SAMSUNG

User guide

HW-B650D

Thank you for purchasing this Samsung product.

To receive more complete service, please register your product at www.samsung.com

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.

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 or 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.
   CAUTION : Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

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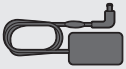
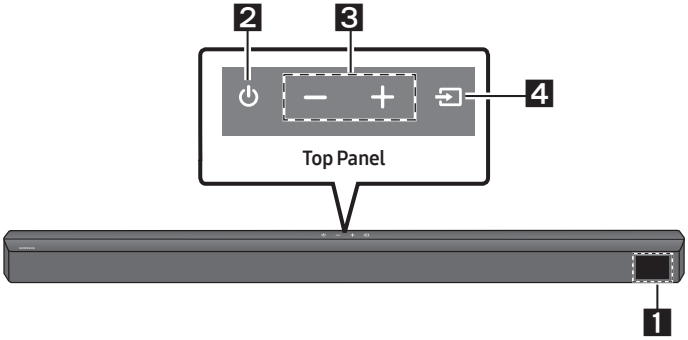
01 CHECKING THE COMPONENTS

		
Soundbar Main Unit	**Subwoofer**	**Remote Control / Batteries**
 x 2		
Power Cord (Subwoofer, Soundbar)	**AC/DC Adapter (Soundbar)**	**Wall Mount Guide**
 x 2	 x 2 (M4 x L10)	 x 2
Holder-Screw	**Screw**	**Bracket-Wall Mount**

- 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 Centre or Samsung Customer Care.
- Depending on the region, the appearance of the AC plug may differ from the plug displayed above, or it may be supplied integrated with the AC/DC adapter.
- The appearance of the accessories may differ slightly from the illustrations above.
- Design and specifications are subject to change without prior notice.

02 PRODUCT OVERVIEW

Front Panel / Top Panel of the Soundbar



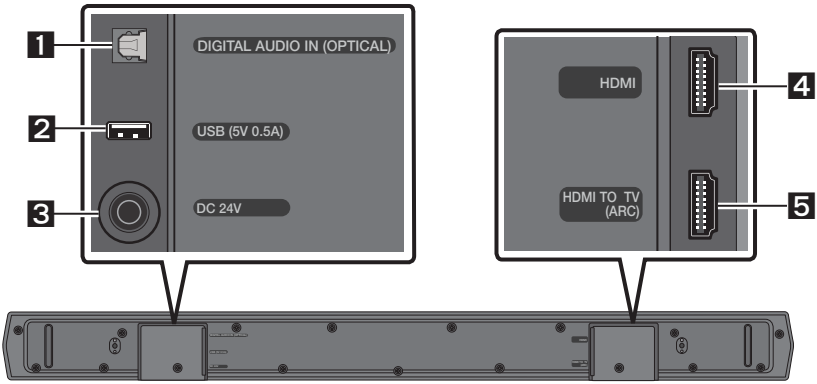
1	**Display** Displays the product's status and current mode.
2	**(Power) Button** Turns the power on and off. • **Auto Power Down Function** The unit turns off automatically in the following situations: – In **TV ARC / HDMI / BT / USB / D.IN** Mode : If there is no audio signal for 18 minutes.
3	**– +(Volume) Button** Adjusts the volume. • When adjusted, the volume level appears on the Soundbar's front display.
4	**(Source) Button** Selects the source input mode.

Input mode	Display
ARC (HDMI OUT) input	TV ARC
HDMI input	HDMI
BLUETOOTH mode	BT
USB mode	USB
Optical Digital input	D.IN

• To turn on **"BT PAIRING**" mode, change the source to "**BT**" mode in "**BT READY**" state and then press and hold the **(Source)** button for more than 5 seconds.

- When you plug in the AC cord, the power button will begin working in 4 to 6 seconds.
- When you turn on this unit, there will be a 4 to 5 second delay before it produces sound.
- If you want to enjoy sound only from the Soundbar, you must turn off the TV's speakers in the Audio Setup menu of your TV. Refer to the owner's manual supplied with your TV.

Bottom Panel of the Soundbar



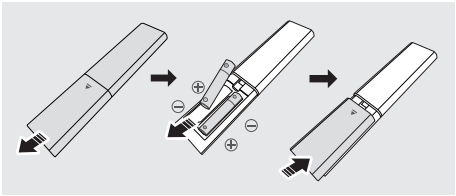
1	**DIGITAL AUDIO IN (OPTICAL)** Connect to the digital (optical) output of an external device.
2	**USB (5V 0.5A)** Connect a USB device here to play music files stored on the USB device through the Soundbar.
3	**DC 24V (Power Supply In)** Connect the AC/DC power adapter.
4	**HDMI** Inputs digital video and audio signals simultaneously using an HDMI cable (not supplied). Connect to the HDMI output of an external device.
5	**HDMI TO TV (ARC)** Connect to the HDMI (ARC) port on a TV.

- When disconnecting the power cable of the AC/DC power adapter from a wall outlet, pull the plug. Do not pull the cable.
- Do not connect this unit or other components to an AC outlet until all connections between components are complete.

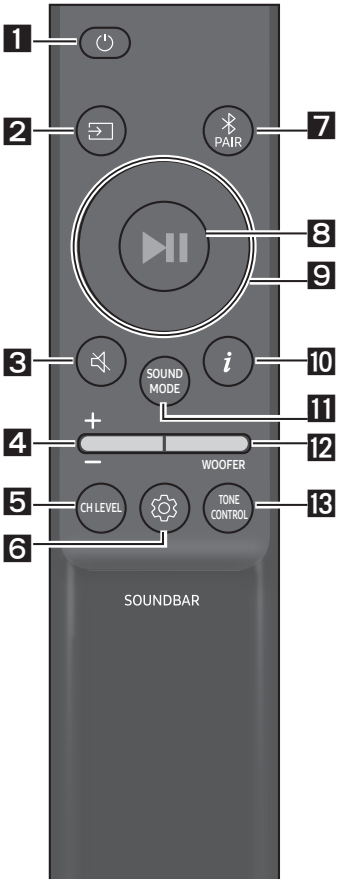
03 USING THE REMOTE CONTROL

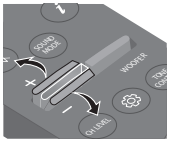
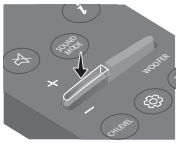
Inserting Batteries before using the Remote Control (AAA batteries X 2)

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



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	Volume	Push the button up or down to adjust the volume.  • **Mute** Press the **Volume** button in to mute the sound. Press it in again to unmute the sound. 

5



CH LEVEL

By pressing the button, you can adjust the volume of each speaker.

- Press the button to select **CENTER LEVEL** and then adjust the volume between -6 to +6 by using the **Up/Down** buttons.
- If the Rear Speakers (sold separately) are connected, the setting **REAR LEVEL** is supported. To adjust the volume of the **REAR LEVEL** between -6 to +6, use the **Up/Down** buttons.

