting the Subwoofer if automatic connection fails	6
	Connecting an SWA-8500S (Sold Separately) to your Soundbar	7
04	Connecting to your TV	9
	Method 1. Connecting with a Cable	9
	– Connecting using an Optical Cable	9
	Method 2. Connecting Wirelessly	10
	– Connecting a TV via Bluetooth	10
05	Connecting an External Device	12
	Connecting using an Optical Cable	12
06	Connecting a USB Storage Device	13
	Software Update	13

07	Connecting a Mobile Device	14
	Connecting via Bluetooth	14
08	Using the Remote Control	15
	How to Use the Remote Control	15
	Adjusting the Soundbar volume with a TV remote control	18
09	Installing the Wall Mount	19
	Installation Precautions	19
	Wallmount Components	19
10	Troubleshooting	22
11	License	23
12	Open Source License Notice	23
13	Important Notes About Service	23
14	Specifications and Guide	24
	Specifications	24

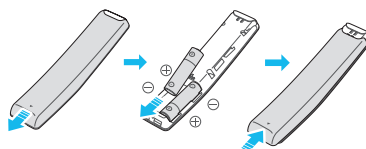
01 CHECKING THE COMPONENTS

		
Soundbar Main Unit	Subwoofer	Remote Control (AH59-02767A) / Batteries
		
Power Cord (Subwoofer, Soundbar) (AH81-11680A)	Optical Cable (AH81-11681A)	Wall Mount Guide (AH63-04369C)
		
Holder-Screw (AH61-04110A)	Screw (6001-001202)	Bracket-Wall Mount (AH96-03944B)

- For more information about the power supply and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)
- To purchase additional components or optional cables, contact a Samsung Service Center or Samsung Customer Care.

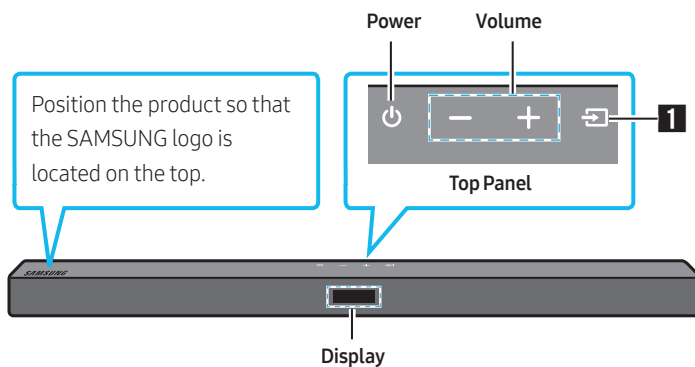
Inserting Batteries before using the Remote Control (AA batteries X 2)

Slide the back cover in the direction of the arrow until it is completely removed. Insert 2 AA batteries (1.5V) oriented so that their polarity is correct. Slide the back cover back into position.

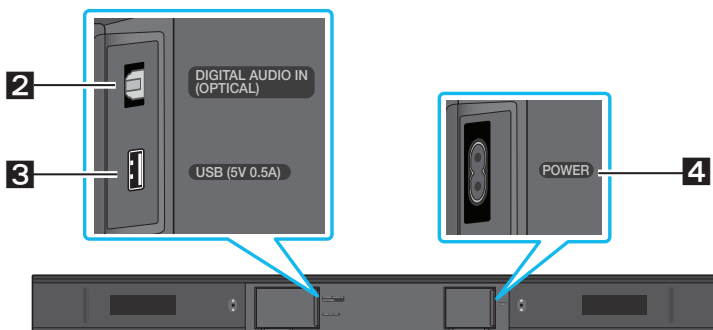


02 PRODUCT OVERVIEW

Front Panel / Top Panel of the Soundbar



Bottom Panel of the Soundbar



1	Source	Selects the source input mode. (D.IN / BT / USB) To turn on “BT PAIRING” mode, change the source to “BT” mode, and then press and hold the  (Source) button for more than 5 seconds.
2	DIGITAL AUDIO IN (OPTICAL)	Connect to the digital (optical) output of an external device.
3	USB (5V 0.5A)	Connect a USB device here to play music files stored on the USB device through the Soundbar.
4	POWER	Connect the Soundbar's AC power cable.

