

SAMSUNG

FULL MANUAL

HW-S50B

Imagine the possibilities

Thank you for purchasing this Samsung product.









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

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 a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a power cord, the product MUST have a reliable connection to protective earth (ground).	
	AC voltage : Rated voltage marked with this symbol is AC voltage.	
	DC voltage : Rated voltage marked with this symbol is DC voltage.	
	Caution. Consult Instructions for use : This symbol instructs the user to consult the user manual for further safety related information.	

WARNING

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

CAUTION

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

FCC NOTE (for U.S.A):

FCC Supplier's Declaration of Conformity

Responsible Party - U.S. Contact Information:

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

FCC Compliance Statement :

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution :

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

Class B FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

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


FCC Radiation Exposure Statement :

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

CALIFORNIA USA ONLY (Applicable for networking models only.)

This Perchlorate warning applies only to primary CR(Manganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA "Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate."


Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website:www.samsung.com/recycling Or call, 1-800-SAMSUNG

 **WARNING: Cancer and Reproductive Harm**
- www.P65Warnings.ca.gov.

Important Safety Instructions

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

1. Read these instructions.
2. Keep these Instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.

7. Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

PRECAUTIONS

1. Ensure that the AC power supply in your house complies with the power requirements listed on the identification sticker located on the bottom of your product. Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4 inches). Make sure the ventilation slots are not covered. Do not place the unit on amplifiers or other equipment which may become hot. This unit is designed for continuous use. 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.

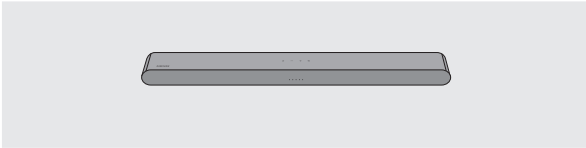
CAUTION : Danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type.

CONTENTS

01	Checking the Components	8
02	Product Overview	9
	Front Panel / Top Panel of the Soundbar	9
	Bottom Panel of the Soundbar	10
03	Using the Remote Control	11
	Inserting Batteries before using the Remote Control (AAA batteries X 2)	11
	How to Use the Remote Control	11
	Using the Hidden Buttons (Buttons with more than one function)	16
	Output specifications for the different sound effect modes	16
	Adjusting the Soundbar volume with a TV remote control	17
04	Connecting the Soundbar	18
	Connecting Electrical Power	18
	Connecting the Samsung Wireless Rear Kit and Subwoofer to your oundbar	18
05	Using a wired connection to the TV	19
	Method 1. Connecting with HDMI	19
	Method 2. Connecting using an Optical Cable	21
06	Using a wireless connection to the TV	23
	Connecting via Bluetooth	23

07	Connecting an External Device	25
	Connecting using an Optical Cable	25
08	Connecting a USB Storage Device	26
09	Connecting a Mobile Device	28
	Connecting via Bluetooth	28
	Using Tap Sound	33
10	Installing the Wall Mount	34
	Installation Precautions	34
	Wallmount Components	34
11	Installing the Soundbar in front of TV	36
12	Software Update	37
	Reset	38
13	Troubleshooting	39
14	License	40
15	Open Source License Notice	41
16	Important Notes About Service	41
17	Specifications and Guide	42
	Specifications	42

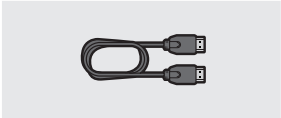
01 CHECKING THE COMPONENTS



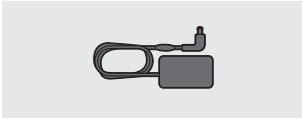
Soundbar Main Unit



Soundbar Remote Control (AH81-15439A)
/ Batteries



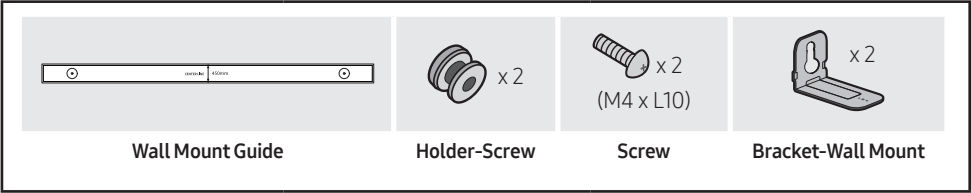
HDMI Cable
(AH81-11166A)