9



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.
- **ID SET**
  Press and hold the **Up** button for 5 seconds to complete **ID SET** (when connecting to a wireless subwoofer or wireless rear speakers).

6



Sound Control

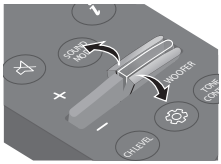
By pressing the button, you can set the audio function. The desired settings can be adjusted using the **Up/Down** buttons.

AUDIO SYNC → NIGHT MODE ON/OFF → VOICE ENHANCE ON/OFF

- **AUDIO SYNC**
  If the video on the TV and audio from the Soundbar are not synchronised, press the **(Sound Control)** button to select **AUDIO SYNC** and then set the audio delay between 0~300 milliseconds by using the **Up/Down** buttons. (Not available in "**USB**" or "**BT**" mode.)
- **NIGHT MODE ON/OFF**
  This mode is optimized for nighttime viewing with the settings adjusted to bring the volume down but keep the dialog clear.
- **VOICE ENHANCE ON/OFF**
  This mode is makes it easier to hear spoken dialog in movies and TV.

- The **NIGHT MODE**, and **VOICE ENHANCE** audio function can be turned **ON/OFF** by using the **Up/Down** buttons.
- Press and hold the **(Sound Control)** button for about 5 seconds to adjust the sound for each frequency band. 150Hz, 300Hz, 600Hz, 1.2kHz, 2.5kHz, 5kHz, and 10kHz are selectable using the **Left/Right** buttons and each can be adjusted to a setting between -6 to +6 using the **Up/Down** buttons. (Make sure the Sound mode is set to "**STANDARD**".)

7	 **Bluetooth PAIR**	Switch the Soundbar to Bluetooth pairing mode. Press the **PAIR** button and wait for the "**BT PAIRING**" screen to connect to a new Bluetooth device.
8	 **Play / Pause**	Press the ▶II button to pause a music file temporarily. When you press the button again, the music file will resume playing.
10	 **Info**	Press the button to display information about the current function. (See page 7.)
11	 **SOUND MODE**	By pressing the button, you can select the desired sound mode. **SURROUND SOUND → GAME → ADAPTIVE → DTS VIRTUAL:X → BASS BOOST → STANDARD** – **SURROUND SOUND** Provides a wider sound field than standard. – **GAME** Provides stereoscopic sound to immerse you in the action while gaming. – **ADAPTIVE** Analyzes the content in real time and automatically provides an optimal sound field based on the characteristics of the content. – **DTS VIRTUAL:X** Immersive 3D sound from any content. – **BASS BOOST** Sound field mode with emphasis on bass sound. – **STANDARD** Outputs the original sound. • **DRC (Dynamic Range Control)** Lets you apply dynamic range control to Dolby Digital tracks. Press and hold the **SOUND MODE** button for more than 5 seconds 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 while the soundbar is powered on to turn off the Bluetooth Power function.

12	 **WOOFER (BASS) LEVEL**	 Push the button up or down to adjust the level of the woofer (bass) to -12 or between -6 to +6. To set the woofer (bass) volume level to 0 (Default), press the button.
13	 **TONE CONTROL**	By pressing the button, you can adjust the volume of the treble or bass sound. • Press the button to select **TREBLE** or **BASS** and then adjust the volume between -6~+6 by using the **Up/Down** buttons.

Using the Hidden Buttons (Buttons with more than one function)

Hidden Button		Reference page
Remote Control Button	**Function**	
WOOFER (Up)	TV remote control On/Off (Standby)	page 14
Left	TV Auto connect On/Off (BT Ready)	page 23
Up	ID SET	page 10
(Sound Control)	7 Band EQ	page 10
SOUND MODE	DRC ON/OFF (Standby)	page 11
	Bluetooth Power On/Off	page 11
PAIR	Bluetooth Multi-connection On/Off (Standby)	page 30

Output specifications for the different sound effect modes

Effect		Input	Output	
			Without Wireless Rear Speaker Kit	**With Wireless Rear Speaker Kit**
SOUND MODE **SOUND MODE**	SURROUND SOUND	2.0 ch	3.1 ch	5.1 ch
		5.1 ch	3.1 ch	5.1 ch
	GAME	2.0 ch	3.1 ch	5.1 ch
		5.1 ch	3.1 ch	5.1 ch
	ADAPTIVE	2.0 ch	3.1 ch	5.1 ch
		5.1 ch	3.1 ch	5.1 ch
	DTS VIRTUAL:X	2.0 ch	3.1 ch	5.1 ch
		5.1 ch	3.1 ch	5.1 ch
	BASS BOOST	2.0 ch	3.1 ch	5.1 ch
		5.1 ch	3.1 ch	5.1 ch
	STANDARD	2.0 ch	2.1 ch	2.1 ch
		5.1 ch	3.1 ch	5.1 ch

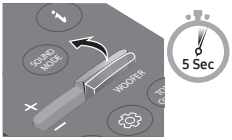
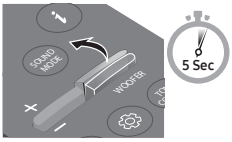
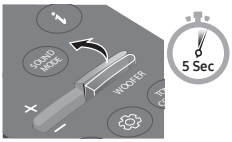
- The Samsung Wireless Rear Speaker Kit can be purchased separately. To purchase a Kit, contact the vendor you purchased the Soundbar from.

Adjusting the Soundbar volume with a TV remote control

Adjust the Soundbar volume using the TV's remote control.

- This function can be used with IR remote controls only. Bluetooth remote controls (remote controls that require pairing) are not supported.
- Set the TV speaker to **External Speaker** to use this function.
- Manufacturers supporting this function:
  Samsung, VIZIO, LG, Sony, Sharp, PHILIPS, PANASONIC, TOSHIBA, Hisense, RCA

1. Turn Off the Soundbar.
2. Push up and hold the **WOOFER** button for 5 seconds.
   Each time you push the **WOOFER** button up and hold it for 5 seconds, the mode switches in the following order: "**OFF-TV REMOTE**" (Default mode), "**SAMSUNG-TV REMOTE**", "**ALL-TV REMOTE**".

Remote Control Button	Display	Status
	(Default mode) 	Disable the TV remote control.
		Enable a Samsung TV's IR remote control.
		Enable a third-party TV's IR remote control.

