SAMSUNG

USER MANUAL

HW-N450

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.

 **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).
	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.

CAUTION

- TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.
- 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.

Wiring the Main Power Supply Plug (UK Only)

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and if it requires replacing, a fuse approved to BS1362 of the same rating must be used.
Never use the plug with the fuse cover removed. If the cover is detachable and a replacement is required, it must be of the same colour as the fuse fitted in the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance.

However, if there is no alternative to cutting off the plug, remove the fuse and then safely dispose of the plug. Do not connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord. Never attempt to insert bare wires directly into a mains socket. A plug and fuse must be used at all times.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:– BLUE = NEUTRAL BROWN = LIVE As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:– The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING : DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL ⏚, OR COLOURED GREEN OR GREEN AND YELLOW.

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 (7~10 cm). 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. 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.

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 centre by scanning the QR code. 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.

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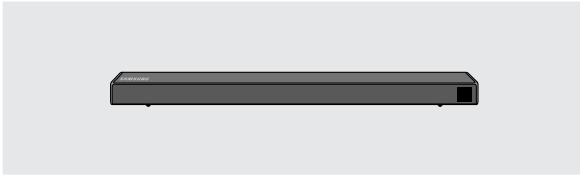
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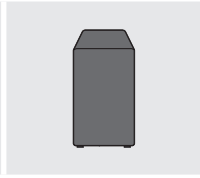
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01 CHECKING THE COMPONENTS



Soundbar Main Unit



Subwoofer



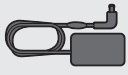
Remote Control / Batteries

❶



Power Cord (Subwoofer)

❷



AC/DC Adapter (Main Unit)

❸

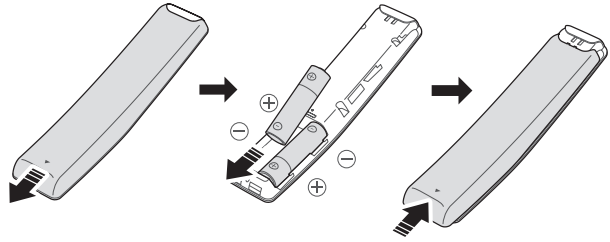


Power Cord (AC/DC Adapter)

- 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)
- The power components are labelled (❶, ❷, ❸). For more information about power connections, see page 4.
- For Soundbar wall mounting components, see page 21.
- To purchase additional components or optional cables, contact a Samsung Service Centre or Samsung Customer Care.

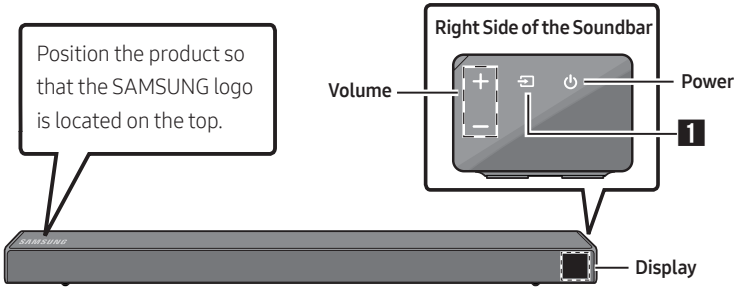
Inserting Batteries before using the Remote Control (AA batteries X 2)

Slide the battery 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 battery cover back into position.

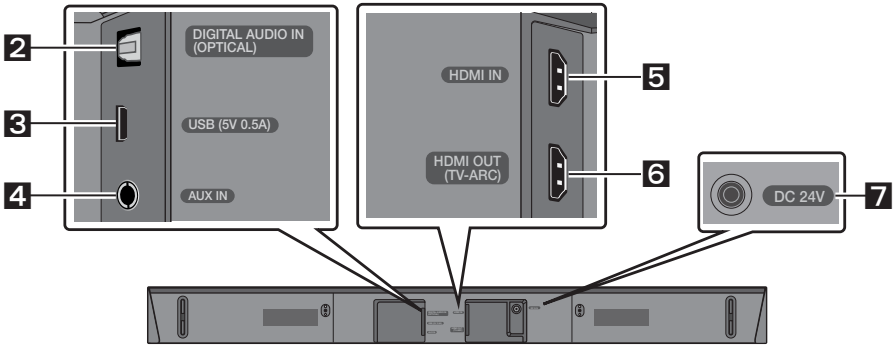


02 PRODUCT OVERVIEW

Front Panel / Right Side Panel of the Soundbar



Bottom Panel of the Soundbar



1	**Source**	Selects the source input mode. (**D.IN** / **AUX** / **HDMI** / **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	**D.IN**	Connect to the digital (optical) output of an external device.
3	**USB**	Connect a USB device here to play music files on the USB device through the Soundbar.
4	**AUX**	Connect to the Analogue output of an external device.
5	**HDMI IN**	Inputs digital video and audio signals simultaneously using an HDMI cable. Connect to the HDMI output of an external device.
6	**HDMI OUT**	Connect to the HDMI (ARC) jack on a TV.
7	**DC 24V**	Connect the AC/DC power adapter. (Power Supply In)

03 CONNECTING THE SOUNDBAR

Connecting Electrical Power

Use the power components (❶, ❷, ❸) to connect the Subwoofer and Soundbar to an electrical outlet in the following order:

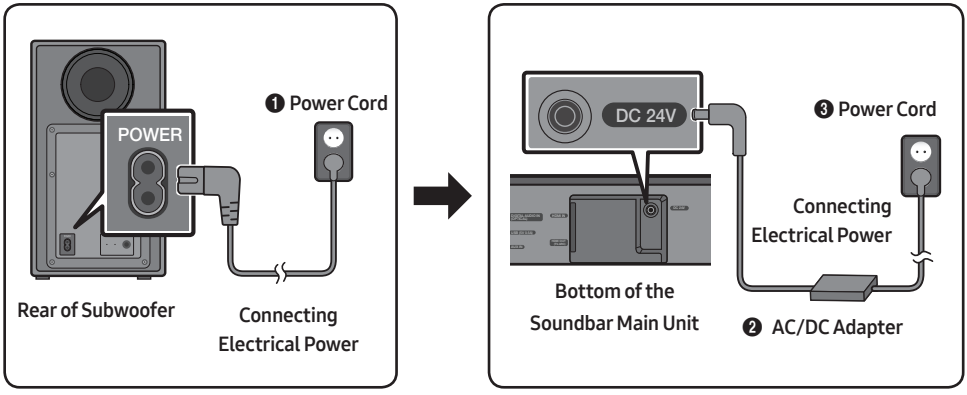
❶ Connect the power cord to the Subwoofer.

