

# SAMSUNG

# FULL MANUAL

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## HW-S50B

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# 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.

	<p style="text-align: center;"><b>CAUTION</b> <b>RISK OF ELECTRIC SHOCK.</b> <b>DO NOT OPEN.</b></p>	
	<p>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.</p>	
	<p>This symbol indicates that this product has included important literature concerning operation and maintenance.</p>	
	<p>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 <b>MUST</b> have a reliable connection to protective earth (ground).</p>	
	<p>AC voltage : This symbol indicates that the rated voltage marked with the symbol is AC voltage.</p>	
	<p>DC voltage : This symbol indicates that the rated voltage marked with the symbol is DC voltage.</p>	
	<p>Caution, Consult instructions for use : This symbol instructs the user to consult the user manual for further safety related information.</p>	

## 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.

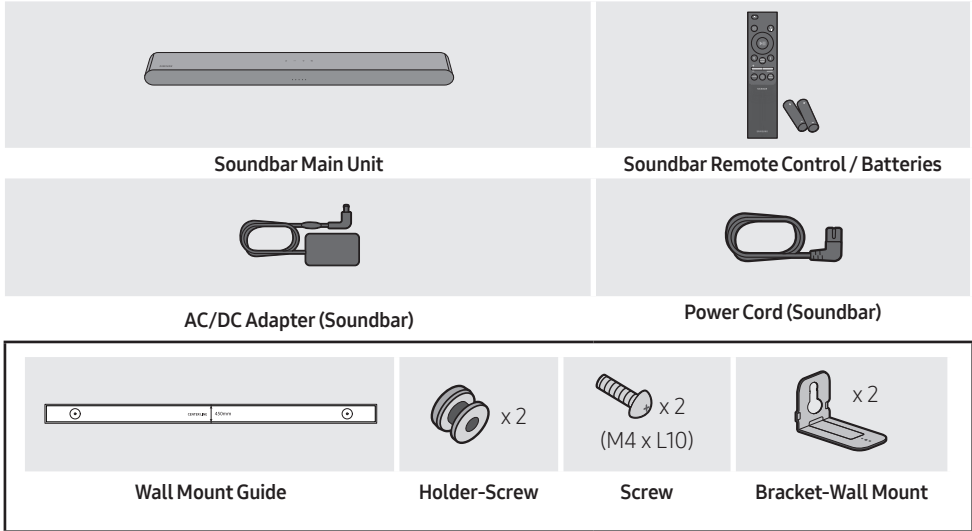
2. During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the unit.
  3. Do not expose the unit to direct sunlight or other heat sources. This could lead to overheating and cause the unit to malfunction.
  4. Protect the product from moisture (i.e. 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.
- CAUTION :** Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

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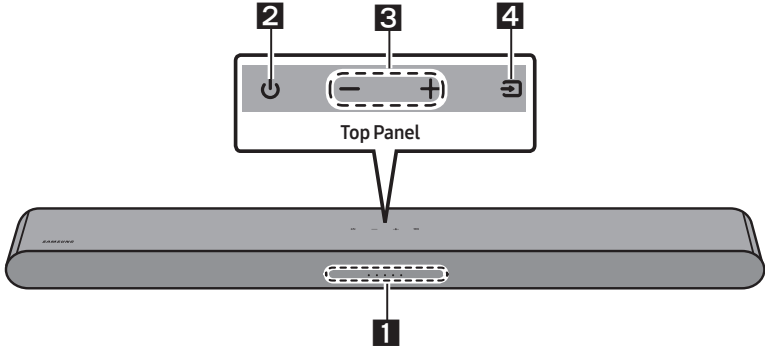
# 01 CHECKING THE COMPONENTS

















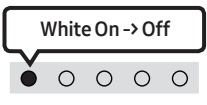
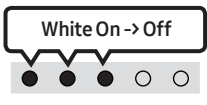
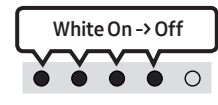

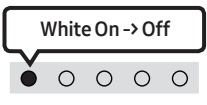
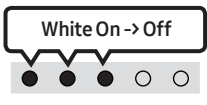
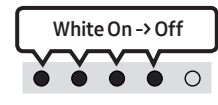

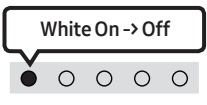
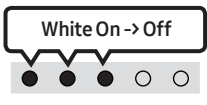
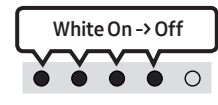



- For more information about the power supply and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)
- To purchase additional components or optional cables, contact a Samsung Service Centre or Samsung Customer Care.
- For more information about the wallmount see page 32.
- Design, specifications are subject to change without prior notice.
- The appearance of the accessories may differ slightly from the illustrations above.

# 02 PRODUCT OVERVIEW

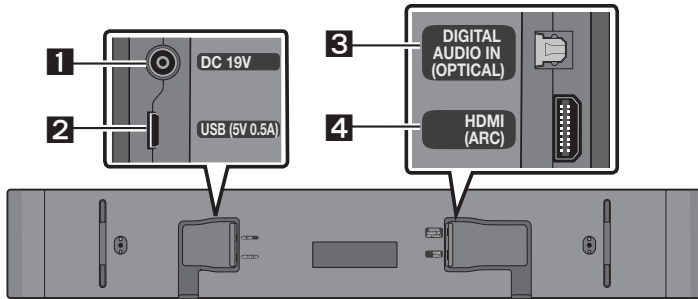
## Front Panel / Top Panel of the Soundbar



<p><b>1</b></p>	<p>LED indicator</p>	<p>The LED Indicator flashes, glows, or changes colour depending on the Soundbar's current mode or status. The colour of the LED indicator and the number of lights indicate the active mode as described below.</p> <table border="1" data-bbox="266 754 1028 836"> <tr> <td style="text-align: center;">                       White LED                 </td> <td style="text-align: center;">                       White LED                 </td> <td style="text-align: center;">                       Multicolour LED                 </td> <td style="text-align: center;">                       White LED                 </td> <td style="text-align: center;">                       White LED                 </td> </tr> </table> <ul style="list-style-type: none"> <li>The Multicolour LED changes to <b>White, Cyan, Green, Red, Yellow, Orange, Purple</b> and <b>Blue</b> depending on the mode or status.</li> </ul>	 White LED	 White LED	 Multicolour LED	 White LED	 White LED			
 White LED	 White LED	 Multicolour LED	 White LED	 White LED						
<p><b>2</b></p>	<p>Power</p>	<p>Turns the power on and off.</p>								
<p><b>3</b></p>	<p>Volume</p>	<p>Adjusts the volume.</p>								
<p><b>4</b></p>	<p>Source</p>	<ul style="list-style-type: none"> <li>Press the  (<b>Source</b>) button to change the mode. Each time you change the mode, the LED lights in white and then turns off.</li> </ul> <table border="1" data-bbox="266 1107 1044 1291"> <tr> <td style="text-align: center;">LED Indicator</td> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">                     "Digital Audio In" or                      "TV ARC"                 </td> <td style="text-align: center;">                     "Bluetooth"                 </td> <td style="text-align: center;">                     "USB"                 </td> </tr> </table>	LED Indicator					"Digital Audio In" or "TV ARC"	"Bluetooth"	"USB"
LED Indicator										
	"Digital Audio In" or "TV ARC"	"Bluetooth"	"USB"							

- 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 hear sounds from both the TV and Soundbar, go to the **Settings** menu for the TV audio and change the TV speaker to **External Speaker**.