04 CONNECTING THE SOUNDBAR

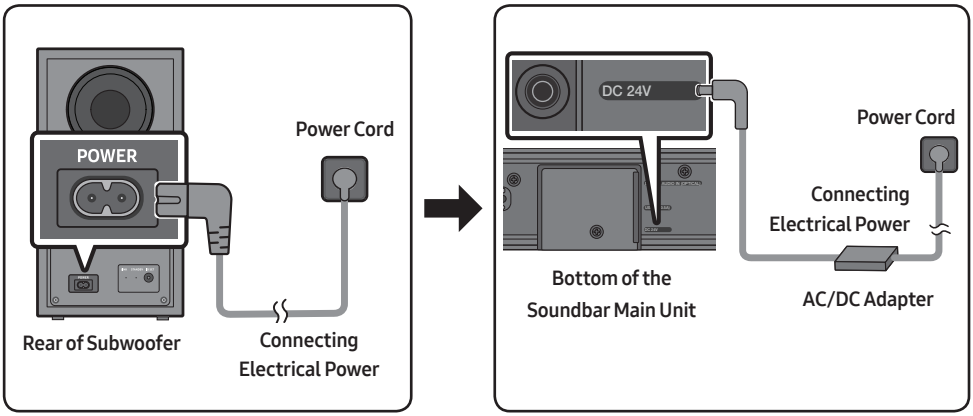
Connecting Electrical Power

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 output cable to the power adapter, and then to the Soundbar.
3. 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

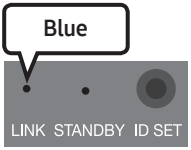
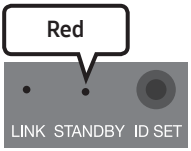
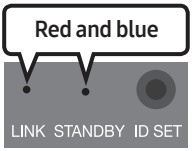
When the subwoofer is connected, you can enjoy rich bass sound.

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

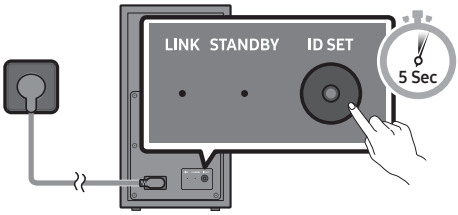
LED	Status	Description	Resolution
	On	Successfully connected (normal operation)	-
	Blinking	Recovering the connection	Check if the power cable attached to the main Soundbar unit is connected properly or wait about 5 minutes. If blinking persists, try manually connecting the subwoofer. See page 17.
	On	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 17.
	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:

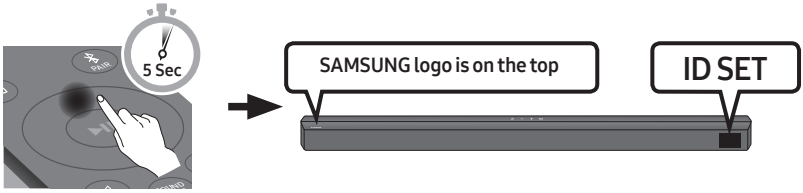
- Check whether the power cables for the Soundbar and subwoofer are connected properly.
- Make sure that the Soundbar is turned on.

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.

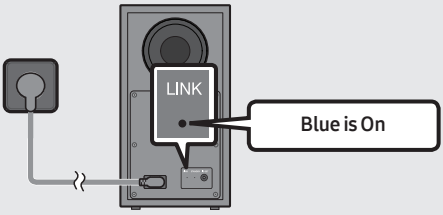


Rear of Subwoofer

2. First, press the button on the remote control to turn on the display.
   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.

NOTES

- Do not connect the power cord of this product or your TV to a wall outlet until all connections between components are complete.
- Before moving or installing this product, be sure to turn off the power and disconnect the power cord.
- If the main unit is powered off, the wireless subwoofer will go into stand-by mode and the STANDBY LED on the rear of the sub-woofer will turn red after blinking blue several times.
- If you use a device that uses the same frequency (5.8GHz) as the Soundbar near the Soundbar, interference may cause some sound interruption.
- The maximum transmission distance of the main unit's wireless signal is about 10 m, but may vary depending on your operating environment. If a steel-concrete or metallic wall is between the main unit and the wireless subwoofer, the system may not operate at all because the wireless signal cannot penetrate metal.

PRECAUTIONS

- Wireless receiving antennas are built into the wireless subwoofer. Keep the unit away from water and moisture.
- For optimal listening performance, make sure that the area around the wireless subwoofer and the Wireless Receiver Module (sold separately) is clear of any obstacles.

Connecting the Samsung Wireless Rear Kit to your Soundbar

Expand to true wireless surround sound by connecting the Samsung Wireless Rear Speaker Kit (SWA-9200S sold separately) to your Soundbar.
For detailed information on connections, see the Samsung Wireless Rear Speaker Kit manual.

05 USING A WIRED CONNECTION TO THE TV

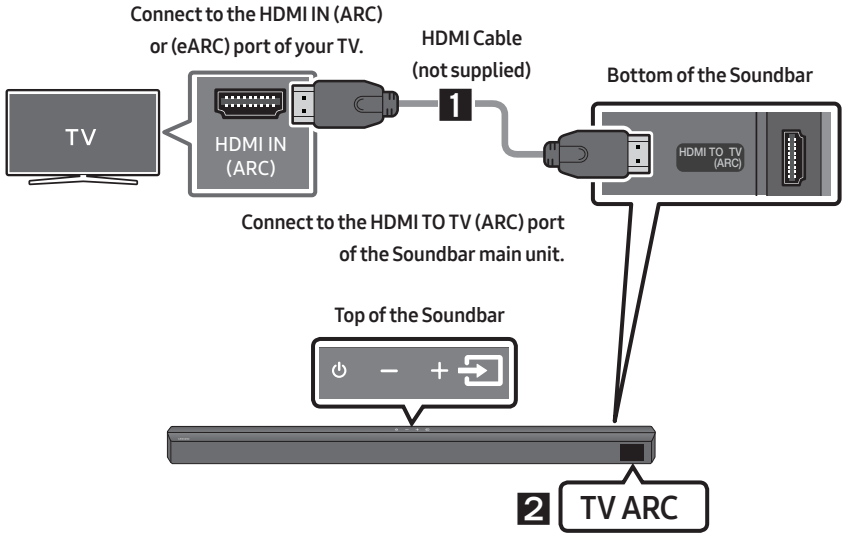
Hear TV sound from your Soundbar through wired or wireless connections.

- 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 a TV using an HDMI Cable

⚠ CAUTION

- When both the HDMI cable and optical cable are connected, the HDMI signal is received first.
- To connect the HDMI cable between the TV and Soundbar, be sure to connect the terminals marked ARC. Otherwise, the TV sound may not be output.
- The recommended cable is **High Speed HDMI Cable with Ethernet**.



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 top of the Soundbar to switch to "**TV ARC**" mode. The screen display "**TV ARC**", 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.

NOTES

- HDMI is an interface that enables the digital transmission of video and audio data with just a single connector.
- If the TV provides an ARC port, connect the HDMI cable to the HDMI IN (ARC) port.
- We recommend you use a coreless HDMI cable if possible. If you use a cored HDMI cable, use one with a diameter that is less than 14 mm.
- This function is not available if the HDMI cable does not support ARC.
- 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 use different words for Dolby Digital and PCM depending on the TV manufacturer.)