❷ Connect the power output cable to the power adapter, and then to the Soundbar.

❸ Connect the power cord to a wall socket.

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)



- Make sure to rest the AC/DC Adapter flat on a table or the floor. If you place the AC/DC Adapter so that it is hanging with the AC cord input facing upwards, water or other foreign substances could enter the Adapter and cause the Adapter to malfunction.

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

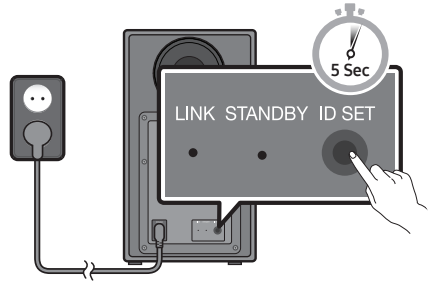
LED	Status	Description	Resolution
Blue	On	Successfully connected (normal operation)	-
	Blinking	Recovering the connection	Check if the power cable attached to the main Soundbar unit is connected properly or wait about 5 minutes. If blinking persists, try manually connecting the subwoofer. See page 6.
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 Centre in this manual.

Manually connecting the Subwoofer if automatic connection fails

Before performing the manual connection procedure below:

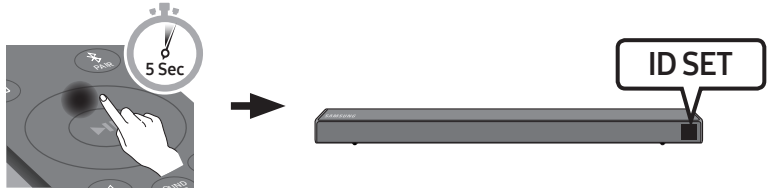
- Check whether the power cables for the Soundbar and subwoofer are connected properly.
- Make sure that the Soundbar is turned on.

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.

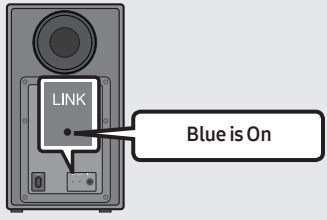


Rear of Subwoofer

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).

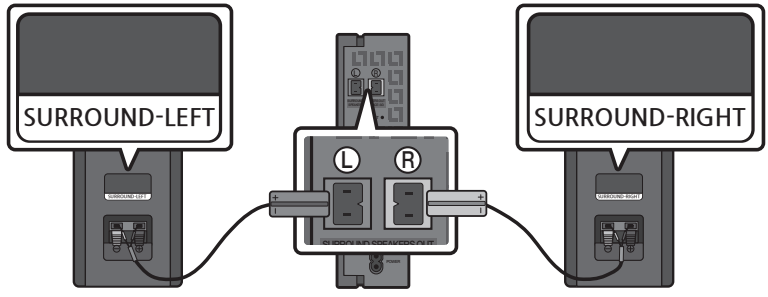


The LINK LED indicator stops blinking and glows a solid blue when a connection is established between the Soundbar and the Wireless Subwoofer.

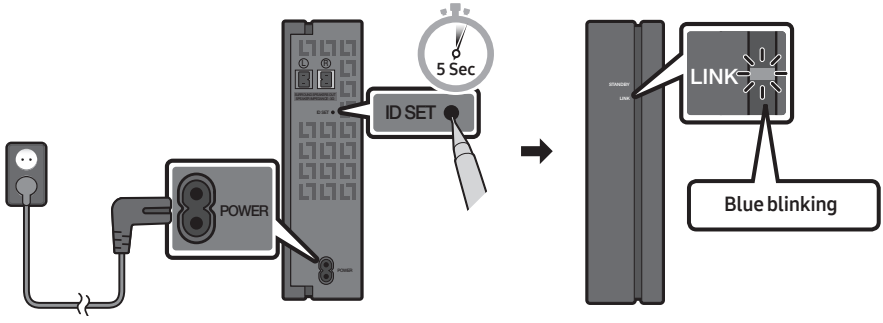
Connecting the SWA-8500S to a Soundbar (Sold Separately)

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

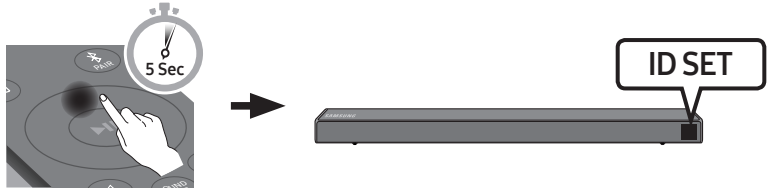
1. Connect the Wireless Receiver Module to 2 Surround Speakers.
   – The speaker cables are colour coded.



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.



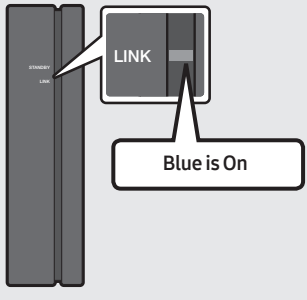
3. Press and hold the **Up** button on the remote control for at least 5 seconds.
   - The **ID SET** message appears on the display of the Soundbar for a moment, and then it disappears.
   - The Soundbar will automatically power on when **ID SET** is complete.



⚠ 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 finalises.