AC/DC Adapter (Soundbar)
(AH81-15475A)



Power Cord (Soundbar)
(AH81-09821A)

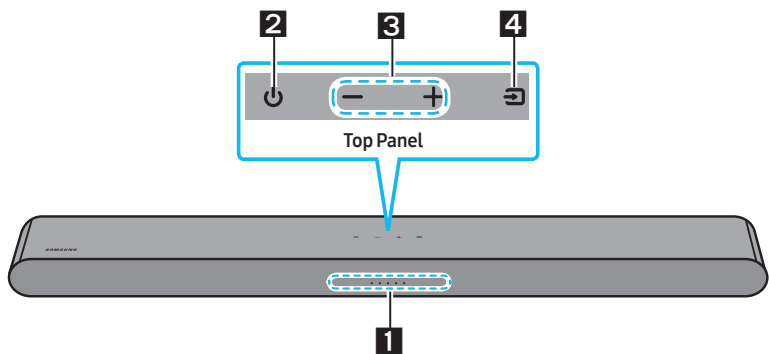


















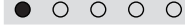
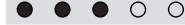
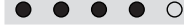

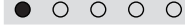
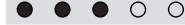
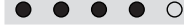

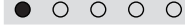
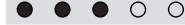
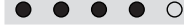

(AH81-15477A)

- For more information about the power supply and power consumption, refer to the label attached to the product. (Label: Bottom of the Soundbar Main Unit)
- To purchase additional components or optional cables, contact a Samsung Service Center or Samsung Customer Care.
- For more information about the wallmount see page 34.
- Design, specifications are subject to change without prior notice.
- The appearance of the accessories may differ slightly from the illustrations above.

02 PRODUCT OVERVIEW

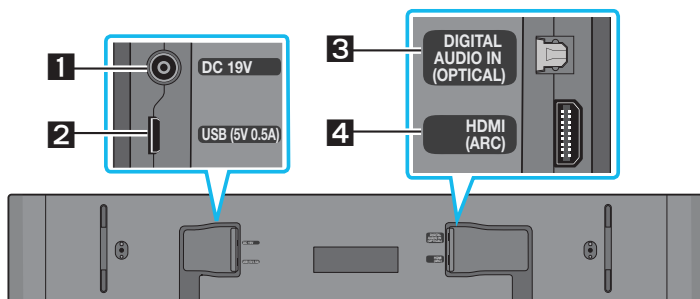
Front Panel / Top Panel of the Soundbar



1	LED indicator	<p>The LED Indicator flashes, glows, or changes color depending on the Soundbar's current mode or status. The color of the LED indicator and the number of lights indicate the active mode as described below.</p> <table><tr><td> White LED</td><td> White LED</td><td> Multicolor LED</td><td> White LED</td><td> White LED</td></tr></table> <ul style="list-style-type: none">The Multicolor LED changes to White, Cyan, Green, Red, Yellow, Orange, Purple and Blue depending on the mode or status.	 White LED	 White LED	 Multicolor LED	 White LED	 White LED			
 White LED	 White LED	 Multicolor LED	 White LED	 White LED						
2	Power	Turns the power on and off.								
3	Volume	Adjusts the volume.								
4	Source	<ul style="list-style-type: none">Press the  (Source) button to change the mode. Each time you change the mode, the LED lights in white and then turns off. <table><tr><td>LED Indicator</td><td><div>White On -> Off</div></td><td><div>White On -> Off</div></td><td><div>White On -> Off</div></td></tr><tr><td></td><td>"Digital Audio In" or "TV ARC"</td><td>"Bluetooth"</td><td>"USB"</td></tr></table>	LED Indicator	<div>White On -> Off</div> 	<div>White On -> Off</div> 	<div>White On -> Off</div> 		"Digital Audio In" or "TV ARC"	"Bluetooth"	"USB"
LED Indicator	<div>White On -> Off</div> 	<div>White On -> Off</div> 	<div>White On -> Off</div> 							
	"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



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

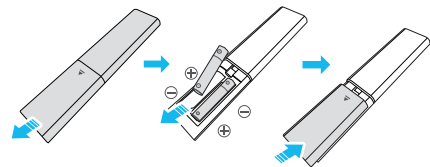
- When disconnecting the power cable of the AC/DC power adapter from a wall outlet, pull the plug. Do not pull the cable.
- Do not connect this unit or other components to an AC outlet until all connections between components are complete.