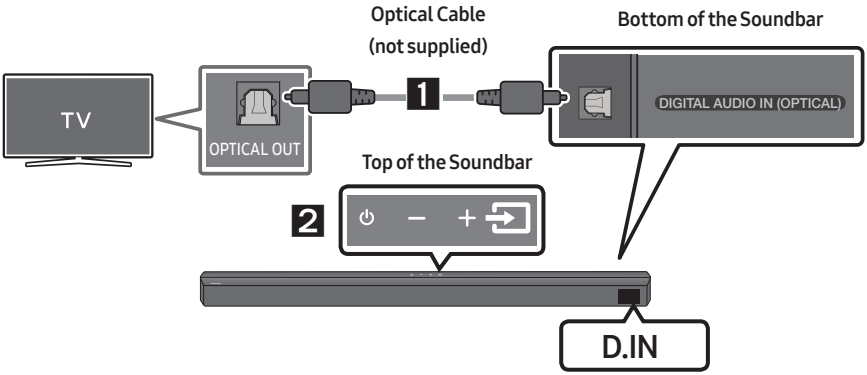
Method 2. Connecting using an Optical Cable

Pre-connection Checklist

- When both the HDMI cable and optical cable are connected, the HDMI signal is received first.
- When you use an optical cable and the terminals have covers, be sure to remove the covers.



- When using an optical cable, it must be set to "**D.IN**" mode.



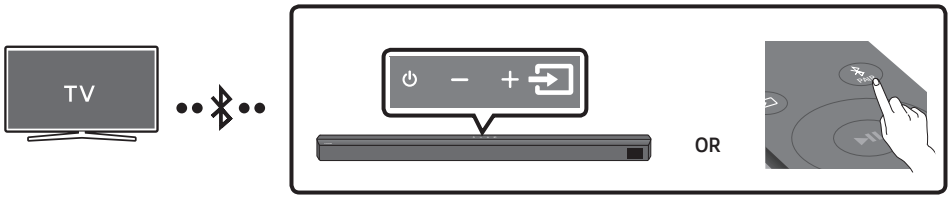
1. Connect the **DIGITAL AUDIO IN (OPTICAL)** port on the Soundbar to the OPTICAL OUT port of the TV with a digital optical cable (not supplied).
2. Press the **(Source)** button on the top panel or remote control, and then select the "**D.IN**" mode.

06 USING A WIRELESS CONNECTION TO THE TV

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 top panel and then select "**BT**".
"**BT**" changes to "**BT PAIRING**" in a few seconds automatically or changes to "**BT READY**" if there is a connect record.

b. When "**BT READY**" appears, press and hold the **(Source)** button on the top 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 "**B-Series Soundbar**" from the list on TV's screen.
An available Soundbar is indicated with "**Needs 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. "**B-Series Soundbar**") appears in the list, delete it.
- Then repeat steps 1 through 3.

NOTE

- After you have connected the Soundbar to your TV the first time, use the "**BT READY**" mode to reconnect.

Disconnecting the Soundbar from the TV

Press the **(Source)** button on the top 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 **Left** 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 top of the Soundbar for more than 5 seconds while the Soundbar is in "**BT**" mode and in "**BT READY**" state.)

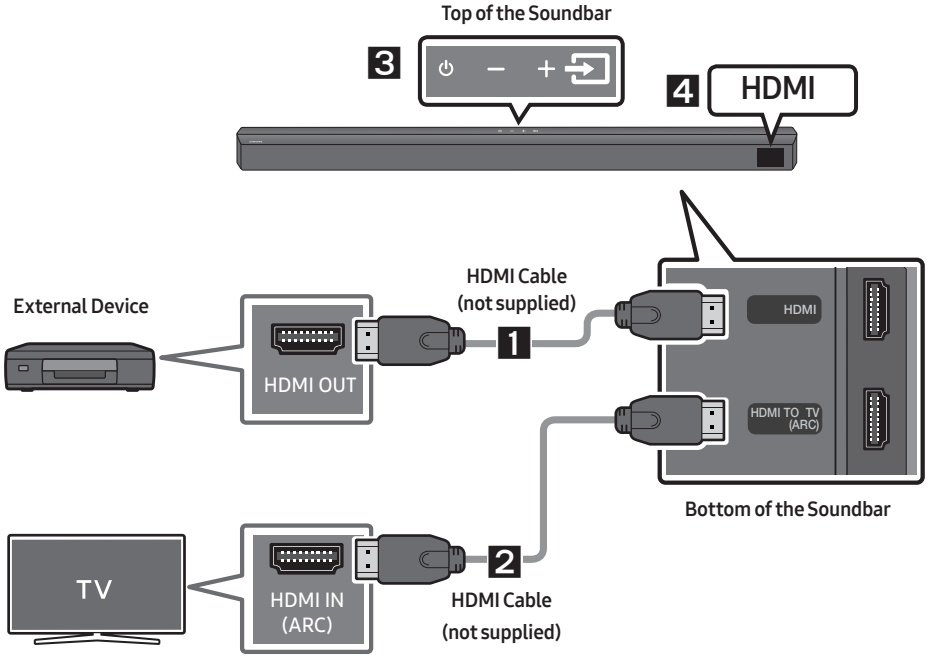
NOTES

- 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 18 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.

07 CONNECTING AN EXTERNAL DEVICE

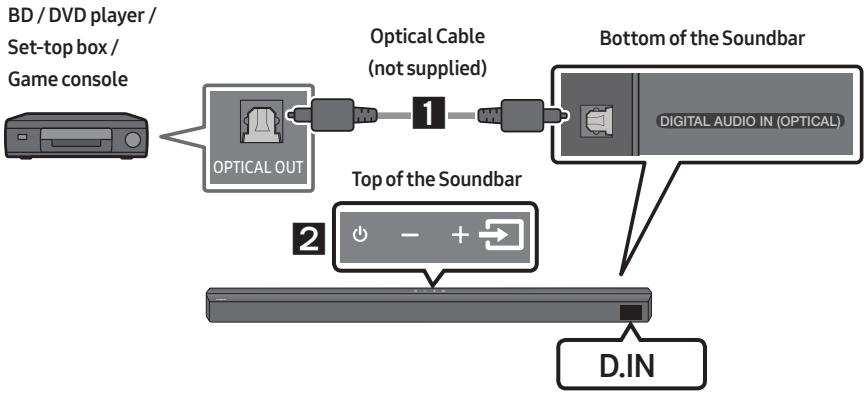
Connect to an external device via a wired connection or Bluetooth connection to play the external device's sound through the Soundbar.