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

04 CONNECTING TO YOUR TV

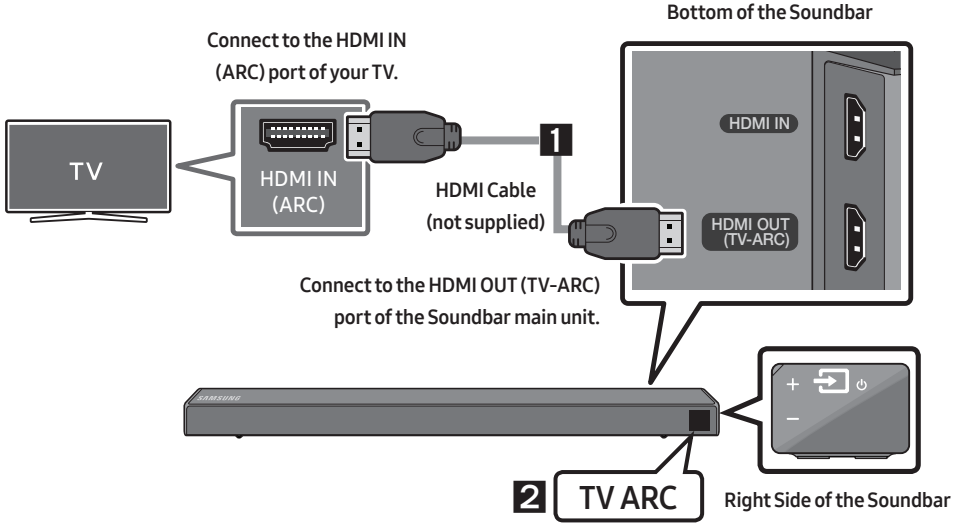
Hear TV sound from your Soundbar through wired or wireless connections.

- When the Soundbar is connected to selected Samsung TVs, the Soundbar can be controlled using the TV's remote control.
  - This feature is supported by 2017 and later Samsung Smart TVs that support Bluetooth when you connect the Soundbar to the TV using an optical cable.
  - This function also allows you to use the TV menu to adjust the sound field and various settings as well as the volume and mute.

Method 1. Connecting with a Cable

When the audio in a broadcast is encoded in Dolby Digital and the "Digital Output Audio Format" on your TV is set to PCM, we recommend that you change the setting to Dolby Digital. When the setting on the TV is changed, you will experience better sound quality. (The TV menu may differ depending on the TV manufacturer.)

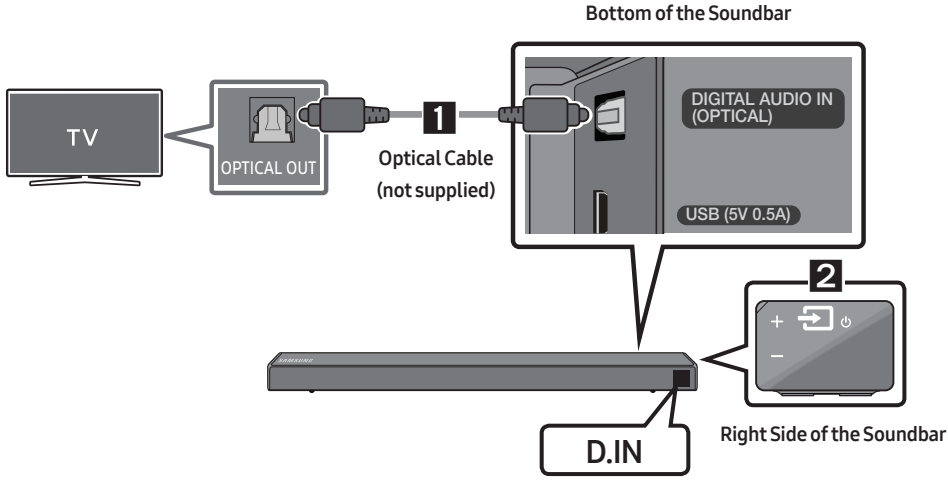
Connecting a TV using an HDMI Cable



1. With the Soundbar and TV turned on, connect the HDMI cable (not supplied) as shown in the figure.

2. "**TV ARC**" appears in the display window of the Soundbar main unit and the Soundbar plays TV sound.
   - If TV sound is inaudible, press the **(Source)** button on the remote control or on the right side of the Soundbar to switch to "**D.IN**" mode. The screen displays "**D.IN**" and "**TV ARC**" in sequence, and TV sound is played.
   - If "**TV ARC**" does not appear in the display window of the Soundbar main unit, confirm that the HDMI cable (not supplied) is connected to the correct port.
   - Use the volume buttons on the TV's remote control to change the volume on the Soundbar.

Connecting using an Optical Cable



1. Connect the **DIGITAL AUDIO IN (OPTICAL)** jack on the Soundbar to the OPTICAL OUT jack of the TV with a digital optical cable (not supplied).
2. Press the **(Source)** button on the right side panel or remote control, and then select the "**D.IN**" mode.

Auto Power Link

Auto Power Link automatically turns on the Soundbar when the TV is turned on.

1. Connect the Soundbar and a TV with a digital optical cable (not supplied).
2. Press the **(Source)** button on the right side panel or on the remote control, and then select "**D.IN**".

3. Press the **Left** button on the remote control (the blue spot in the illustration to the right) for 5 seconds to turn Auto Power Link on or off.
   - Auto Power Link is set to ON by default.
     (To turn off this function, hold the **Left** button on the remote for 5 seconds.)
   - Depending on the connected device, Auto Power Link may not function.
   - This function is only available in the "**D.IN**" mode.

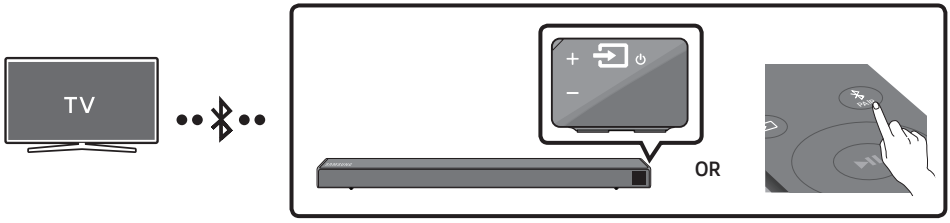


Method 2. Connecting Wirelessly

Connecting a TV via Bluetooth

When a TV is connected using Bluetooth, you can hear stereo sound without the hassle of cabling.

- Only one TV can be connected at a time.



The initial connection

1. Press the **PAIR** button on the remote control to enter the "**BT PAIRING**" mode.

(OR)

a. Press the **(Source)** button on the right side panel and then select "**BT**".
   Change "**BT**" to "**BT READY**".

b. When "**BT READY**" appears, press and hold the **(Source)** button on the right side panel of the Soundbar for more than 5 seconds to display "**BT PAIRING**".