03 USING THE REMOTE CONTROL

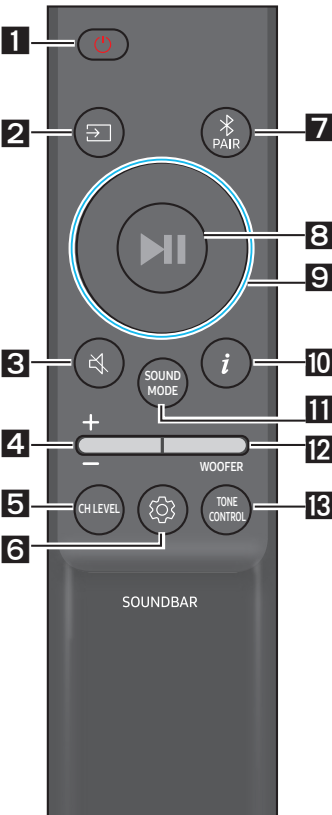
Inserting Batteries before using the Remote Control (AAA batteries X 2)

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

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



How to Use the Remote Control



1

Power

Turns the Soundbar on and off.


LED Indicator	<div data-bbox="628 667 817 715">Cyan Blinks X1</div> <div data-bbox="628 721 817 750">○ ○ ● ○ ○</div> <div data-bbox="707 756 738 777">On</div>	<div data-bbox="841 667 1030 715">Red Blinks X3</div> <div data-bbox="841 721 1030 750">○ ○ ● ○ ○</div> <div data-bbox="920 756 950 777">Off</div>
----------------------	--	--

- Auto Power Down Function**

The unit turns off automatically in the following situations:


- In “**Digital Audio In**” or “**TV ARC**” / “**Bluetooth**” / “**USB**” mode if there is no audio signal for 20 minutes.


2

 **(Source)**

Press to select a source connected to the Soundbar.

3

 **(Mute)**


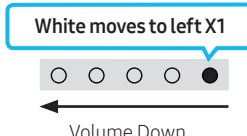
Press the  **(Mute)** button to mute the sound.
Press it again to unmute the sound.

LED Indicator	<div data-bbox="731 1165 920 1220">Blinks X Repeatedly</div> <div data-bbox="731 1224 920 1256">○ ○ ○ ○ ●</div>
----------------------	---

4

Volume



Push the button up or down to adjust the volume.

LED Indicator		
---------------	---	---

5

CH LEVEL

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



LED Indicator	
	"Center Level"

- 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)

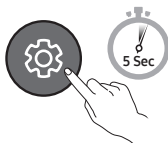
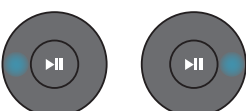



By pressing the button, you can set the audio function. The desired item can be adjusted using the **Up/Down** buttons. Each time the mode changes, the Multicolor LED blinks in white.

LED Indicator	
	"Sync" → "Night mode" → "Voice enhancement"

- If the video on the TV and audio from the Soundbar are not synchronized, 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 optimized 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  (Sound Control) button for about 5 seconds.		Using the Left/Right buttons and each can be adjusted to setting between -6 to +6.	
	"150Hz"		"150Hz" → "300Hz" → "600Hz" → "1.2kHz" → "2.5kHz" → "5kHz" → "10kHz"

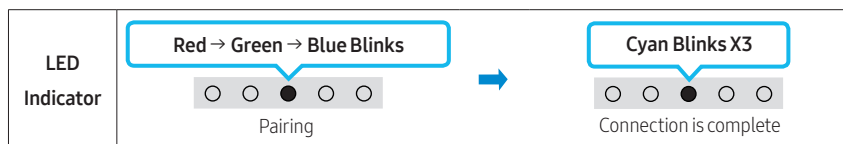
7

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 Multicolor 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).

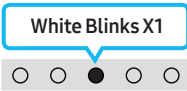

10

(Info)

Press the button to display information about the current function. (See page 9.)