Method 1. Connecting using an HDMI Cable



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

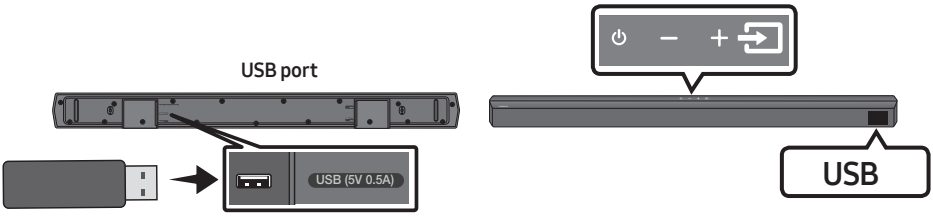
Method 2. Connecting using an Optical Cable



1. Connect **DIGITAL AUDIO IN (OPTICAL)** on the main unit to the OPTICAL OUT port of the Source Device using a digital optical cable (not supplied).
2. Select "**D.IN**" mode by pressing the **(Source)** button on the top panel or on the remote control.

08 CONNECTING A USB STORAGE DEVICE

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



1. Connect the USB device to the USB port on the bottom of the product.
2. Press the **(Source)** button on the top panel or on the remote control, and then select "**USB**".
3. "**USB**" appears in the display screen.
4. Play music files from the USB storage device through the Soundbar.
   - The Soundbar automatically turns off (Auto Power Down) if no USB device has been connected for more than 18 minutes.

File Format Type Compatibility list

Extension	Codec	Sampling Rate	Bit Rate
***.mp3**	MPEG1 Layer2	32kHz ~ 48kHz	32kbps ~ 320kbps
	MPEG1 Layer3	32kHz ~ 48kHz	32kbps ~ 320kbps
	MPEG2 Layer3	16kHz ~ 24kHz	8kbps ~ 160kbps
	MPEG2.5 Layer3	8kHz ~ 12kHz	8kbps ~ 160kbps
***.ogg**	Vorbis	32kHz ~ 48kHz	45kbps ~ 500kbps
***.aac** ***.m4a** ***.mp4** **(Audio Only)**	AAC-LC (MPEG2,/MPEG4)	32kHz ~ 48kHz	32kbps ~ 320kbps
***.wav**	LPCM	32kHz ~ 192kHz	1,024kbps ~ 9,216kbps
***.flac**	FLAC	32kHz ~ 192kHz	162kbps ~ 8,100kbps
***.aiff**	AIFF	32kHz ~ 192kHz	1,024kbps ~ 9,216kbps

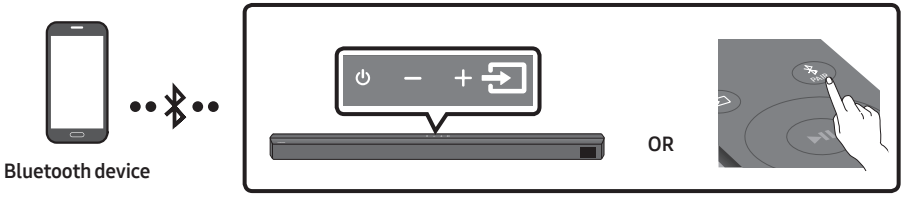
- If there are too many folders (about 200) and files (about 2000) stored on the USB device, it may take the Soundbar some time to access and play files.
- Supported USB file system : FAT16, FAT32, NTFS

09 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.

- The connection is limited to one TV or two Bluetooth devices at the same 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 top panel and then select "**BT**".
"**BT**" changes to "**BT PAIRING**" in a few seconds automatically or changes to "**BT READY**" if there is a connect record.

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

2. On your device, select "**[AV] B-Series Soundbar**" 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] B-Series Soundbar**") appears in the list, delete it.
- Then repeat steps 1 and 2.

NOTE

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

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 top of the Soundbar for more than 5 seconds while the Soundbar is in "**BT**" mode and in "**BT READY**" state.)

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 m.
- The Soundbar automatically turns off after 18 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.
- The Soundbar supports SBC data (44.1kHz, 48kHz).
- Connect only to a Bluetooth device that supports the A2DP (AV) function.
- Once you have paired the Soundbar to a Bluetooth device, selecting "**[AV] B-Series Soundbar**" from the device's scanned devices list will automatically change the Soundbar to "**BT**" mode.
  - Available only if the Soundbar is listed among the Bluetooth device's paired devices. (The Bluetooth device and the Soundbar must have been previously paired at least once.)
- The Soundbar will appear in the Bluetooth device's searched devices list only when the Soundbar is displaying "**BT PAIRING**".

Bluetooth Power On (SOUND MODE)

If a previously paired Bluetooth device tries to pair with the Soundbar when the Bluetooth Power On function is on and the Soundbar is turned off, the Soundbar turns on automatically.

1. Press and hold the **SOUND MODE** button for more than 5 seconds on the remote while the Soundbar is turned on.
2. "**ON-BLUETOOTH POWER**" appears on the Soundbar's display.

Disconnecting the Bluetooth device from a Soundbar

You can disconnect a Bluetooth device from the Soundbar. For instructions, see the Bluetooth device's user manual.

- The Soundbar will be disconnected.
- When the Soundbar is disconnected from the Bluetooth device, the Soundbar will display "**BT DISCONNECTED**" on the front display.

Disconnecting the Soundbar from the Bluetooth device

Press the **(Source)** button on the top panel or on the remote control, and then change to any mode except "**BT**".

- Disconnecting takes time because the Bluetooth device must receive a response from the Soundbar. (Disconnection time may differ, depending on the Bluetooth device)
- When the Soundbar is disconnected from the Bluetooth device, the Soundbar will display "**BT DISCONNECTED**" on the front display.

NOTES

- In Bluetooth connection mode, the Bluetooth connection will be lost if the distance between the Soundbar and the Bluetooth device exceeds 10 m.
- The Soundbar automatically turns off after 18 minutes in the Ready state.

More About Bluetooth

Bluetooth is a technology that enables Bluetooth-compliant devices to interconnect easily with each other using a short wireless connection.

- A Bluetooth device may cause noise or malfunction, depending on usage, if:
  - A part of your body is in contact with the receiving/transmitting system of the Bluetooth device or the Soundbar.
  - It is subject to electrical variation from obstacles caused by a wall, corner, or office partition.
  - It is exposed to electrical interference from same frequency-band devices including medical equipment, microwave ovens, and wireless LANs.
- Pair the Soundbar with the Bluetooth device while they are close together.
- The further the distance between the Soundbar and Bluetooth device, the worse the quality is. If the distance exceeds the Bluetooth operational range, the connection is lost.
- In poor reception areas, the Bluetooth connection may not work properly.
- The Bluetooth connection only works when it is close to the unit. The connection will be automatically cut off if the Bluetooth device is out of range. Even within range, the sound quality may be degraded by obstacles such as walls or doors.
- This wireless device may cause electric interference during its operation.