2. Select Bluetooth mode on the TV. (For more information, see the TV's manual.)
3. Select "**[AV] Samsung Soundbar Nxxx N-Series**" from the list on TV's screen.
   An available Soundbar is indicated with "**Need Pairing**" or "**Paired**" on the TV's Bluetooth device list. To connect the TV to the Soundbar, select the message, and then establish a connection.
   - When the TV is connected, [**TV Name**] → "**BT**" appears on the Soundbar's front display.
4. You can now hear TV sound from the Soundbar.

If the device fails to connect

- If a previously connected Soundbar listing (e.g. "**[AV] Samsung Soundbar Nxxx N-Series**") appears in the list, delete it.
- Then repeat steps 1 through 3.

Disconnecting the Soundbar from the TV

Press the **(Source)** button on the right side panel or on the remote control and switch to any mode but "**BT**".

- Disconnecting takes time because the TV must receive a response from the Soundbar. (The time required may differ, depending on the TV model.)
- To cancel the automatic Bluetooth connection between the Soundbar and TV, press the **►II (Play/Pause)** button on the remote control for 5 seconds with the Soundbar in "**BT READY**" status. (Toggle On → Off)

What is the difference between BT READY and BT PAIRING?

- **BT READY** : In this mode, you can search for previously connected TVs or connect a previously connected mobile device to the Soundbar.
- **BT PAIRING** : In this mode, you can connect a new device to the Soundbar. (Press the **PAIR** button on the remote control or press and hold the **(Source)** button on the right side of the Soundbar for more than 5 seconds while the Soundbar is in "**BT**" mode.)

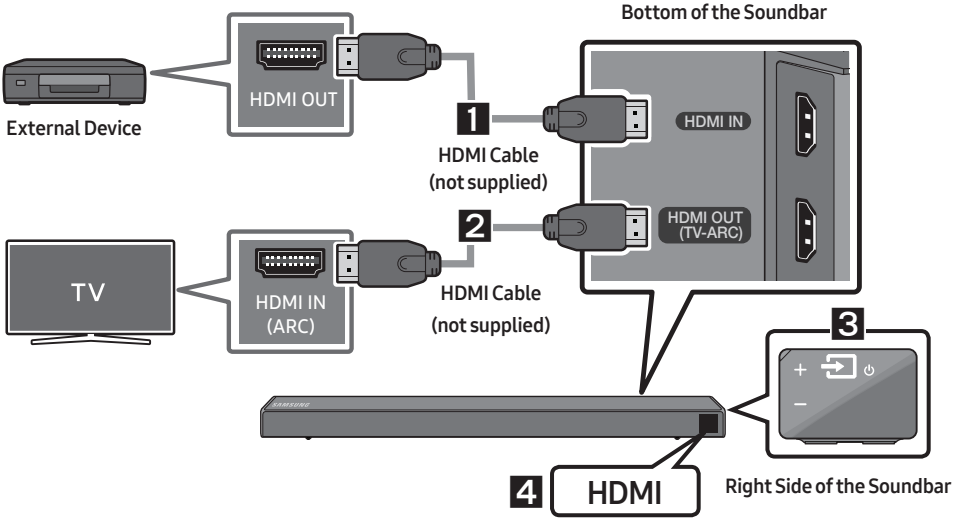
NOTES

- If asked for a PIN code when connecting a Bluetooth device, enter <0000>.
- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Soundbar and the Bluetooth device exceeds 10 meters.
- The Soundbar automatically turns off after 5 minutes in the Ready state.
- The Soundbar may not perform Bluetooth search or connection correctly under the following circumstances:
  - If there is a strong electrical field around the Soundbar.
  - If several Bluetooth devices are simultaneously paired with the Soundbar.
  - If the Bluetooth device is turned off, not in place, or malfunctions.
- Electronic devices may cause radio interference. Devices that generate electromagnetic waves must be kept away from the Soundbar main unit - e.g., microwaves, wireless LAN devices, etc.

05 CONNECTING AN EXTERNAL DEVICE

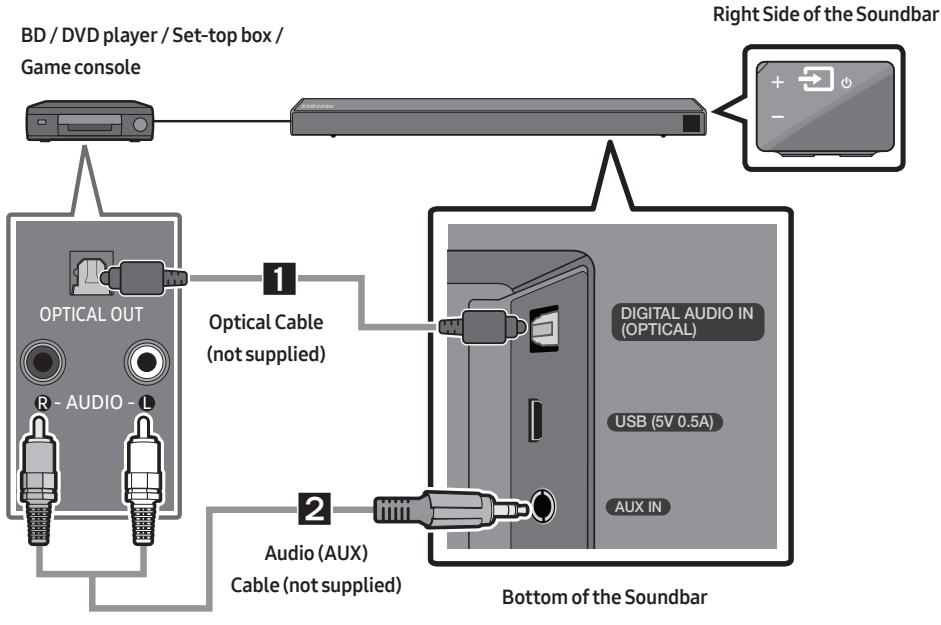
Connect to an external device via a wired or wireless network to play the external device's sound through the Soundbar.

Connecting using an HDMI Cable



1. Connect an HDMI cable (not supplied) from the **HDMI IN** jack on the back of the product to the HDMI OUT jack on your digital device.
2. Connect an HDMI cable (not supplied) from the **HDMI OUT (TV-ARC)** jack on the back of the product to the HDMI IN jack on your TV.
3. Press the **(Source)** button on the right side panel or on the remote control, and then select "**HDMI**".
4. "**HDMI**" mode is displayed on the Soundbar display panel and sound plays.