SOUND MODE

By pressing the button, you can select the desired audio mode. Each time the mode changes, the Multicolor LED blinks in white. (The sound mode may differ with the TV model.)

LED Indicator	
	“DTS Virtual:X” → “Standard” → “Music” → “Game” → “Adaptive Sound”

- **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.

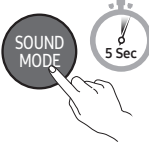

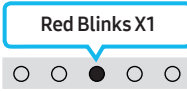
• Bluetooth Power On/Off

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.

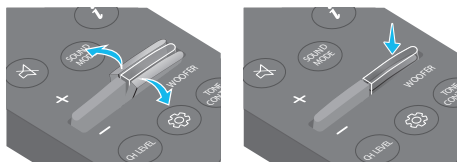
- Press and hold the **SOUND MODE** button for more than 5 seconds to turn off the Bluetooth Power function.

• 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	
	 On (Default)	 Off
DRC On/Off	Toggle On → Off	

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 data-bbox="292 555 482 647"> <div data-bbox="292 555 482 608">White Blinks X1</div> <div data-bbox="292 608 482 647"> <div data-bbox="292 608 314 647"></div> <div data-bbox="314 608 337 647"></div> <div data-bbox="337 608 359 647"></div> <div data-bbox="359 608 381 647"></div> <div data-bbox="381 608 404 647"></div> <div data-bbox="404 608 426 647"></div> </div> </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 17
Left	TV Auto connect On/Off	page 24
Up	ID SET	page 13
 (Sound Control)	7 Band EQ	page 13
SOUND MODE	DRC On/Off	page 14
	Bluetooth Power On/Off	page 14
 PAIR	Bluetooth Multi connection On/Off	page 31

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.

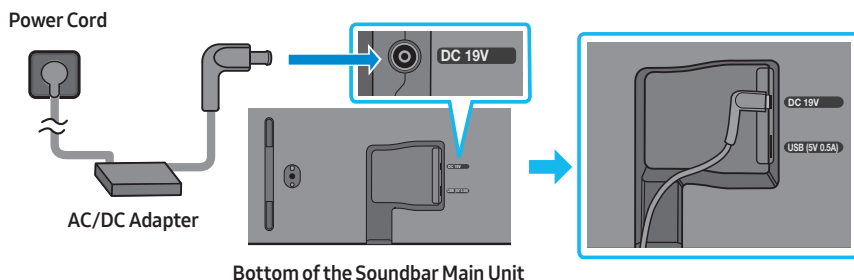
Remote Control Button	LED Indicator	Status
	<div>Red Blinks X1</div> <div></div> <div>"Off-TV Remote" (Default mode)</div>	Disable the TV remote control.
	<div>Cyan Blinks X1</div> <div></div> <div>"Samsung-TV Remote"</div>	Enable a Samsung TV's IR remote control.
	<div>Blue Blinks X1</div> <div></div>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

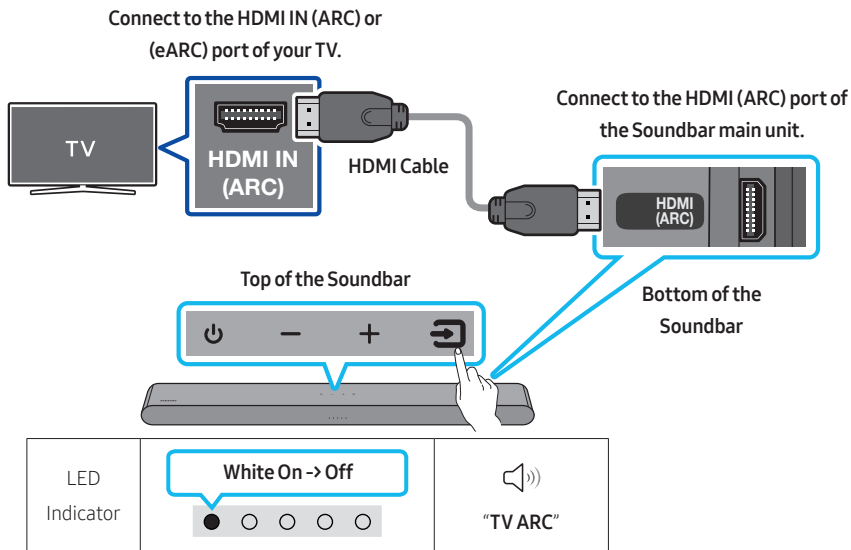
05 USING A WIRED CONNECTION TO THE TV

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 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 connection again.
- Use the volume buttons on the TV’s remote control to change the volume on the Soundbar.