## Bottom Panel of the Soundbar



<b>1</b>	<b>DC 19V (Power Supply In)</b> Connect the AC/DC power adapter.
<b>2</b>	<b>USB (5V 0.5A)</b> Connect a USB device here to play music files stored on the USB device through the Soundbar.
<b>3</b>	<b>DIGITAL AUDIO IN (OPTICAL)</b> Connect to the digital (optical) output of an external device.
<b>4</b>	<b>HDMI (ARC)</b> 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.

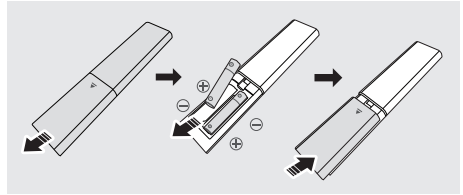


# 03 USING THE REMOTE CONTROL

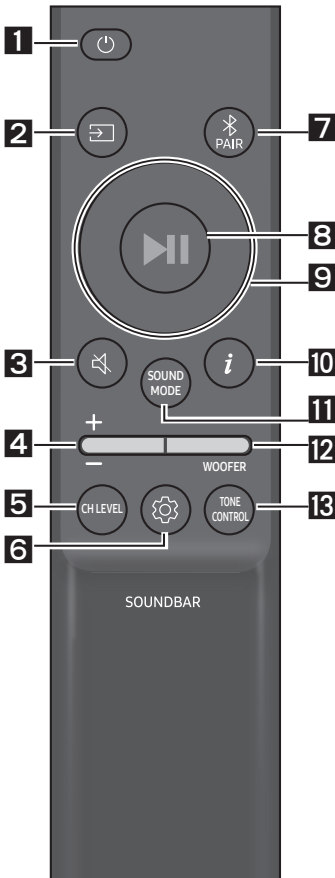
## Inserting Batteries before using the Remote Control (AAA batteries X 2)

Slide the back cover in the direction of the arrow until it is completely removed.

Insert 2 AAA batteries (1.5V) oriented so that their polarity is correct. Slide the back cover back into position.



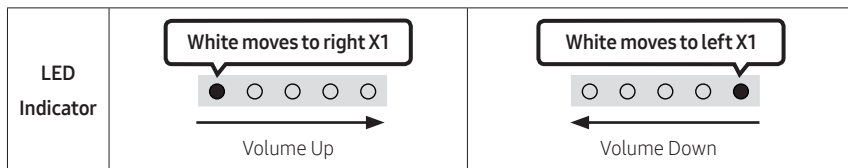
## How to Use the Remote Control



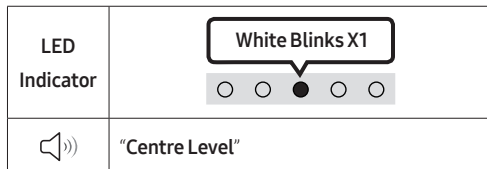
<b>1</b>	<p><b>Power</b> Turns the Soundbar on and off.</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">LED Indicator</td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 2px;">Cyan Blinks X1</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: cyan;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">On</p> </td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 2px;">Red Blinks X3</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: red;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">Off</p> </td> </tr> </table> <ul style="list-style-type: none"> <li><b>Auto Power Down Function</b> The unit turns off automatically in the following situations:                     <ul style="list-style-type: none"> <li>In "Digital Audio In" or "TV ARC" / "Bluetooth" / "USB" mode if there is no audio signal for 20 minutes.</li> </ul> </li> </ul>	LED Indicator	<div style="border: 1px solid black; padding: 2px;">Cyan Blinks X1</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: cyan;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">On</p>	<div style="border: 1px solid black; padding: 2px;">Red Blinks X3</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: red;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">Off</p>
LED Indicator	<div style="border: 1px solid black; padding: 2px;">Cyan Blinks X1</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: cyan;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">On</p>	<div style="border: 1px solid black; padding: 2px;">Red Blinks X3</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span style="background-color: red;">●</span><span>○</span><span>○</span> </div> <p style="text-align: center;">Off</p>		
<b>2</b>	<p><b>(Source)</b> Press to select a source connected to the Soundbar.</p>			
<b>3</b>	<p><b>(Mute)</b> Press the  (Mute) button to mute the sound. Press it again to unmute the sound.</p> <table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">LED Indicator</td> <td style="text-align: center;"> <div style="border: 1px solid black; padding: 2px;">Blinks X Repeatedly</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span>○</span><span>○</span><span style="background-color: red;">●</span> </div> </td> </tr> </table>	LED Indicator	<div style="border: 1px solid black; padding: 2px;">Blinks X Repeatedly</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span>○</span><span>○</span><span style="background-color: red;">●</span> </div>	
LED Indicator	<div style="border: 1px solid black; padding: 2px;">Blinks X Repeatedly</div> <div style="display: flex; justify-content: space-around; width: 100%;"> <span>○</span><span>○</span><span>○</span><span>○</span><span style="background-color: red;">●</span> </div>			

**4****Volume**

Push the button up or down to adjust the volume.

**5****CH LEVEL**

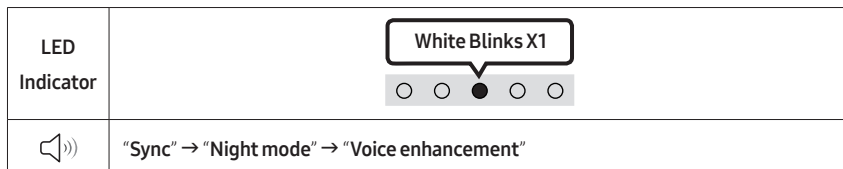
By pressing the button, you can adjust the volume of the each speaker.



- 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 by using the **Up/Down** buttons.


**6****⚙️ (Sound Control)**



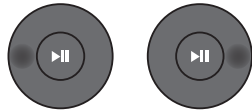


By pressing the button, you can set the audio function. The desired item can be adjusted using the **Up/Down** buttons. Each time the mode changes, the Multicolour LED blinks in white.



- If the video on the TV and audio from the Soundbar are not synchronised, select "Sync" in Sound Control, and then set the audio delay between 0~300 milliseconds by using the **Up/Down** buttons. (Not available in "USB" or "Bluetooth" mode.)
- "Sync" is only supported for some functions.
- "Night mode" and "Voice enhancement" are not supported in "DTS Virtual:X" sound mode.
- "Night mode" is optimised for night time viewing with the settings adjusted to bring the volume down but keep the dialog clear.
- "Voice enhancement" makes it easier to hear spoken dialog in movies and TV.

## 7 Band EQ

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 Band EQ			
 Press and hold the  ( <b>Sound Control</b> ) button for about 5 seconds.		 Using the <b>Left/Right</b> buttons and each can be adjusted to setting between -6 to +6.	
	"150Hz"		"150Hz" → "300Hz" → "600Hz" → "1.2kHz" → "2.5kHz" → "5kHz" → "10kHz"

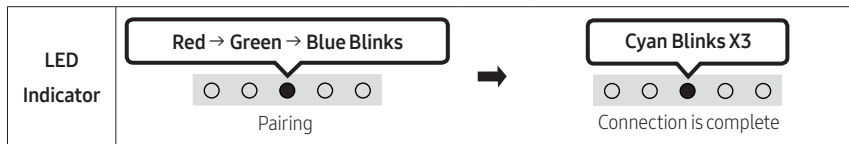
## 7

### Bluetooth PAIR

Switch the Soundbar to Bluetooth pairing mode.

When you press the button, the LED display changes as shown below.