Connecting using an Optical or Analogue Audio (AUX) Cable



1 Optical Cable

❶ Connect **DIGITAL AUDIO IN (OPTICAL)** on the main unit to the OPTICAL OUT jack of the Source Device using a digital optical cable (not supplied).

❷ Select "**D.IN**" mode by pressing the **(Source)** button on the right side panel or on the remote control.

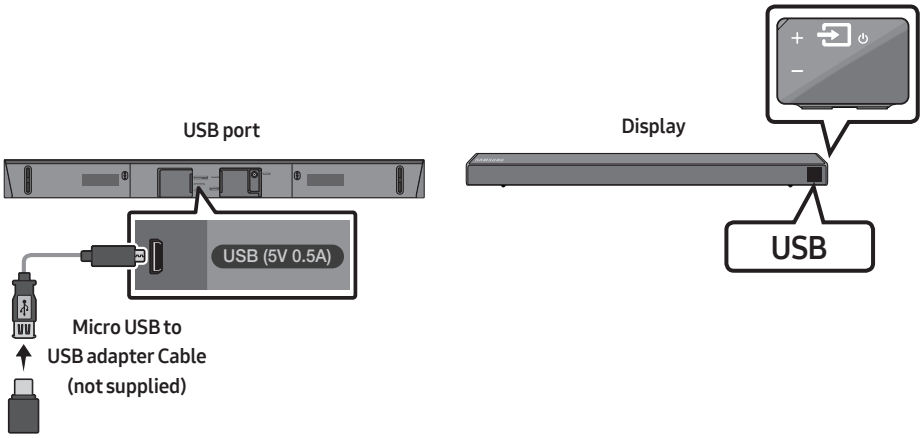
2 Audio (AUX) Cable

❶ Connect **AUX IN** (Audio) on the main unit to the AUDIO OUT jack of the Source Device using an audio cable.

❷ Select "**AUX**" mode by pressing the **(Source)** button on the right side panel or on the remote control.

06 CONNECTING A USB STORAGE DEVICE

You can play music files located on USB storage devices through the Soundbar.



1. Connect a Micro USB to USB adapter cable with a male USB 2.0 Micro USB plug (Type B) on one end and a standard female 2.0 USB jack (Type A) on the other end to the micro USB jack on your Soundbar.
   - The Micro USB to USB adapter cable is sold separately. To purchase, contact a Samsung Service Centre or Samsung Customer Care.
2. Connect your USB device to the female end of the adapter cable.
3. Press the **(Source)** button on the right side panel or on the remote control, and then select "**USB**".
4. "**USB**" appears in the display screen.
5. Play music files from the USB storage device through the Soundbar.
   - The Soundbar automatically turns off (Auto Power Off) if no USB device has been connected for more than 5 minutes.

Software Update

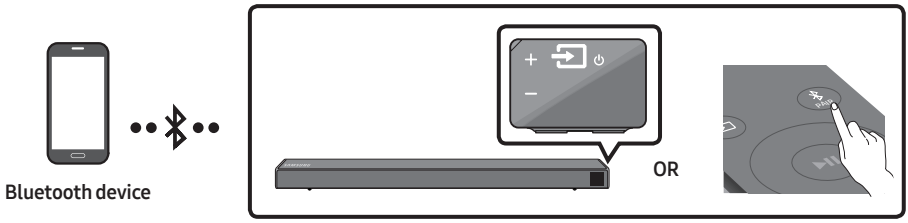
Samsung may offer updates for the Soundbar's system firmware in the future.
If an update is offered, you can update the firmware by connecting a USB device with the firmware update stored on it to the USB port on your Soundbar. For more information about how to download update files, go to the Samsung Electronics website at www.samsung.com→Support.
Then, enter or select the model number of your Soundbar, select the Software & Apps option, and then Downloads. Note that the option names can vary.

07 CONNECTING A MOBILE DEVICE

Connecting via Bluetooth

When a mobile device is connected using Bluetooth, you can hear stereo sound without the hassle of cabling.

- You cannot connect more than one Bluetooth device at a time.



The initial connection

1. Press the **PAIR** button on the remote control to enter the "**BT PAIRING**" mode.

(OR)

a. Press the **(Source)** button on the right side panel and then select "**BT**". Change "**BT**" to "**BT READY**".

b. When "**BT READY**" appears, press and hold the **(Source)** button on the right side panel of the Soundbar for more than 5 seconds to display "**BT PAIRING**".

2. On your device, select "**[AV] Samsung Soundbar Nxxx N-Series**" from the list that appears.
   - When the Soundbar is connected to the Bluetooth device, [**Bluetooth Device Name**] → "**BT**" appears in the front display.
3. Play music files from the device connected via Bluetooth through the Soundbar.

If the device fails to connect

- If a previously connected Soundbar listing (e.g. "**[AV] Samsung Soundbar Nxxx N-Series**") appears in the list, delete it.
- Then repeat steps 1 through 2.

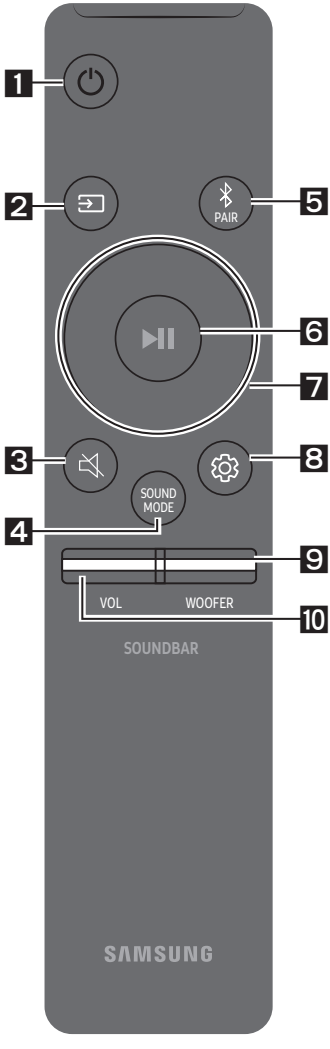
NOTE

- After you have connected the Soundbar to your mobile device the first time, use the "**BT READY**" mode to reconnect. See Page 12 for details.

For more information about Bluetooth connections, refer to "Connecting a TV via Bluetooth" on pages 11~ 12.