Bluetooth Multi connection

The Soundbar can be connected to 2 Bluetooth devices at the same time.



Bluetooth device A Bluetooth device B

1. Connect the Soundbar to up to two Bluetooth devices. (See page 27)
2. Play music from one of the connected Bluetooth devices while two devices are connected.
3. If music is played from the Bluetooth device "B" while playing from the device "A", the music is started playing on the device "B" and automatically being stopped/paused playback on the device "A".
4. In versions prior to AVRCP V1.4, the switching time of the device playing music may be delayed.

Bluetooth Multi Pairing

How to pair multiple devices to the Soundbar

1. Turn on the Soundbar.
2. Only in "**BT**" mode, press and hold the **(Source)** button on the top of the Soundbar for more than 5 seconds for the Soundbar to go into "**BT PAIRING**" mode, then on the Bluetooth device side, switch Bluetooth on, and select the Soundbar from the list of available devices, the Soundbar will automatically connect to the Bluetooth device.
3. A 2nd Bluetooth device can be paired and connected to the Soundbar using the same method. If you attempt to connect a 3rd device, a connected device that is not playing audio will lose its Bluetooth connection, but will still be paired with the Soundbar.
4. Using the same method, you can pair up to 8 Bluetooth devices, but only the last 2 will stay connected to the Soundbar at the same time.

NOTES

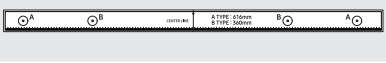
- Only 1 Samsung TV, or 2 Bluetooth devices can be connected to the Soundbar at one time.
- The Soundbar will be disconnected from Bluetooth devices when it receives a connection request from a Samsung TV.
- The default of Soundbar is "**ON-BT MULTI CONNECTION**", but for restoration to non-multi connection mode from another mode, press and hold the **PAIR** button on the remote control for more than 5 seconds in standby mode, until "**OFF-BT MULTI CONNECTION**" appears in the display.

10 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 from the power source before you install it. Otherwise, it may cause an electric shock.

Wallmount Components



Wall Mount Guide



x 2



x 2
(M4 x L10)

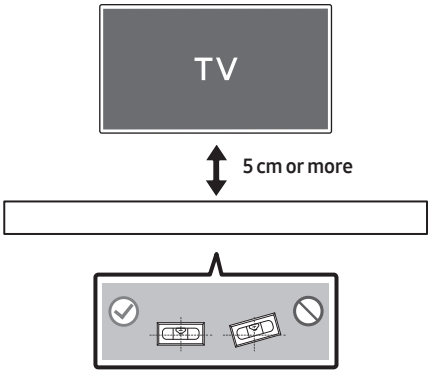
Holder-Screw **Screw**



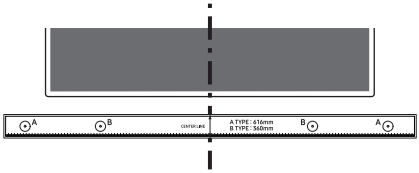
x 2

Bracket-Wall Mount

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.

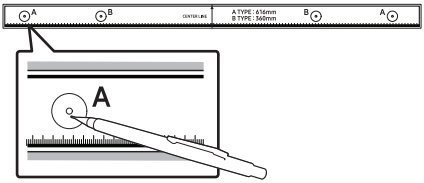


2. Align the **Wall Mount Guide's Centre Line** with the centre of your TV (if you are mounting the Soundbar below your TV), and then fix the **Wall Mount Guide** to the wall using tape.
   - If you are not mounting below a TV, place the **Centre Line** in the centre of the installation area.



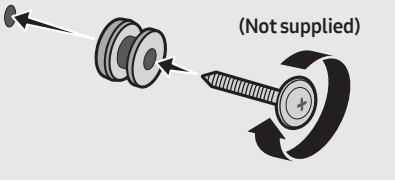
Centre Line

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

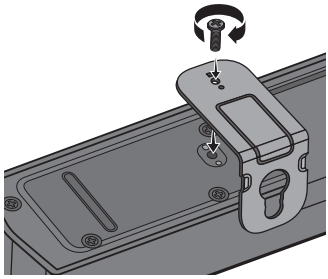


4. Using an appropriately sized drill bit, drill a hole in the wall at each marking.
   - If the markings do not correspond to the positions of studs, make sure you insert appropriate anchors into the holes before you insert the support screws. If you use anchors, make sure the holes you drill are large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

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

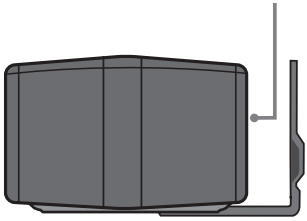


6. Install the 2 **Bracket-Wall Mounts** in the correct orientation on the bottom of the Soundbar using 2 **Screws**.



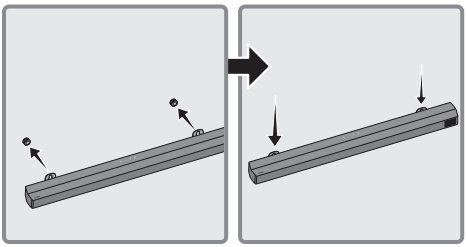
   - When assembling, make sure the hanger part of the **Bracket-Wall Mounts** are located behind the rear of the Soundbar.

Rear of Soundbar

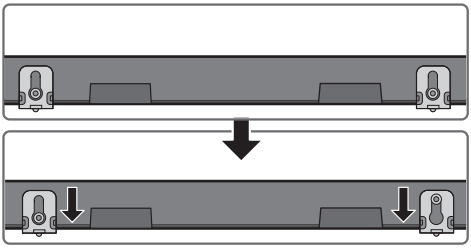


Right end of Soundbar

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

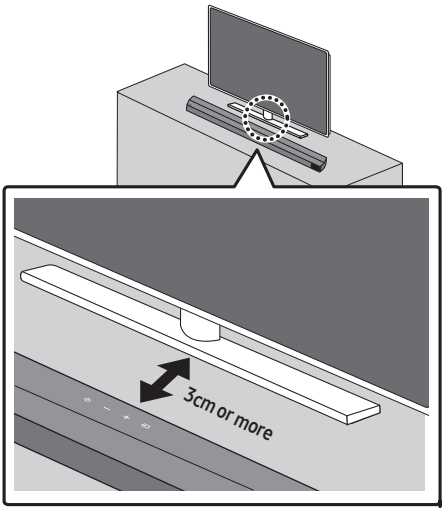


8. Slide the Soundbar down as shown below so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.
   - Insert the **Holder-Screws** into the wide (bottom) part of the **Bracket-Wall Mounts**, and then slide the **Bracket-Wall Mounts** down so that the **Bracket-Wall Mounts** rest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



11 PLACING THE SOUNDBAR ON A TV STAND

Place the Soundbar on a TV stand.