- Until pairing is complete, the Multicolour LED changes as **Red** → **Green** → **Blue** in turn.



## 8

### (Play / Pause)

You can also play or pause music by pressing the button in "USB" mode.

## 9

### 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).

## 10

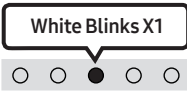

### (Info)

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 audio mode. Each time the mode changes, the Multicolour LED blinks in white. (The sound mode may differ with the TV model.)

LED Indicator	
	<p>“DTS Virtual:X” → “Standard” → “Music” → “Game” → “Adaptive Sound”</p>

- **DTS Virtual:X**  
Immersive 3D sound from any content.
- **Standard**  
Outputs the original sound.
- **Music**  
Provides more natural and room filling sound for music content.
- **Game**  
Provides stereoscopic sound to immerse you in the action while gaming.
- **Adaptive Sound**  
Analyzes the content in real time and automatically provides the optimal sound field based on the characteristics of the content.

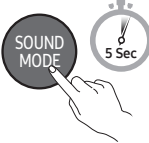
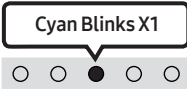
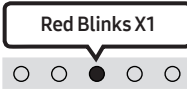
- **Bluetooth Power On/Off**

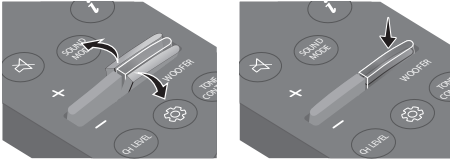
This feature automatically turns the Soundbar on when it receives a connection request from a previously connected TV or Bluetooth device. The setting is On by default.

- Press and hold the **SOUND MODE** button for more than 5 seconds to turn off the Bluetooth Power function.

- **DRC (Dynamic Range Control) On/Off**

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.)



SOUND MODE button	LED Indicator	
	 <p>On (Default)</p>	 <p>Off</p>
<b>DRC On/Off</b>	<b>Toggle On → Off</b>	

**12****WOOFER (BASS) LEVEL**



When subwoofer is connected, push the button up or down to adjust the woofer level to -12 or between -6 to +6. When subwoofer is disconnected, push the button up or down to adjust the bass level between -6 to +6. To set the woofer (bass) volume level to 0 (Default), press the button. (If Soundbar connected to wireless subwoofer (sold separately)).

**13****TONE CONTROL**

By pressing the button, you can adjust the volume of the treble or bass sound. The desired item can be adjusted using the **Up/Down** buttons. (This feature is available in all sound modes except **“Standard”** mode.)

LED Indicator	<div style="border: 1px solid black; padding: 5px; display: inline-block;">White Blinks X1</div> 
	“Treble” → “Bass”

## 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	page 15
Left	TV Auto connect On/Off	page 22
Up	ID SET	page 11
 (Sound Control)	7 Band EQ	page 11
SOUND MODE	DRC On/Off	page 12
	Bluetooth Power On/Off	page 12
 PAIR	Bluetooth Multi connection On/Off	page 29

## Output specifications for the different sound effect modes

Effect	Input	Output		
		With Soundbar only	With Subwoofer Only	With Subwoofer & Wireless Rear Speaker Kit
DTS Virtual:X	2.0 ch	3.0 ch	3.1 ch	5.1 ch
	5.1 ch	3.0 ch	3.1 ch	5.1 ch
Standard	2.0 ch	2.0 ch	2.1 ch	2.1 ch
	5.1 ch	3.0 ch	3.1 ch	5.1 ch
Music	2.0 ch	3.0 ch	3.1 ch	5.1 ch
	5.1 ch	3.0 ch	3.1 ch	5.1 ch
Game	2.0 ch	3.0 ch	3.1 ch	5.1 ch
	5.1 ch	3.0 ch	3.1 ch	5.1 ch
Adaptive Sound	2.0 ch	3.0 ch	3.1 ch	5.1 ch
	5.1 ch	3.0 ch	3.1 ch	5.1 ch

- The Samsung Wireless Rear Speaker Kit, and Subwoofer can be purchased separately. To purchase a Kit or the Subwoofer, 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.

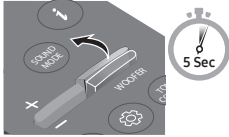

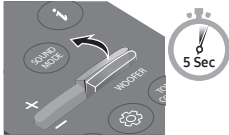

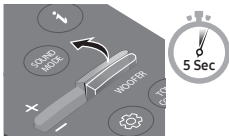

- This function can be used with IR remote controls only. Bluetooth remote controls (remote controls that require pairing) are not supported.
- Set the TV speaker to **External Speaker** to use this function.
- Manufacturers supporting this function:  
Samsung, VIZIO, LG, Sony, Sharp, PHILIPS, PANASONIC,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

## TV remote control On/Off

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**".

The LED indicator status changes each time the mode is changed, as shown below.

Remote Control Button	LED Indicator	Status
	<p><b>Red Blinks X1</b></p>  <p>"Off-TV Remote" (Default mode)</p>	Disable the TV remote control.
	<p><b>Cyan Blinks X1</b></p>  <p>"Samsung-TV Remote"</p>	Enable a Samsung TV's IR remote control.
	<p><b>Blue Blinks X1</b></p>  <p>"All-TV Remote"</p>	Enable a third-party TV's IR remote control.

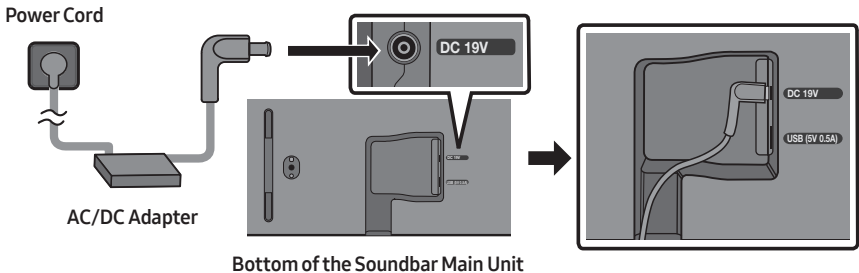
# 04 CONNECTING THE SOUNDBAR

## Connecting Electrical Power

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

- 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)

1. First connect the power cable to the AC/DC adapter.  
Connect the AC/DC adapter (with the power cable) to the Soundbar.
2. Connect the power cord to a wall socket.



### NOTES

- If you unplug and reconnect the power cord when the product is turned on, the Soundbar turns on automatically.
- 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 Samsung Wireless Rear Kit and Subwoofer to your Soundbar

Expand to true wireless surround sound by connecting the Samsung Wireless Rear Speaker Kit (SWA-9100S, sold separately) and Wireless Subwoofer (SWA-W510, sold separately) to your Soundbar. For detailed information on connections, see the Samsung Wireless Rear Speaker Kit and Wireless Subwoofer manual.