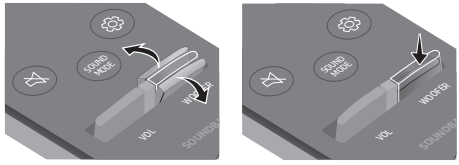
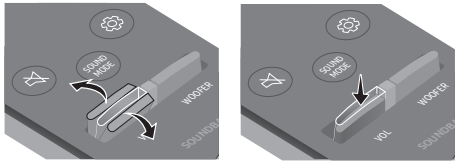
08 USING THE REMOTE CONTROL

How to Use the Remote Control



1	Power	Turns the Soundbar on and off.
2	Source	Press to select a source connected to the Soundbar.
3	Mute	Press the **(Mute)** button to mute the sound. Press it again to unmute the sound.
4	SOUND MODE	You can select the desired sound effect by choosing **STANDARD** or **SURROUND**. • **DRC (Dynamic Range Control)** Lets you apply dynamic range control to Dolby Digital tracks. Press and hold the **SOUND MODE** button while the Soundbar is powered off to turn DRC (Dynamic Range Control) on or off. With the DRC turned on, loud sound is reduced. (The sound may be distorted.) • **Bluetooth Power** This feature automatically turns the Soundbar on when it receives a connection request from a previously connected TV or Bluetooth device. The setting is On by default. – Press and hold the **SOUND MODE** button for more than 5 seconds to turn off the Bluetooth Power function.

5	 **Bluetooth PAIR**	Press the **PAIR** button. "**BT PAIRING**" appears in the Soundbar's display. You can connect the Soundbar to a new Bluetooth device in this mode by selecting the Soundbar from the Bluetooth device's search list.
6	 **Play / Pause**	Press the ▶II button to pause a music file temporarily. When you press the button again, the music file plays.
7	 **Up/Down/ Left/Right**	 **Press the indicated areas to select Up/Down/Left/Right.** Press Up/Down/Left/Right on the button to select or set functions. • **Repeat** To use the Repeat function in "**USB**" mode, press the **Up** button. • **Music Skip** Press the **Right** button to select the next music file. Press the **Left** button to select the previous music file. • **Anynet+ / Auto Power Link** You can turn Anynet+ and Auto Power Link on or off. Anynet+ and Auto Power Link are turned on and turned off by the **Right** and **Left** buttons respectively. – Anynet+ : If the Soundbar is connected to a Samsung TV through an HDMI cable, you can control your Soundbar with a Samsung TV remote control. Press and hold the **Right** button for 5 seconds to toggle Anynet+ ON and OFF. – Auto Power Link : If the Soundbar is connected to your TV through a digital optical cable, the Soundbar can automatically turn on when you turn on your TV. Press and hold the **Left** button for 5 seconds to toggle Auto Power Link ON and OFF. – Anynet+ / Auto Power Link are set to ON by default. • **ID SET** Press and hold the **Up** button for 5 seconds to complete **ID SET** (when connecting to an accessary item).

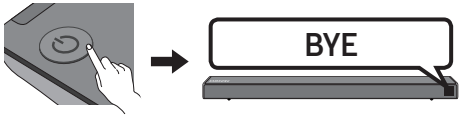
8	**Sound Control**	You can select from **TREBLE**, **BASS**, or **AUDIO SYNC**. • To control the volume of the treble or bass sound, select **TREBLE** or **BASS** in Sound Settings, and then adjust the volume between -6~+6 by using the **Up/Down** buttons. • If the video on the TV and audio from the Soundbar are not synchronised, select **AUDIO SYNC** in Sound Settings, and then set the audio delay between 0~300 milliseconds by using the **Up/Down** buttons. (Not available in "**USB**" mode.) • **AUDIO SYNC** is only supported for some functions.
9	**WOOFER**	 Push the button up or down to adjust the volume of the subwoofer to -12 or between -6 to +6. To set the subwoofer volume level to 0, press the button.
10	**VOL**	 Push the button up or down to adjust the volume. • **Mute** Press the **VOL** button to mute the sound. Press it again to unmute the sound.

Adjusting the Soundbar volume with a TV remote control

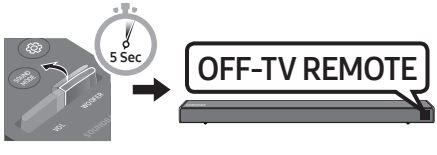
If you have a Samsung TV, you can adjust the Soundbar's volume using the IR remote control that came with your Samsung TV.

First use the TV menu to set the TV audio on your Samsung TV to external speakers, then use your Samsung remote to control the Soundbar's volume. For more information, see the TV's user manual. The default mode for this function is control by a Samsung TV remote. If your TV is not a Samsung TV, follow the directions below to change the settings of this function.

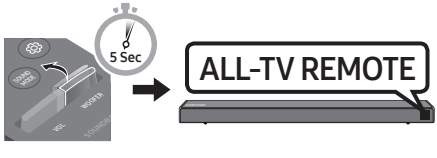
1. Turn Off the Soundbar.



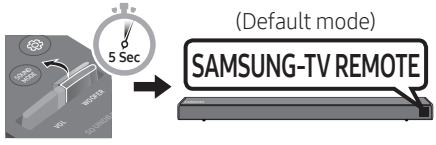
2. If you do not want to use this function, push up and hold the **WOOFER** button repeatedly for 5 seconds until "**OFF-TV REMOTE**" appears in the display.



3. If you want to control the Soundbar with your TV's remote, push up and hold the **WOOFER** button for 5 seconds repeatedly until "**ALL-TV REMOTE**" appears in the display. Then, use your TV's menu to select external speakers.



4. If you want to return the Soundbar to the default mode (control by a Samsung TV remote), push up and hold the **WOOFER** button for 5 seconds repeatedly until "**SAMSUNG-TV REMOTE**" appears in the display.