03 CONNECTING THE SOUNDBAR

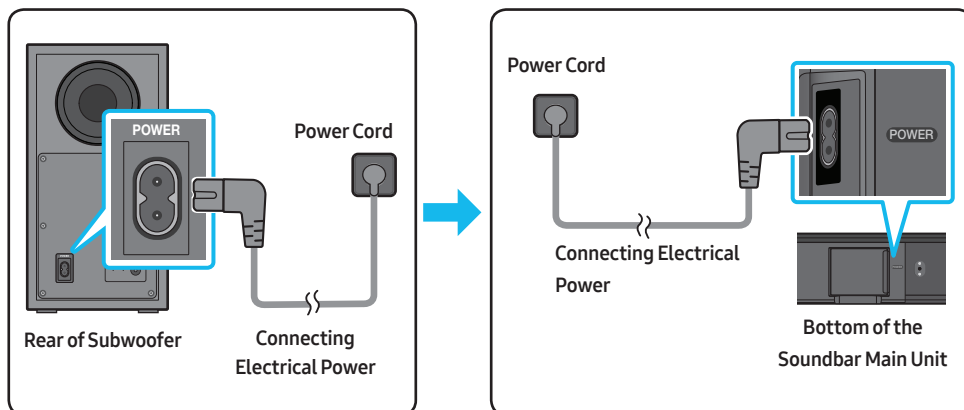
Connecting Electrical Power

Use the power components to connect the Subwoofer and Soundbar to an electrical outlet in the following order:

1. Connect the power cord to the Subwoofer.
2. Connect the power cord to the Soundbar.

See the illustrations below.

- For more information about the required electrical power and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)



Connecting the Soundbar to the Subwoofer

When the subwoofer is connected, you can enjoy rich bass sound.

Automatic connection between the Subwoofer and the Soundbar

When you turn the power on after connecting the power cables to the Soundbar and subwoofer, the subwoofer is automatically connected to the Soundbar.

- When auto pairing is complete, the blue indicators at the rear of the subwoofer turn on.

LED Indicator Lights on the Rear of Subwoofer

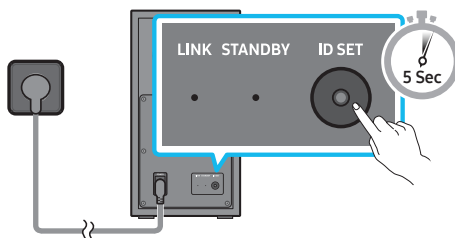
LED	Status	Description	Resolution
Blue	On	Successfully connected (normal operation)	-
	Blinking	Recovering the connection	Check if the power cable attached to the main Soundbar unit is connected properly or wait about 5 minutes. If blinking persists, try manually connecting the subwoofer. See page 6.
Red	On	Standby (with the Soundbar main unit turned off)	Check if the power cable attached to the main Soundbar unit is connected properly.
		Connection failed	Connect again. See the instructions for manual connection on page 6.
Red and blue	Blinking	Malfunction	See the contact information for the Samsung Service Center in this manual.

Manually connecting the Subwoofer if automatic connection fails

Before performing the manual connection procedure below:

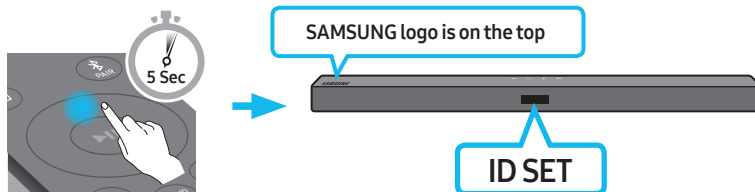
- Check whether the power cables for the Soundbar and subwoofer are connected properly.
- Make sure that the Soundbar is turned on.

1. Press and hold **ID SET** on the rear of the subwoofer for at least 5 seconds.
 - The red indicator on the rear of the subwoofer turns off and the blue indicator blinks.

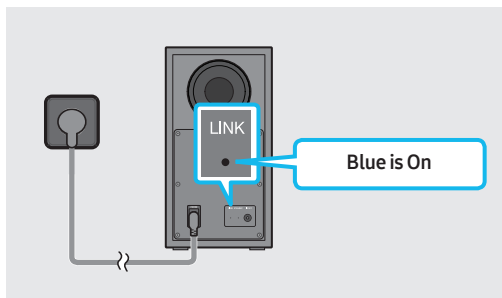


Rear of Subwoofer

2. Press and hold the **Up** button on the remote control for at least 5 seconds.
 - The **ID SET** message appears on the display of the Soundbar for a moment, and then it disappears.
 - The Soundbar will automatically power on when **ID SET** is complete.