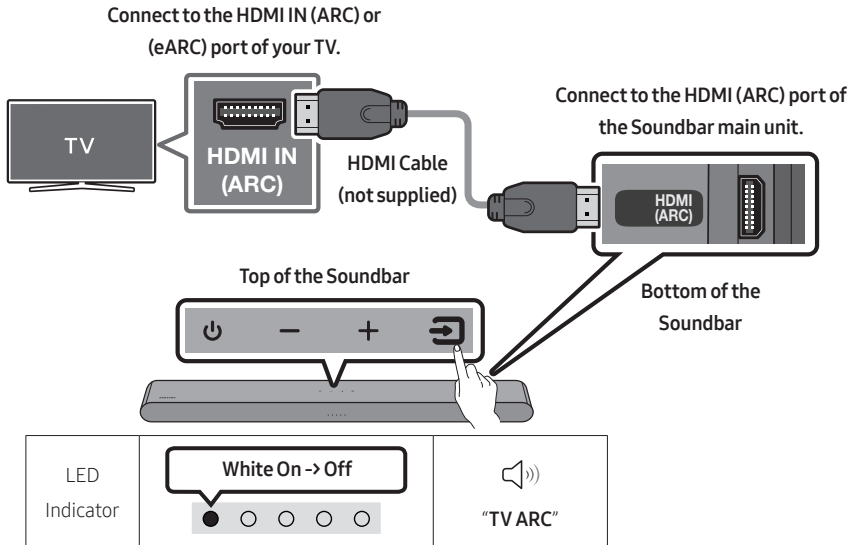
# 05 USING A WIRED CONNECTION TO THE TV

## Method 1. Connecting with HDMI


### ⚠ 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**.

### Connecting the TV that supports HDMI ARC (Audio Return Channel)



1. With the Soundbar and TV turned off, connect the HDMI cable (not supplied) as shown in the figure.
2. Turn on the Soundbar and TV.
3. TV sound is output from the Soundbar.

- When the TV sound is not output, press the top panel of the Soundbar or the  (Source) button on the remote control to select the “Digital Audio In” mode.
- When the sound is not output, check the HDMI Cable (not supplied) connection again.
- Use the volume buttons on the TV’s remote control to change the volume on the Soundbar.

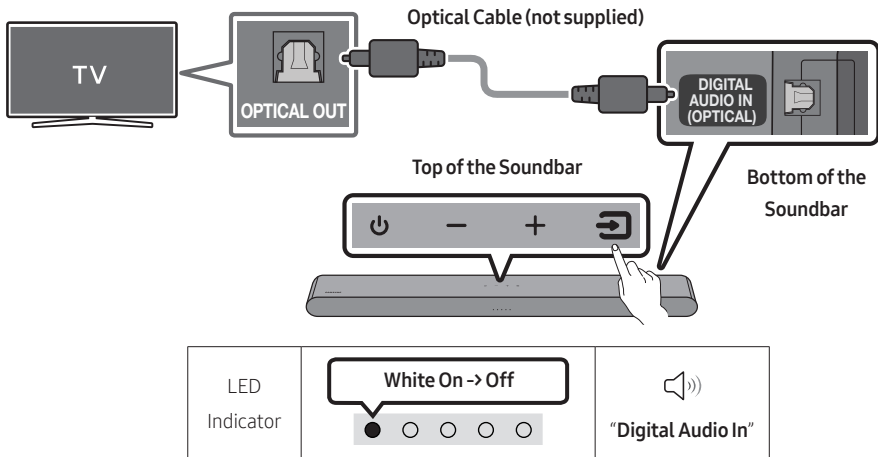
## NOTES


- When you connect the TV that supports the HDMI ARC (Audio Return Channel) to the Soundbar with an HDMI cable, you can transmit the digital video and audio data without connecting a separate optical cable.
- We recommend you use a coreless HDMI cable if possible. If you use a cored HDMI cable, use one whose diameter 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

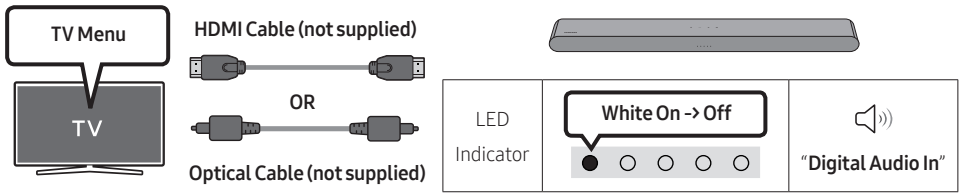
- When both the HDMI cable and optical cable are connected, the HDMI signal is received first.
- When you use an optical cable and the terminals have covers, be sure to remove the covers.



1. With the TV and Soundbar turned off, connect the **DIGITAL AUDIO IN (OPTICAL)** port on the Soundbar and the **OPTICAL** output port on the TV with the optical cable (not supplied), as shown in the figure.
2. Turn on the Soundbar and TV.
3. Press the  (**Source**) button on the top panel or remote control, and then select the **“Digital Audio In”** mode.
4. The TV sound is output from the Soundbar.

## Using the Q-Symphony Function

For Q-Symphony, the Soundbar syncs with a Samsung TV to output sound through two devices for optimum surround effect. When the Soundbar is connected, the menu, “**TV+Soundbar**” appears under the **Sound Output** menu of the TV. Select the corresponding menu.



- TV menu example: **TV + [AV] Soundbar series name (HDMI)**

## NOTES

- It can operate according to the Codec supported by TV.
- This function is supported only when the HDMI Cable (not supplied) or Optical Cable (not supplied) is connected.
- The message displayed may differ with the TV model.
- This function is available in some Samsung TVs and some Soundbar models.

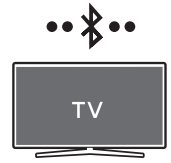
# 06 USING A WIRELESS CONNECTION TO THE TV

## Connecting via Bluetooth

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

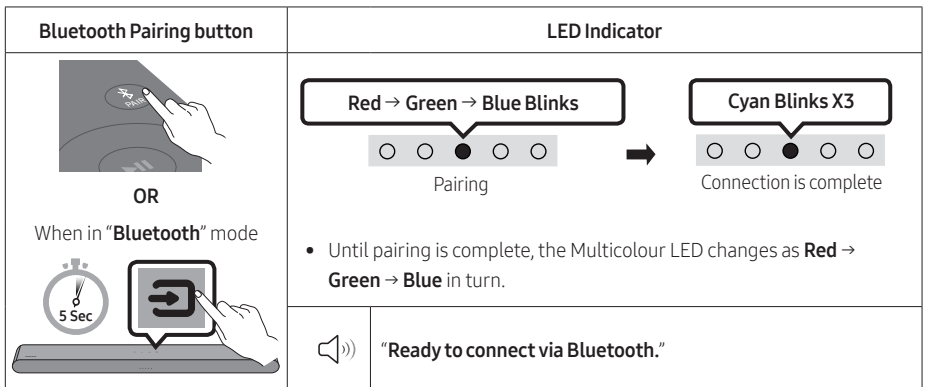
- Only one Samsung TV can be connected at a time.
- Samsung TV that supports Bluetooth can be connected.

Check the specifications of your TV.



### The initial connection

1. Press the **PAIR** button on the Soundbar remote control or press **(Source)** button on the Soundbar top panel to enter the **"Bluetooth"** mode.




2. Select Bluetooth mode on the Samsung TV.  
(e.g. Home (🏠) → Menu → Settings (⚙️) → All Settings (⚙️) → Sound → Sound Output → Bluetooth Speaker List → [AV] Soundbar S5B-Series (Bluetooth))
3. Select **"[AV] Soundbar S5B-Series"** 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 Samsung TV to the Soundbar, select the message, and then establish a connection.
4. You can now hear Samsung TV sound from the Soundbar.
  - If there is a connection log between the Soundbar and Samsung TV, the Soundbar is automatically connected by changing its mode to **"Bluetooth"**.

### If the device fails to connect

- If you have an existing Soundbar (e.g., [AV] Soundbar S5B-Series) on the list of speakers on the Samsung TV, delete it.
- Then repeat steps 1 through 3.