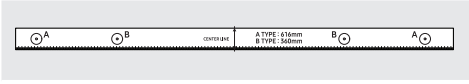
- Each time you push the **WOOFER** button up and hold it for 5 seconds, the mode switches in the following order: "**SAMSUNG-TV REMOTE**" (Default mode) → "**OFF-TV REMOTE**" → "**ALL-TV REMOTE**".
- This function may not be available, depending on the remote control.
- For manufacturers that support this feature, refer to the FULL MANUAL for your Soundbar on the Samsung web site (www.samsung.com/support).
- This volume control function works with IR TV remotes only. It does not work with Bluetooth TV remotes (remotes that require pairing)

09 INSTALLING THE WALL MOUNT

Installation Precautions

- Install on a vertical wall only.
- Do not install in a place with high temperature or humidity.
- Verify whether the wall is strong enough to support the product's weight. If not, reinforce the wall or choose another installation point.
- Purchase and use the fixing screws or anchors appropriate for the kind of wall you have (plaster board, iron board, wood, etc.). If possible, fix the support screws into wall studs.
- Purchase wall mounting screws according to the type and thickness of the wall you want to mount the Soundbar on.
  - Diameter: M5
  - Length: 35 mm or longer recommended.
- Connect cables from the unit to external devices before you install the Soundbar on the wall.
- Make sure the unit is turned off and unplugged before you install it. Otherwise, it may cause an electric shock.

Wallmount Components



Wall Mount Guide



Holder-Screw (2 EA)

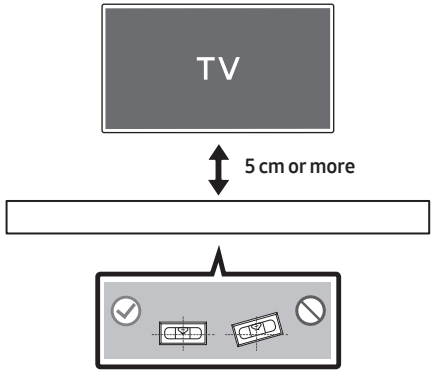


Screw (2 EA)

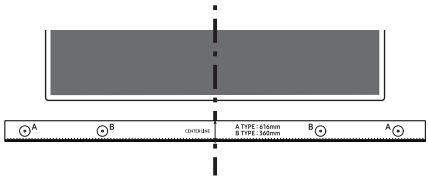


Bracket-Wall Mount (2 EA)

1. Place the **Wall Mount Guide** against the wall surface.
   - The **Wall Mount Guide** must be level.
   - If your TV is mounted on the wall, install the Soundbar at least 5 cm below the TV.

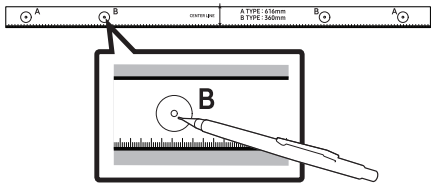


2. Align the **Wall Mount Guide's Centre Line** with the centre of your TV (if you are mounting the Soundbar below your TV), and then fix the **Wall Mount Guide** to the wall using tape.
   - If you are not mounting below a TV, place the **Centre Line** in the centre of the installation area.



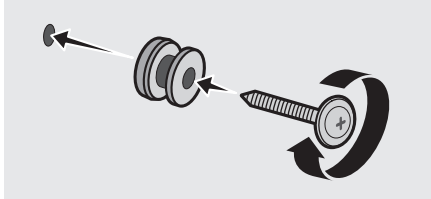
Centre Line

3. Push a pen tip or sharpened pencil tip through the centre of the **B-TYPE** images on each end of the Guide to mark the holes for the supporting screws, and then remove the **Wall Mount Guide**.

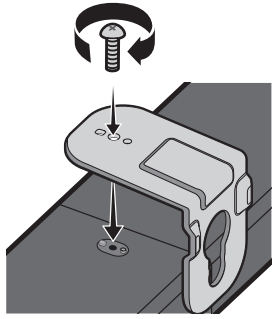


4. Using an appropriately sized drill bit, drill a hole in the wall at each marking.
   - If the markings do not correspond to the positions of studs, make sure you insert appropriate anchors or mollies into the holes before you insert the support screws. If you use anchors or mollies, make sure the holes you drill are large enough for the anchors or mollies you use.

5. Push a screw (not supplied) through each **Holder-Screw**, and then screw each screw firmly into a support screw hole.

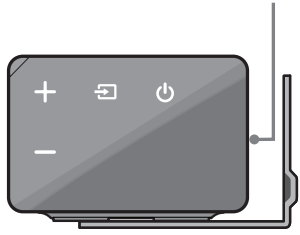


6. Install the 2 **Bracket-Wall Mounts** in the correct orientation on the bottom of the Soundbar using 2 **Screws**.



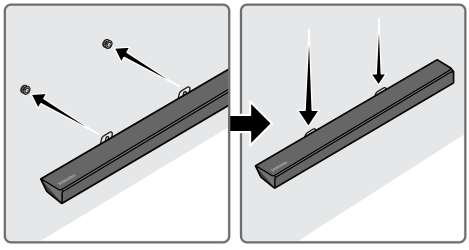
   - When assembling, make sure the hanger part of the **Bracket-Wall Mounts** are located behind the rear of the Soundbar.

Rear of Soundbar

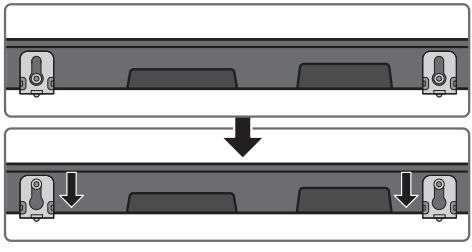


Right end of Soundbar

7. Install the Soundbar with the attached **Bracket-Wall Mounts** by hanging the **Bracket-Wall Mounts** on the **Holder-Screws** on the wall.



8. Slide the Soundbar down as shown below so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.
   - Insert the **Holder-Screws** into the wide (bottom) part of the **Bracket-Wall Mounts**, and then slide the **Bracket-Wall Mounts** down so that **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.



10 TROUBLESHOOTING

Before seeking assistance, check the following.

The unit will not turn on.

Is the power cord plugged into the outlet?

➞ Connect the power plug to the outlet.

A function does not work when the button is pressed.

Is there static electricity in the air?

➞ Disconnect the power plug and connect it again.

Sound dropouts occur in BT mode.

➞ See the Bluetooth connection sections on pages 11 and 16.

Sound is not produced.

Is the Mute function on?

➞ Press the **VOL** button to cancel the function.

Is the volume set to minimum?

➞ Adjust the Volume.

The remote control does not work.

Are the batteries drained?

➞ Replace with new batteries.

Is the distance between the remote control and Soundbar main unit too far?