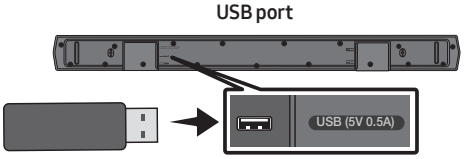
As illustrated in the image, align the centre of the Soundbar with the centre of the TV, carefully place the Soundbar onto the TV stand.
For optimal sound quality, position the Soundbar at least 3 cm away from the TV front.

NOTE

- Make sure the Soundbar is placed on a flat and solid surface.

12 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 website at www.samsung.com → Support. Then, select the product type or enter the model number of your Soundbar, select the Software & Apps option, and then Downloads. Note that the option names can vary.

How to check the Firmware version

1. Turn off the Soundbar.
2. Press and hold the (**Sound Control**) button for about 5 seconds on the remote control.
3. Each version appears in the following order on the Soundbar display.
   (Software version → **HDMI** → **Tx** → **Rx**)
   - **Tx** : Wireless Tx module in the Soundbar.
   - **Rx** : Wireless Rx module in the Subwoofer.
   - **R2 VERSION DISPLAY**
     - No connect rear R2---
     - Connected rear R2xxx

Update Procedure

Important: The update function erases all user settings. We recommend you write down your settings so that you can easily reset them after the update. Note that updating the firmware resets the subwoofer connection too.

1. Connect a USB thumb drive to the USB port on your computer.
   Important: Make sure there are no music files on the USB thumb drive. This may cause the firmware update to fail.
2. Go to (www.samsung.com) → select Enter Model Number and enter the model of your Soundbar. Select manuals and downloads and download the latest software file.
3. Save the downloaded software to a USB stick and select "Extract Here" to unzip the folder.
4. Turn off the Soundbar and connect the USB stick containing the software update to the USB port.
5. Turn on the Soundbar and change the source to "**USB**" mode. Within 3 minutes, "**UPGR**" is displayed and the update begins. When the update is complete, the Soundbar turns off and then turns on automatically.
6. Press the **— +(Volume)** button on the top panel for 5 seconds. "**INIT**" → "**OK**" appears on the display and then the Soundbar turns off. The update is complete.
   - This product has a DUAL BOOT function. If the firmware fails to update, you can update the firmware again.
7. Restore your settings on the Soundbar.

If UPDATE is not displayed

1. Turn off the Soundbar, disconnect and then reconnect the USB storage device that contains the update files to the Soundbar's USB port.
2. Disconnect the Soundbar's power cord, reconnect it, and then turn on the Soundbar.

NOTES

- The firmware update may not work properly if audio files supported by the Soundbar are stored in the USB storage device.
- Do not disconnect the power or remove the USB device while updates are being applied. The main unit will turn off automatically after completing the firmware update.
- After the update is completed, the user setup in the Soundbar maybe will be initialized. So we recommend you write down your settings so that you can easily reset them after the update. Note that updating firmware resets the subwoofer connection too.
  If the connection to the subwoofer is not re-established automatically after the update, refer to page 16.
  If the software update fails, check if the USB stick is defective.
- Mac OS users should use MS-DOS (FAT) as the USB format.
- Updating via USB may not be available, depending on the USB storage device manufacturer.

13 TROUBLESHOOTING

Before seeking assistance, check the following.

Soundbar does not turn on.

- → Check whether the power cord of the Soundbar is correctly inserted into the outlet.

Soundbar works erratically.

- → After removing the power cord, insert it again.
- → Power the external device off/on and try again.
- → If there is no signal, the Soundbar automatically turns off after a certain period of time. Turn on the power. (See page 7.)

If the remote control does not work.

- → Point the remote directly at the Soundbar.
- → Replace the batteries with new ones.

Soundbar does not output any sound.

- → The volume of the Soundbar is too low or muted. Adjust the volume.
- → When any external device (STB, Bluetooth device, mobile device, etc.) is connected, adjust the volume of the external device.
- → For sound output of the TV, select Soundbar. (Samsung TV: Home ( ) → Menu → Settings ( ) → All Settings ( ) → Sound → Sound Output → Select Soundbar)
- → The cable connection to the Soundbar may be loose. Remove the cable and connect again.
- → Remove the power cord completely, reconnect, and turn the power on.
- → Reset the product and try again. (See page 34.)

Subwoofer does not output any sound.

- → Check whether the LED indicator on the rear of the Subwoofer is on in blue. Reconnect the Soundbar and Subwoofer if the indicator is blinking in blue or turned red. (See page 17.)
- → You may experience an issue if there is an obstacle between the Soundbar and Subwoofer. Move devices to an area away from obstacles.
- → Other devices sending radio frequency signals in proximity may interrupt the connection. Keep your speaker away from such devices.
- → Remove and reconnect the power plug.

The Subwoofer volume is too low.

- → The original volume of the content you are playing may be low. Try adjusting the Subwoofer level. (See page 12.)
- → Bring the Subwoofer speaker closer to you.

Soundbar does not appear on the Bluetooth device list of the TV.

- → Disconnect the power cord of the Soundbar completely and reconnect, and then try searching again. (See page 22.)
- → Connect the TV and Soundbar with an optical cable, and select the "**D.IN**" mode by pressing the **(Source)** button on the top of the Soundbar. See if the audio output works normally, and try searching again. (See page 22.)

If the TV is not connected via HDMI TO TV (ARC).

- ➞ Check whether the HDMI cable is correctly connected to the ARC terminal.
  (See page 19.)
- ➞ Connection may not be possible due to the connected external device (set-top box, game machine, etc.). Directly connect the Soundbar.
- ➞ HDMI-CEC may not be activated on the TV. Turn on the CEC on the TV menu. (Samsung TV: Home ( ) → Menu → Settings ( ) → All Settings ( ) → Connection → External Device Manager → Anynet+ (HDMI-CEC) ON)

There is no sound in when connecting to the TV in HDMI TO TV (ARC) mode.

- ➞ Your device is unable to play the input signal. Change the TV's audio output to PCM or AUTO.
  (For a Samsung TV: Home ( ) → Menu → Settings ( ) → All Settings ( ) → Sound → Expert Settings → Digital Output Audio Format)

Soundbar does not connect via Bluetooth.

- ➞ When connecting a new device, switch to "**BT PAIRING**" for connection. (Press the **PAIR** button on the remote control or press the **(Source)** button on the top of the soundbar for at least 5 seconds.)
- ➞ If the Soundbar is connected to another device, disconnect that device first to switch the device.
- ➞ Reconnect it after removing the Bluetooth speaker list on the device to connect. (Samsung TV: Home ( ) → Menu → Settings ( ) → All Settings ( ) → Sound → Sound Output → Bluetooth Speaker List)
- ➞ The automatic TV connection may be disabled. While the Soundbar is in "**BT READY**", press and hold the **Left** button on the Soundbar remote control for 5 seconds to select **ON-TV CONNECT**. If you see **OFF-TV CONNECT**, press and hold **Left** button again for 5 seconds to switch the selection.
- ➞ Remove and reconnect the power plug, then try again.
- ➞ Reset the product and try again.
  (See page 34.)