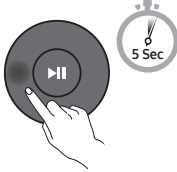
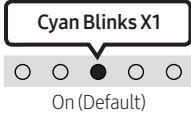
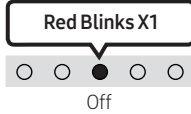
### Disconnecting the Soundbar from the Samsung TV

Press the  (**Source**) button on the top panel or on the remote control to select the mode other than "Bluetooth".

- Disconnecting takes time because the Samsung TV must receive a response from the Soundbar. (The time required may differ, depending on the Samsung TV model.)

### TV Auto connect On/Off

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 "Bluetooth Ready" status. (Toggle On → Off)

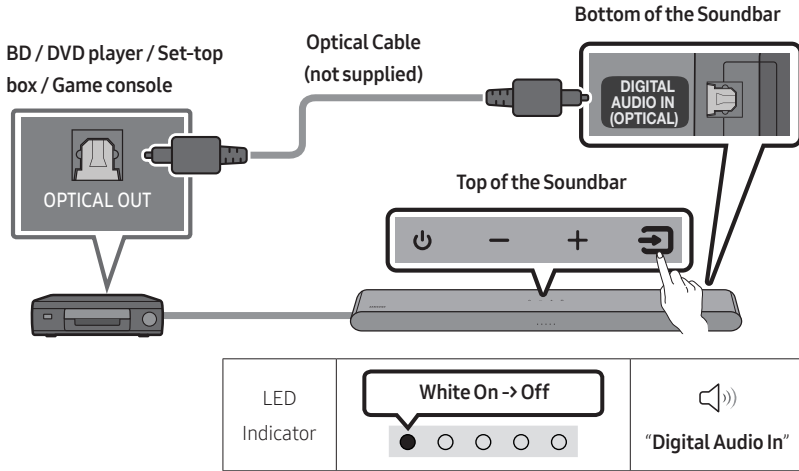
Left button	LED Indicator	
		
Bluetooth Ready	Toggle On → Off	

### Notes on Bluetooth connection

- Locate a new device within 1 m to connect via Bluetooth communication.
- If asked for a PIN code when connecting a Bluetooth device, enter <0000>.
- The Soundbar automatically turns off after 20 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

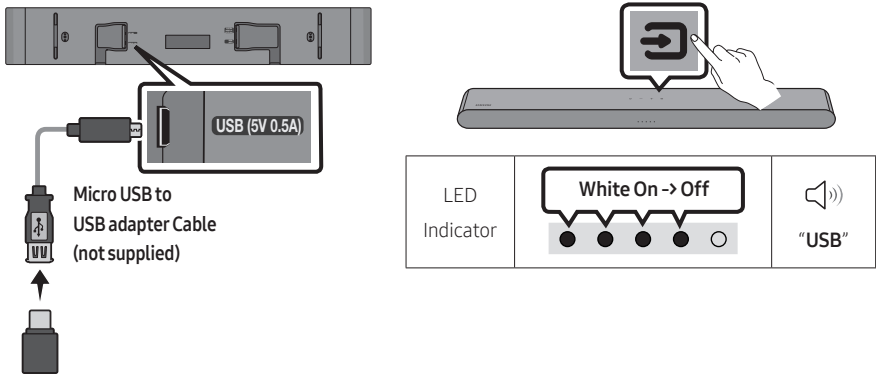
## Connecting using an Optical Cable




1. With the external device and Soundbar turned off, connect the **DIGITAL AUDIO IN (OPTICAL)** port on the Soundbar and the **OPTICAL** output port on the external device with the optical cable (not supplied), as shown in the figure.
2. Turn on the Soundbar and external device.
3. Press the **Source** button on the top panel or remote control, and then select the **"Digital Audio In"** mode.
4. The external device sound is output from the Soundbar.

# 08 CONNECTING A USB STORAGE DEVICE

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



1. Connect the Soundbar with the USB stick by the USB adapter cable above.
  - The Micro USB to USB adapter cable is sold separately. To purchase, contact a Samsung Service Centre or Samsung Customer Care.
2. Press the  (**Source**) button on the top panel or remote control, and then select the “**USB**” mode.
3. 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 20 minutes.



## File Format Type Compatibility list

Extension	Codec	Sampling Rate	Bit Rate
*.mp3	MPEG 1 Layer2	16kHz ~ 48kHz	80kbps~320kbps
	MPEG 1 Layer3	16kHz ~ 48kHz	80kbps~320kbps
	MPEG 2 Layer3	16kHz ~ 48kHz	80kbps~320kbps
	MPEG 2.5 Layer3	16kHz ~ 48kHz	80kbps~320kbps
*.wma	Wave_Format_MSAudio1	16kHz ~ 48kHz	56kbps~128kbps
	Wave_Format_MSAudio2	16kHz ~ 48kHz	56kbps~128kbps
*.aac	AAC	16kHz ~ 96kHz	48kbps~320kbps
	AAC-LC	16kHz ~ 96kHz	128kbps~192kbps 5.1ch 320kbps
	HE-AAC	24kHz ~ 96kHz	48kbps~64kbps 5.1ch 160kbps
*.wav	-	16kHz ~ 48kHz	up to 3000kbps
*.flac	FLAC	32kHz ~ 192kHz	162kbps ~ 8,100kbps
*.aiff	AIFF	32kHz ~ 192kHz	1,024kbps ~ 9,216kbps
*.ogg	OGG 1.1.0	16kHz ~ 48kHz	50kbps~500kbps

- 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.
- The Soundbar only supports USB devices with FAT16 (~2GB), FAT32 (~2TB) or NTFS (~2TB) file systems.

# 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 cables.


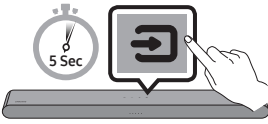
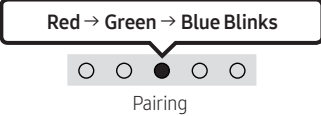
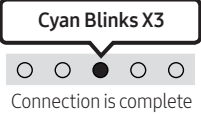

- When you connect a paired Bluetooth device with the Soundbar off, the Soundbar automatically turns on.



mobile device

### The initial connection

- When connecting to a new Bluetooth device, make sure the device is within 1 m distance.
1. Press the **PAIR** button on the Soundbar remote control or press (**Source**) button on the Soundbar top panel to enter the "**Bluetooth**" mode.

Bluetooth Pairing button	LED Indicator
 <p>OR</p> <p>When in "<b>Bluetooth</b>" mode</p> 	  <ul style="list-style-type: none"><li>• Until pairing is complete, the Multicolour LED changes as <b>Red</b> → <b>Green</b> → <b>Blue</b> in turn.</li></ul>
	<p>"Ready to connect via Bluetooth."</p>

2. On your device, select "[AV] Samsung Soundbar S5B-Series" from the list that appears.
3. Play music files from the device connected via Bluetooth through the Soundbar.

### If the device fails to connect

- If you have an existing Soundbar (e.g., [AV] Samsung Soundbar S5B-Series) on the list of speakers on the Mobile device, delete it.
- Then repeat steps 1 and 2.

## **Notes on Bluetooth connection**

- Locate a new device within 1 m to connect via Bluetooth communication.
- If asked for a PIN code when connecting a Bluetooth device, enter <0000>.
- The Soundbar automatically turns off after 20 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.
- You cannot connect the Soundbar to a Bluetooth device that supports only the HF (Hands Free) function.
- When connecting the Soundbar to a Bluetooth device, place them as close to each other as possible.
- The farther the Soundbar and Bluetooth device are from each other, the lower the sound quality will become.