➞ Move the remote control closer to the Soundbar main unit.

The red LED on the subwoofer blinks and the subwoofer is not producing sound.

This issue can occur if the subwoofer is not connected to the Soundbar main unit.

➞ Try to connect your subwoofer again. (See page 5.)

The subwoofer drones and vibrates noticeably.

Try to adjust the vibration of your subwoofer.

➞ Push the **WOOFER** button on your remote control up or down to adjust the subwoofer volume. (to -12, or between -6 ~ +6).

11 LICENCE



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12 OPEN SOURCE LICENCE NOTICE

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13 IMPORTANT NOTES ABOUT SERVICE

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  (a) an engineer is called out at your request and there is no defect with the product (i.e. where the user manual has not been read).
  (b) you bring the unit to a repair centre and there is no defect with the product (i.e. where the user manual has not been read).
- You will be informed of the administration fee amount before a technician visits.

14 SPECIFICATIONS AND GUIDE

Specifications

Model Name	HW-N450
USB	5V/0.5A
Weight	2.2 kg
Dimensions(W x H x D)	904.0 x 55.0 x 80.0 mm
Operating Temperature Range	+5°C to +35°C
Operating Humidity Range	10 % ~ 75 %
AMPLIFIER Rated Output power	40W x 4
Supported play formats (DTS 2.0 sound is played in DTS format.)	LPCM 2ch, Dolby Audio™ (supporting Dolby® Digital), DTS
WIRELESS DEVICE OUTPUT POWER BT max transmitter power SRD max transmitter power	 100mW at 2.4GHz – 2.4835GHz 25mW at 5.725GHz – 5.825GHz

Subwoofer Name	PS-WN20
Weight	5.7 kg
Dimensions(W x H x D)	220.0 x 369.0 x 279.0 mm
AMPLIFIER Rated Output power	160W

Overall Standby Power Consumption (W)	2.9W
Bluetooth Port deactivation method	Press and hold the **SOUND MODE** button for more than 5 seconds to turn off Bluetooth Power function.

NOTES

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.

- Hereby, Samsung Electronics, declares that this equipment is in compliance with Directive 2014/53/EU.
  The full text of the EU declaration of conformity is available at the following internet address: http://www.samsung.com go to Support > Search Product Support and enter the model name.
  This equipment may be operated in all EU countries.



[Correct disposal of batteries in this product]

(Applicable in countries with separate collection systems)
This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.
If batteries are not properly disposed of, these substances can cause harm to human health or the environment.
To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.



Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)
This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product specific regulatory obligations e.g. REACH, WEEE, Batteries, visit:
http://www.samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html



UNITED KINGDOM



EIRE

This Samsung product is warranted for the period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should return the product to the retailer from whom it was purchased. However, Samsung Authorised Dealers and Authorised Service Centres in other EC Countries will comply with the warranty on the terms issued to purchasers in the country concerned. In case of difficulty, details of our Authorised Service Centres are available from:

Samsung Electronics U.K. Ltd
Samsung Customer Support Centre
Selectapost 38, Sheffield, S97 3FJ
United Kingdom

United Kingdom
Tel : 0330 SAMSUNG (7267864)
www.samsung.com/uk/support

EIRE
Tel : 0818 717100
www.samsung.com/ie/support

■ **WARRANTY CONDITIONS**

1. The warranty is only valid if, when warranty service is required, the warranty card is fully and properly completed and is presented with the original invoice or sales slip or confirmation, and the serial number on the product has not been defaced.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Authorised Samsung Dealers or Authorised Service Centres. No re-imbursement will be made for repairs carried out by non Samsung Dealers and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and anufactured. This warranty will not cover, and no re-imbursement will be made for such adaptation nor any damage which may result.
5. This warranty covers none of the following:
   a) Periodic check ups, maintenance and repair or replacement of parts due to normal wear and tear.
   b) Cost relating to transport, removal or installation of the product.
   c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
   d) Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper ventilation or any other cause beyond the control of Samsung.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. The consumers statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers sole rights and Samsung, its subsidiaries and distributors shall not be liable for indirect or consequential loss or any damage to records, compact discs, videos or audio taper or any other related equipment or material.

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SAMSUNG

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IRELAND (EIRE)	0818 717100	www.samsung.com/ie/support
GERMANY	06196 77 555 77	www.samsung.com/de/support
FRANCE	01 48 63 00 00	www.samsung.com/fr/support
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SPAIN	0034902172678	www.samsung.com/es/support
PORTUGAL	808 207 267	www.samsung.com/pt/support
LUXEMBURG	261 03 710	www.samsung.com/be_fr/support
NETHERLANDS	088 90 90 100	www.samsung.com/nl/support
BELGIUM	02-201-24-18	www.samsung.com/be/support (Dutch) www.samsung.com/be_fr/support (French)
NORWAY	815 56480	www.samsung.com/no/support
DENMARK	707 019 70	www.samsung.com/dk/support
FINLAND	030-6227 515	www.samsung.com/fi/support
SWEDEN	0771 726 786	www.samsung.com/se/support
POLAND	801-172-678* lub +48 22 607-93-33* * (koszt połączenia według taryfy operatora)	http://www.samsung.com/pl/support/
HUNGARY	0680SAMSUNG (0680-726-7864)	www.samsung.com/hu/support
AUSTRIA	0800-SAMSUNG (0800-7267864) [Only for Dealers] 0810-112233	www.samsung.com/at/support

Country	Contact Centre ☎	Web Site
SWITZERLAND	0800 726 78 64 (0800-SAMSUNG)	www.samsung.com/ch/support (German) www.samsung.com/ch_fr/support (French)
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com/cz/support
SLOVAKIA	0800 - SAMSUNG (0800-726 786)	www.samsung.com/sk/support
CROATIA	072 726 786	www.samsung.com/hr/support
BOSNIA	055 233 999	www.samsung.com/support
MONTENEGRO	020 405 888	
SLOVENIA	080 697 267 (brezplačna številka)	www.samsung.com/si/support
SERBIA	011 321 6899	www.samsung.com/rs/support
ALBANIA	045 620 202	www.samsung.com/al/support
BULGARIA	*3000 Цена в мрежата 0800 111 31, Безплатна телефонна линия	www.samsung.com/bg/support
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GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
LITHUANIA	8-800-77777	www.samsung.com/lt/support
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