3. Check if the LINK LED is solid blue (connection complete).

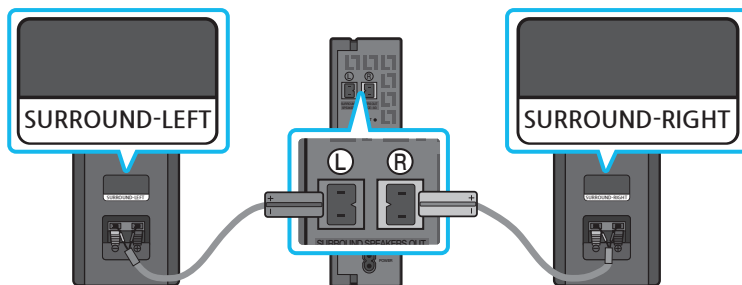


The LINK LED indicator stops blinking and glows a solid blue when a connection is established between the Soundbar and the Wireless Subwoofer.

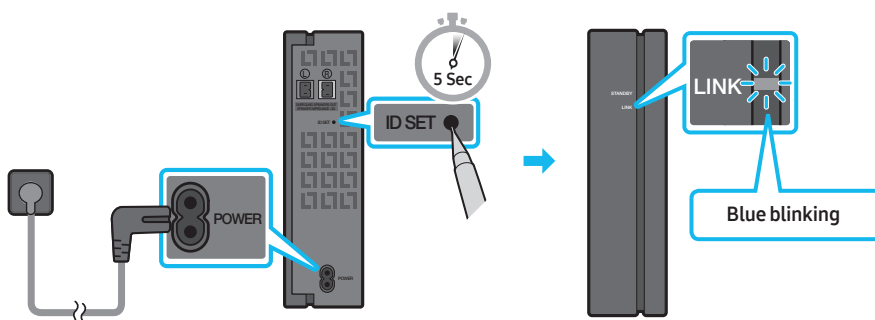
Connecting an SWA-8500S (Sold Separately) to your Soundbar

Expand to true wireless surround sound by connecting the Samsung Wireless Rear Speaker Kit (SWA-8500S, sold separately) to your Soundbar.

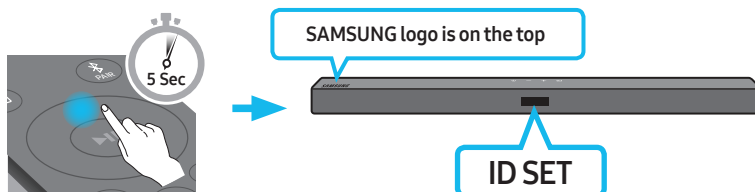
1. Connect the Wireless Receiver Module to 2 Surround Speakers.
 - The speaker cables are color coded.



2. Check the standby status of the Wireless Receiver Module after plugging it into an electrical outlet.
 - The LINK LED indicator (blue LED) on the Wireless Receiver Module blinks. If the LED does not blink, press the **ID SET** button on the back of the Wireless Receiver Module with a pen tip for 5~6 seconds until the LINK LED indicator blinks (in Blue). For more about the LED, please refer to the SWA-8500S user manual.

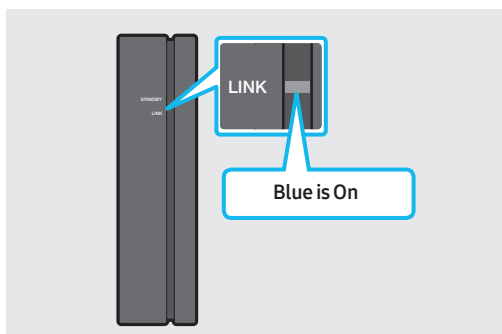


3. Press and hold the **Up** button on the remote control for at least 5 seconds.
- The **ID SET** message appears on the display of the Soundbar for a moment, and then it disappears.
 - The Soundbar will automatically power on when **ID SET** is complete.



⚠ CAUTION

- If your Soundbar was playing music when it connects to the SWA-8500S, you may hear some stuttering from the woofer as the connection finalizes.
4. Check if the LINK LED is solid blue (connection complete).



The LINK LED indicator stops blinking and glows a solid blue when a connection is established between the Soundbar and the Wireless Receiver Module.

5. If the SWA-8500S is not connected, repeat the procedure from Step 2.