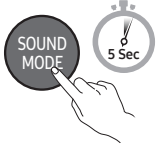
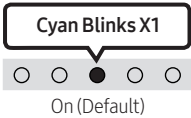
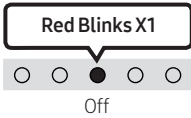
The Bluetooth connection may break when the devices are out of the effective range.

- The Bluetooth connection may not function as intended in areas with poor reception.
- A Bluetooth device may experience noise or malfunction under in the following conditions:
  - When the body is in contact with the signal transceiver on the Bluetooth device or Soundbar
  - In corners or when there is an obstacle in proximity, such as a wall or partition, where electrical changes may occur.
  - When exposed to radio interferences by other products operating on the same frequency ranges, such as medical equipment, microwave ovens, and wireless LAN devices.
  - Obstacles such as doors and walls may still impact the sound quality even when the devices are within the effective range.
- Note that your Soundbar cannot be paired with other Bluetooth devices while using the Bluetooth option.
- This wireless device may cause electrical interference during operation.

## Bluetooth Power On/Off

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. Multicolour LED indicator on the Soundbar blinks "**Cyan**".


SOUND MODE button	LED Indicator	
		
Bluetooth Power On/Off	Toggle On → Off	

## 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.
- If the Soundbar is disconnected from the Bluetooth device, the multicolour LED indicator on the Soundbar blinks "**Red**" three times.

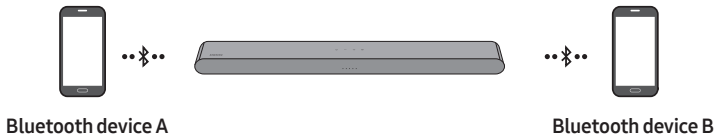
## Disconnecting the Soundbar from the Bluetooth device

Press the  (**Source**) button on the top panel or on the remote control to select the mode other than "**Bluetooth**".

- Disconnecting takes time because the Bluetooth device must receive a response from the Soundbar. (Disconnection time may differ, depending on the Bluetooth device)

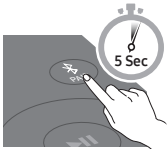
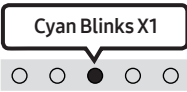

## Bluetooth Multi connection

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



## TV Auto connect On/Off

1. Press and hold the **PAIR** button for more than 5 seconds on the remote while the Soundbar is turned off.
2. Multicolour LED indicator on the Soundbar blinks "Cyan".

Bluetooth Pairing button	LED Indicator	
When in standby mode 	 Multi connection On (Default)	 Multi connection Off

3. Connect the Soundbar to up to two Bluetooth devices. (See page 26)
4. Play music from one of the connected Bluetooth devices while two devices are connected.
5. 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".
6. 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 "Bluetooth" mode, press and hold the **Source** button on the top of the Soundbar for more than 5 seconds for the Soundbar to go into "Bluetooth 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.

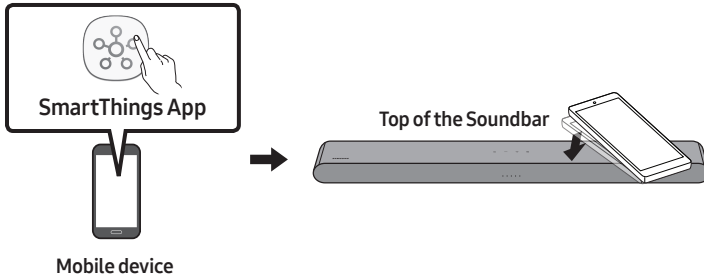
## NOTES

- Connect the Soundbar to up to two Bluetooth devices.
- Play music from one of the connected Bluetooth devices while two devices are connected.
- 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”.
- In versions prior to AVRCP V1.4, the switching time of the device playing music may be delayed.
- The device can be switched by notification or alarm on some devices.
- Some devices do not support Bluetooth multi connection.
- **“Bluetooth Pairing”** mode stops when no device is paired within 3 minutes.
- Switching devices may take about 7 seconds on some apps.
- If you attempt to connect a 3rd Bluetooth device, the A or B devices will be disconnected. (A device that is not currently playing will be disconnected.)
- 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.

# Using Tap Sound

Tap the Soundbar with your mobile device to play audio from the mobile device through the Soundbar.

- This function may not be supported, depending on the mobile device.
- This function is only compatible on Samsung mobile devices with Android 8.1 or later.



1. Turn on the **Tap Sound** function on your mobile device.
  - For details on how to turn on the function, refer to “**Enable the Tap Sound function**” below.
2. Tap the Soundbar with the mobile device. Select “**Start now**” in the displayed message window. A connection is established between the mobile device and Soundbar via Bluetooth.
3. Play audio from the mobile device through the Soundbar.
  - This function connects a mobile device to the Soundbar via Bluetooth by detecting vibration that occurs when the device touches the Soundbar.
  - Make sure the mobile device does not tap a sharp corner of the Soundbar. The Soundbar or mobile device may become scratched or damaged.
  - It is recommended that the mobile device be covered with a case. Lightly tap the wide area in the upper portion of the Soundbar, without using excessive force.
  - To use this function, update the **SmartThings** app to the latest version. The function may not be supported, depending on the app version.

## Enable the Tap Sound function

Use the **SmartThings** app to turn on the **Tap View, Tap Sound** function.

1. On the mobile device, run the **SmartThings** app.
2. Select (☰ → ⚙) in the **SmartThings** app screen displayed on the mobile device.
3. Set “**Tap View, Tap Sound**” to On to allow the function to work when a mobile device moves close to the Soundbar.

## NOTES

- When the mobile device is in power-saving mode, the **Tap Sound** function does not work.
- The **Tap Sound** function may not work if there are devices near the Soundbar that cause radio interference such as electric devices. Make sure devices that may cause radio interference are placed at a sufficient distance away from the Soundbar.

# 10 INSTALLING THE WALL MOUNT

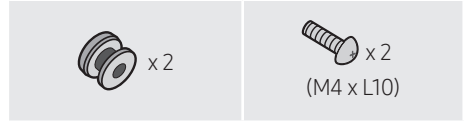
## Installation Precautions

- 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



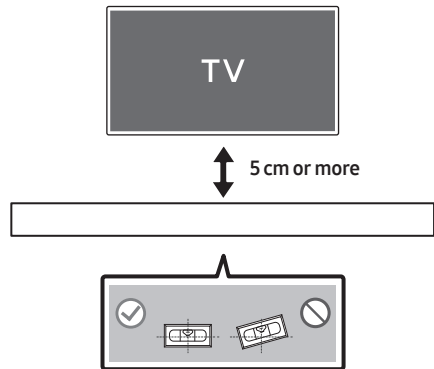
Holder-Screw

Screw



Bracket-Wall Mount

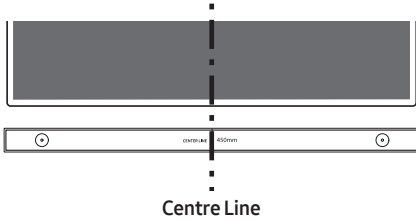
1. Place the **Wall Mount Guide** against the wall surface.
  - The **Wall Mount Guide** must be level.
  - If your TV is mounted on the wall, install the Soundbar at least 5 cm below the TV.