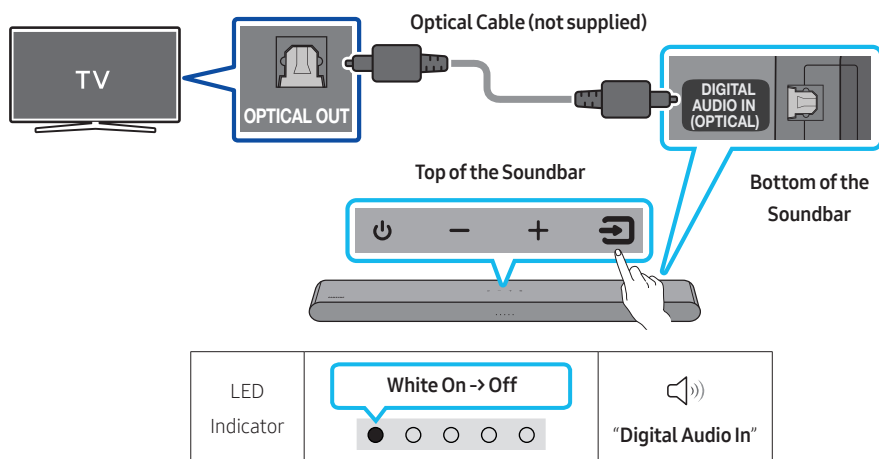
NOTES


- 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 0.55 inches (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

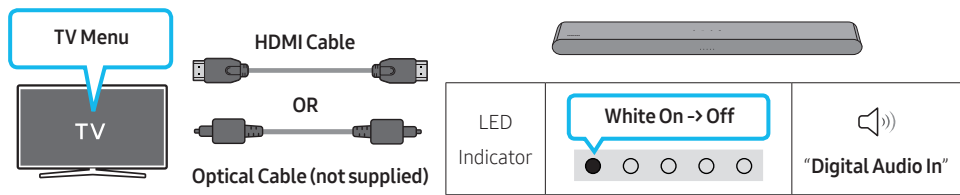
- When both the HDMI cable and optical cable are connected, the HDMI signal is received first.
- When you use an optical cable and the terminals have covers, be sure to remove the covers.



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

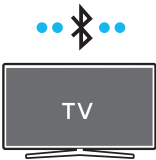
- It can operate according to the Codec supported by TV.
- This function is supported only when the HDMI Cable or Optical Cable (not supplied) is connected.
- The message displayed may differ with the TV model.
- This function is available in some Samsung TVs and some Soundbar models.

06 USING A WIRELESS CONNECTION TO THE TV

Connecting via Bluetooth

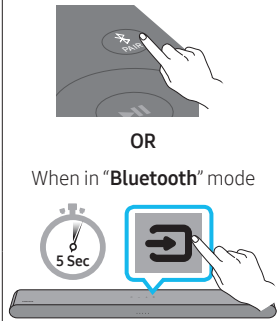



When a Samsung TV is connected using Bluetooth, you can hear stereo sound without the hassle of cables.

- 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.


Bluetooth Pairing button	LED Indicator
 <p>OR</p> <p>When in "Bluetooth" mode</p> <p>5 Sec</p>	<div><div>Red → Green → Blue Blinks</div><div></div><div>Pairing</div></div> <div><div>Cyan Blinks X3</div><div></div><div>Connection is complete</div></div>
	<div>• Until pairing is complete, the Multicolor LED changes as Red → Green → Blue in turn.</div> <div> "Ready to connect via Bluetooth."</div>

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.