Sound drops out when connected via Bluetooth.

- ➞ If your device that is connected via Bluetooth moves too far away from the Soundbar, it may cause the sound to drop out. Move the device closer to the Soundbar.
- ➞ If a part of your body is in contact with the Bluetooth transceiver or the product is installed on metal furniture, sound may drop out. Check the installation environment and conditions for use.

Bluetooth multi connection does not work.

- ➞ When the TV is connected to the soundbar, Bluetooth multi connection may not operate. Disconnect the Soundbar from the TV and try again.
- ➞ Check whether the Bluetooth Multi connection setting is turned on. (Refer to the "**Soundbar does not connect via Bluetooth**." section.)
- ➞ Disconnect the device currently playing, pair with the device that you want to connect, and reconnect the previous device.
- ➞ If the sound is inaudible even after connecting properly, refer to the "**Sound drops out when connected via Bluetooth**." section.

Soundbar does not turn on automatically with the TV.

- ➞ When you turn off the Soundbar while watching TV, power synchronization with the TV is disabled. First turn off the TV.

14 LICENCE

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[ENERGY STAR]

ENERGY STAR qualified model only

- Your Samsung product is ENERGY STAR qualified in its factory default setting. Change to certain features, settings and functionality in this product can change the power consumption, possibly beyond the limits required for ENERGY STAR qualification.
- Environmental Protection Agency and Department of Energy. ENERGY STAR is a joint program of the Government agencies, designed to promote energy efficient products and practices.

Refer to www.energystar.gov for more information of the ENERGY STAR Program.

ENERGY STAR qualified model only (The other models)

- As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guideline for energy efficiency.

15 OPEN SOURCE LICENCE NOTICE

Open Source used in this product can be found on the following webpage (http://opensource.samsung.com).

16 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.

17 SPECIFICATIONS AND GUIDE

Specifications

Model Name	HW-B650D
USB	5V/0.5A
Weight	2.0 kg
Dimensions (W x H x D)	860.0 x 59.4 x 75.0 mm
Operating Temperature Range	+10 °C to +40 °C
Operating Humidity Range	10 % to 80 %, non-condensing
Storage Temperature Range	-20 °C to +45 °C
Storage Humidity Range	5 % to 95 %, non-condensing
AMPLIFIER Rated Output power	40Wx3, 6 ohm
Supported play formats	LPCM 2ch, Dolby Audio™ (supporting Dolby® Digital), DTS, DTS Virtual:X

Subwoofer Name	PS-WD75B
Weight	5.0 kg
Dimensions (W x H x D)	184.0 x 343.0 x 295.0 mm
AMPLIFIER Rated Output power	250W

Overall Standby Power Consumption (W)	2.0W
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 declares that this radio equipment is in compliance with Directive 2014/53/EU and the relevant UK statutory requirements. The full text of the declaration of conformity is available at the following internet address: http://www.samsung.com go to Support and enter the model name. This equipment may be operated in all EU countries and in the UK.

- **WIRELESS DEVICE OUTPUT POWER**
  RF max transmitter power
  100mW at 2.4GHz – 2.4835GHz
  25mW at 5.725GHz – 5.825GHz



[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:
www.samsung.com/uk/aboutsamsung/sustainability/environment/our-commitment/data/

COMMISSION REGULATION (EU) 2019/1782
Ecodesign requirements for external power supplies :
www.samsung.com/global/ecodesign_component



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 : 0333 000 0333
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. Repaired or replaced products may include new and or refurbished components and equipment.
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 manufactured. 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 disc based media, removable memory or any other related equipment or material.
8. Samsung shall honour warranties for all EU specification products purchased by a consumer within the following European countries listed.
   – UK, Republic of Ireland, Germany, France, Italy, Malta, Spain, Portugal, The Netherlands, Belgium, Luxembourg, Denmark, Sweden, Finland, Poland, Hungary, Czech Republic, Slovakia, Austria, Slovenia, Croatia, Estonia, Latvia, Lithuania, Greece, Cyprus, Romania, Bulgaria, Switzerland, Norway, Lichtenstein and Iceland.

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SAMSUNG

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Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care Centre.

Country/ Region	Samsung Service Centre ☎	Web Site
UK	0333 000 0333	www.samsung.com/uk/support
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
SPAIN	91 175 00 15	www.samsung.com/es/support
PORTUGAL	210 608 098 Chamada para a rede fixa nacional Dias úteis das 9h às 20h	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	21 62 90 99	www.samsung.com/no/support
DENMARK	70 70 19 70	www.samsung.com/dk/support
FINLAND	030-622 75 15	www.samsung.com/fi/support
SWEDEN	0771-400 300	www.samsung.com/se/support
AUSTRIA	0800 72 67 864 (0800-SAMSUNG)	www.samsung.com/at/support
SWITZERLAND	0800 726 786	www.samsung.com/ch/support (German) www.samsung.com/ch_fr/support (French)
HUNGARY	0680SAMSUNG (0680-726-7864)	www.samsung.com/hu/support
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/ba/support

Country/ Region	Samsung Service Centre ☎	Web Site
NORTH MACEDONIA	023 207 777	www.samsung.com/mk/support
MONTENEGRO	020 405 888	www.samsung.com/support
SLOVENIA	080 697 267 (brezplačna številka)	www.samsung.com/si/support
SERBIA	011 321 6899	www.samsung.com/rs/support
KOSOVO	038 40 30 90	www.samsung.com/support
ALBANIA	045 620 202	www.samsung.com/al/support
BULGARIA	0800 111 31 - Безплатен за всички оператори *3000 - Цена на един градски разговор или според тарифата на мобилният оператор 09:00 до 18:00 - Понеделник до Петък	www.samsung.com/bg/support
ROMANIA	0800872678 - Apel gratuit *8000 - Apel tarifat în rețea Program Call Center Luni - Vineri: 9 AM - 6 PM	www.samsung.com/ro/support
ITALIA	800-SAMSUNG (800.7267864)	www.samsung.com/it/support
CYPRUS	8009 4000 only from landline, toll free	www.samsung.com/gr/support
GREECE	80111-SAMSUNG (80111 726 7864) from mobile and land line (+30) 210 6897691 from mobile and land line	
POLAND	801-172-678* * (opłata według taryfy operatora)	www.samsung.com/pl/support/
LITHUANIA	8-800-77777	www.samsung.com/lt/support
LATVIA	8000-7267	www.samsung.com/lv/support
ESTONIA	800-7267	www.samsung.com/ee/support