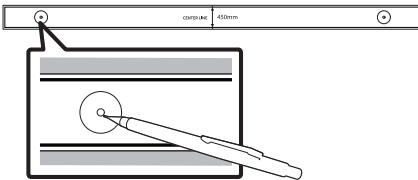


2. Align the **Wall Mount Guide's Centre Line** with the centre of your TV (if you are mounting the Soundbar below your TV), and then fix the **Wall Mount Guide** to the wall using tape.

- If you are not mounting below a TV, place the **Centre Line** in the centre of the installation area.



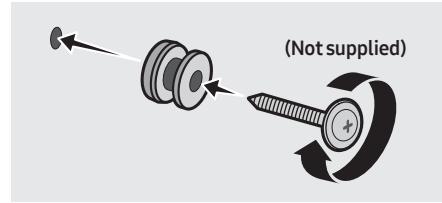
3. Use a pen to mark the positions of the holes and remove the **Wall Mount Guide**.



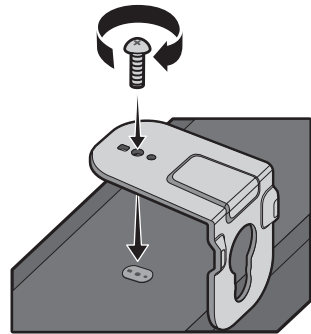
4. Using an appropriately sized drill bit, drill a hole in the wall at each marking.

- 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.

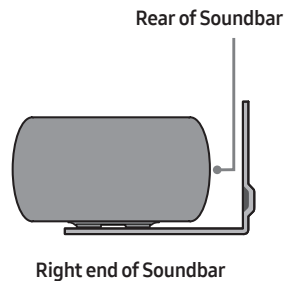
5. Push a screw (not supplied) through each **Holder-Screw**, and then screw each screw firmly into a support screw hole.



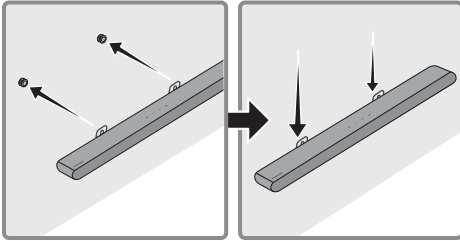
6. Install the 2 **Bracket-Wall Mounts** in the correct orientation on the bottom of the Soundbar using 2 **Screws**.



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

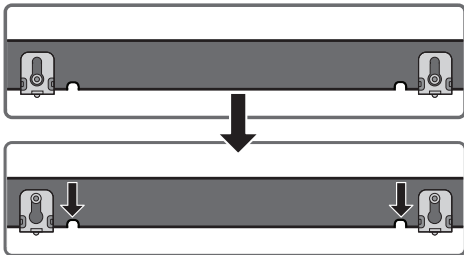


7. Install the Soundbar with the attached **Bracket-Wall Mounts** by hanging the **Bracket-Wall Mounts** on the **Holder-Screws** on the wall.

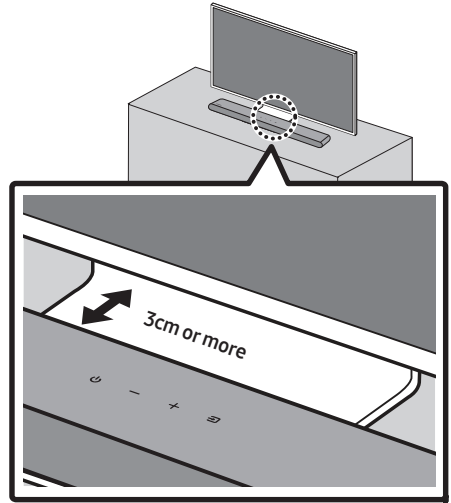


8. Slide the Soundbar down as shown below so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.

- 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 INSTALLING THE SOUNDBAR IN FRONT OF TV



Align the centre of the Soundbar to the centre of the TV as illustrated in the image.

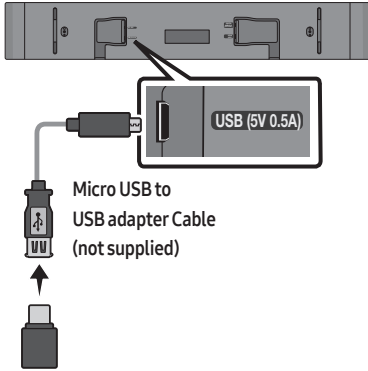
Place the Soundbar at least 3cm away from the TV.

## NOTES

- Make sure the Soundbar is placed on a flat and solid surface.
- Insufficient gap from the TV may cause acoustic problems.

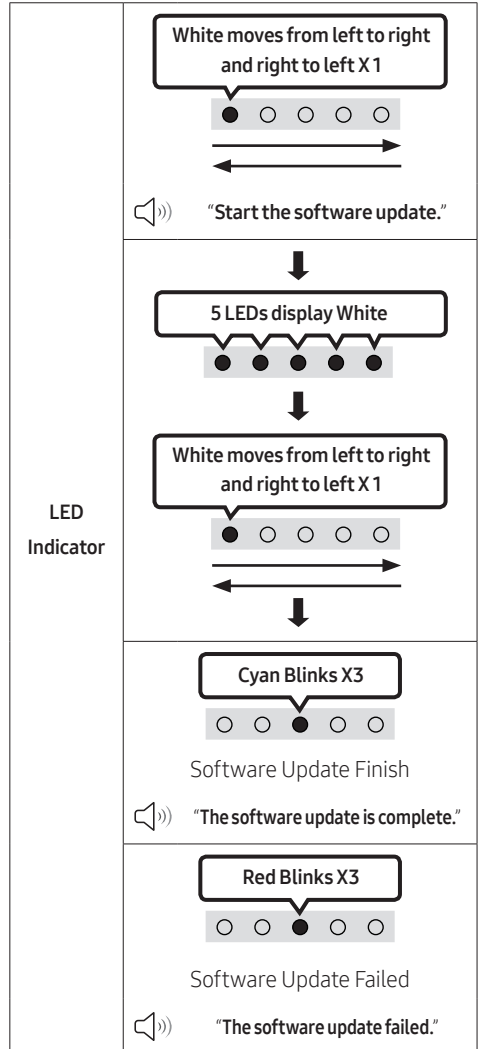
# 12 SOFTWARE UPDATE

**Important:** After upgrading, keep the original Settings.



1. Connect a USB memory stick to the USB port on your computer.  
**Important:** Make sure there are no music files on the USB memory stick drive. This may cause the firmware update to fail.
2. Go to ([samsung.com](http://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 memory stick and select “Extract Here” to unzip the folder.
4. Turn on the Soundbar and connect the USB memory stick containing the software update to the female port on a Micro USB adapter cable. Connect the cable to the **USB** port on the Soundbar.

5. Plug USB into Soundbar and switch to USB source, the software will update automatically and will complete update within 2 minutes. During the update process, the 5 LEDs will start flashing in a loop, and then the 5 LEDs will all be bright white, and then the 5 LEDs will flash in a loop again. When the update is complete, the cyan indicator blinks 3 times, and the soundbar automatically restarts.



- This product has a DUAL BOOT function. If the firmware fails to update, you can update the firmware again.

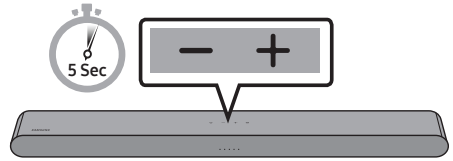
## If LED sequence flashing is not displayed

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.

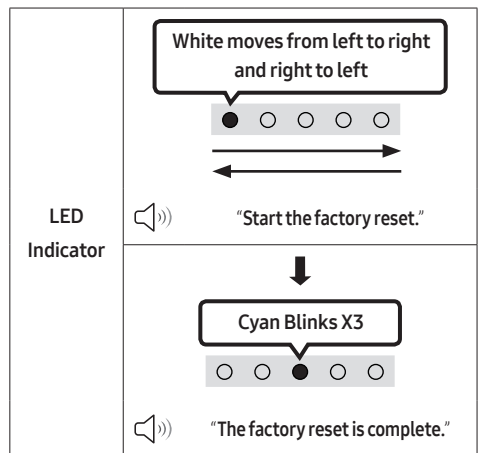
### NOTES

- 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 upgrading, keep the original Settings. (include Volume, sound field, etc.)
  - When the firmware update is complete, the soundbar automatically turns on, and the Voice UI comes out. 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.

## Reset



With the Soundbar on, press the **- + (Volume)** buttons on the body at the same time for at least 5 seconds. The LED display changes as shown below and then the Soundbar is reset.



### ⚠ CAUTION

- All the settings of the Soundbar are reset. Be sure to perform this only when a reset is required.

# 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 cycle the external device 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 9.)

## 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 not 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 36.)

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

- Check whether the HDMI cable is correctly connected to the ARC terminal. (See page 17)
- 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)

## Soundbar does not connect via Bluetooth.

- When connecting a new device, switch to Bluetooth Pairing for connection. (Press the  PAIR button on the remote control or press the  (Source) button on the body 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)
- Remove and reconnect the power plug, then try again.
- Reset the product and try again. (See page 36.)

### 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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\* This product does not support Dolby Atmos®.



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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](http://www.energystar.gov) for more information of the ENERGY STAR Program.

### **ENERGY STAR qualified model only (Applicable to Thin Client models only)**

As an ENERGY STAR® Partner, SAMSUNG has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

- The ENERGY STAR Program has been to reduced greenhouse gas emissions and save energy through voluntary labeling.
- Power management setting of this product have been enabled by default, and have various timing setting from 1 minutes to 5 hours.
- The product can wake with a button press on the chassis from sleep mode.

### **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

To send inquiries and requests for questions regarding open sources, contact Samsung Open Source (<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-S50B / HW-S56B
USB	5V/0.5A
Weight	2.4 kg
Dimensions (W x H x D)	670.0 x 62.3 x 105.0 mm
Operating Temperature Range	+5°C to +35°C
Operating Humidity Range	10 % ~ 75 %
AMPLIFIER Rated Output power	(30W x 2) + (30W x 2) + 20W
Supported play formats DTS, Dolby® Digital (DTS Virtual Surround is played in DTS format.)	LPCM 2ch, Dolby Audio™ (supporting Dolby® Digital), DTS, DTS Virtual:X
WIRELESS DEVICE OUTPUT POWER	The transmitting power is 9 dBm.
Overall Standby Power Consumption (W)	0.5W
Bluetooth Port deactivation method	Press and hold the <b>SOUND MODE</b> 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.



**[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/](http://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](http://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](http://www.samsung.com/uk/support)**

**EIRE**  
**Tel : 0818 717100**  
**[www.samsung.com/ie/support](http://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-imburement 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-imburement 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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## Contact SAMSUNG WORLD WIDE

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

Country	Samsung Service Centre ☎	Web Site	Country	Samsung Service Centre ☎	Web Site
<b>■ Europe</b>					
UK	0333 000 0333	<a href="http://www.samsung.com/uk/support">www.samsung.com/uk/support</a>	CZECH	800 - SAMSUNG (800-726786)	<a href="http://www.samsung.com/cz/support">www.samsung.com/cz/support</a>
IRELAND (EIRE)	0818 717100	<a href="http://www.samsung.com/ie/support">www.samsung.com/ie/support</a>	SLOVAKIA	0800 - SAMSUNG (0800-726786)	<a href="http://www.samsung.com/sk/support">www.samsung.com/sk/support</a>
GERMANY	061967755577	<a href="http://www.samsung.com/de/support">www.samsung.com/de/support</a>	CROATIA	072726786	<a href="http://www.samsung.com/hr/support">www.samsung.com/hr/support</a>
FRANCE	0148630000	<a href="http://www.samsung.com/fr/support">www.samsung.com/fr/support</a>	BOSNIA	055 233 999	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
ITALIA	800-SAMSUNG (800.7267864)	<a href="http://www.samsung.com/it/support">www.samsung.com/it/support</a>	NORTH MACEDONIA	023 207777	<a href="http://www.samsung.com/mk/support">www.samsung.com/mk/support</a>
SPAIN	91 175 00 15	<a href="http://www.samsung.com/es/support">www.samsung.com/es/support</a>	MONTENEGRO	020 405 888	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
PORTUGAL	210 608 098 Chamada para a rede fixa nacional Dias úteis das 9h às 20h	<a href="http://www.samsung.com/pt/support">www.samsung.com/pt/support</a>	SLOVENIA	080 697 267 (brezplačna številka)	<a href="http://www.samsung.com/si/support">www.samsung.com/si/support</a>
LUXEMBURG	261 03 710	<a href="http://www.samsung.com/be_fr/support">www.samsung.com/be_fr/support</a>	SERBIA	011 321 6899	<a href="http://www.samsung.com/rs/support">www.samsung.com/rs/support</a>
NETHERLANDS	088 90 90 100	<a href="http://www.samsung.com/nl/support">www.samsung.com/nl/support</a>	KOSOVO	038 40 30 90	<a href="http://www.samsung.com/support">www.samsung.com/support</a>
BELGIUM	02-201-24-18	<a href="http://www.samsung.com/be/support">www.samsung.com/be/support</a> (Dutch) <a href="http://www.samsung.com/be_fr/support">www.samsung.com/be_fr/support</a> (French)	ALBANIA	045 620 202	<a href="http://www.samsung.com/al/support">www.samsung.com/al/support</a>
NORWAY	21629099	<a href="http://www.samsung.com/no/support">www.samsung.com/no/support</a>	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	<a href="http://www.samsung.com/bg/support">www.samsung.com/bg/support</a>
DENMARK	707 019 70	<a href="http://www.samsung.com/dk/support">www.samsung.com/dk/support</a>	ROMANIA	0800872678 - Apel gratuit *8000 - Apel tarifat în rețea	<a href="http://www.samsung.com/ro/support">www.samsung.com/ro/support</a>
FINLAND	030-6227515	<a href="http://www.samsung.com/fi/support">www.samsung.com/fi/support</a>	CYPRUS	8009 4000 only from landline, toll free	<a href="http://www.samsung.com/gr/support">www.samsung.com/gr/support</a>
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POLAND	801-172-678* lub +48 22 607-93-33* Specjalistyczna infolinia do obsługi zapytań dotyczących telefonów komórkowych: 801-672-678* * (opłata według taryfy operatora)	<a href="http://www.samsung.com/pl/support/">http://www.samsung.com/pl/support/</a>	LITHUANIA	8-800-77777	<a href="http://www.samsung.com/lt/support">www.samsung.com/lt/support</a>
HUNGARY	0680SAMSUNG (0680-726-7864)	<a href="http://www.samsung.com/hu/support">www.samsung.com/hu/support</a>	LATVIA	8000-7267	<a href="http://www.samsung.com/lv/support">www.samsung.com/lv/support</a>
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SWITZERLAND	0800726786	<a href="http://www.samsung.com/ch/support">www.samsung.com/ch/support</a> (German) <a href="http://www.samsung.com/ch_fr/support">www.samsung.com/ch_fr/support</a> (French)			