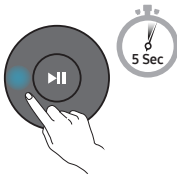


Disconnecting the Soundbar from the Samsung TV

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)

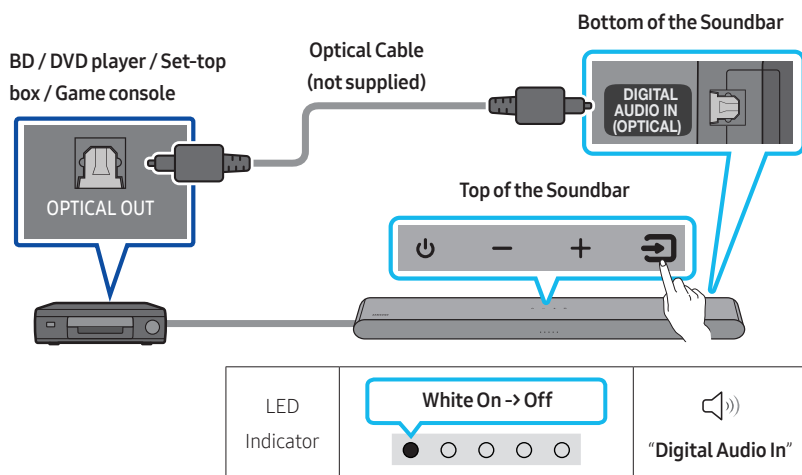
Left button	LED Indicator	
	<div>Cyan Blinks X1</div> <div></div> <div>On (Default)</div>	<div>Red Blinks X1</div> <div></div> <div>Off</div>
Bluetooth Ready	Toggle On → Off	

Notes on Bluetooth connection

- Locate a new device within 3.28 ft (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

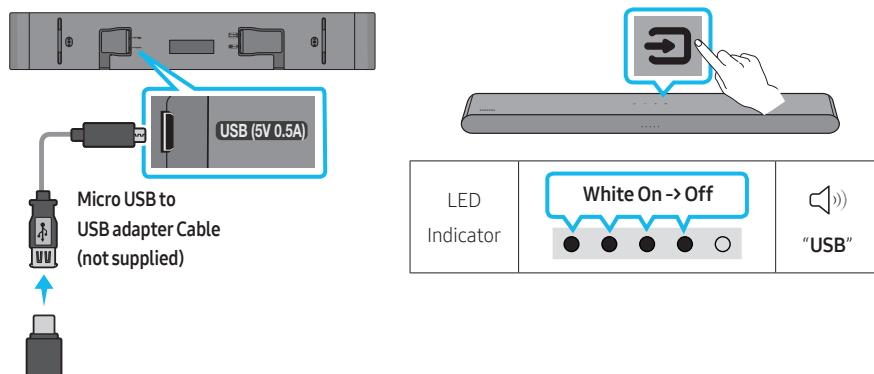
Connecting using an Optical Cable




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 Center 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	Bitrate
*.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 3.28 ft (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	
 OR  When in "Bluetooth" mode	<div>Red → Green → Blue Blinks</div>  Pairing	<div>Cyan Blinks X3</div>  Connection is complete
	<ul style="list-style-type: none">• Until pairing is complete, the Multicolor LED changes as Red → Green → Blue in turn.	
		"Ready to connect via Bluetooth."

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 3.28 ft (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.

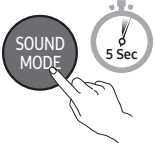


The Bluetooth connection may break when the devices are out of the effective range.

- 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. Multicolor LED indicator on the Soundbar blinks "**Cyan**".


SOUND MODE button	LED Indicator	
	<div>Cyan Blinks X1</div>  On (Default)	<div>Red Blinks X1</div>  Off
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 multicolor LED indicator on the Soundbar blinks "**Red**" three times.

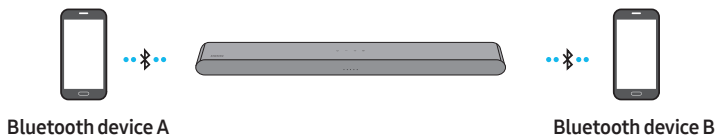
Disconnecting the Soundbar from the Bluetooth device

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

Bluetooth Pairing button	LED Indicator	
When in standby mode		
	<div>Cyan Blinks X1</div> <div></div> <div>Multi connection On (Default)</div>	<div>Red Blinks X1</div> <div></div> <div>Multi connection Off</div>

- 3. Connect the Soundbar to up to two Bluetooth devices. (See page 28)
- 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.

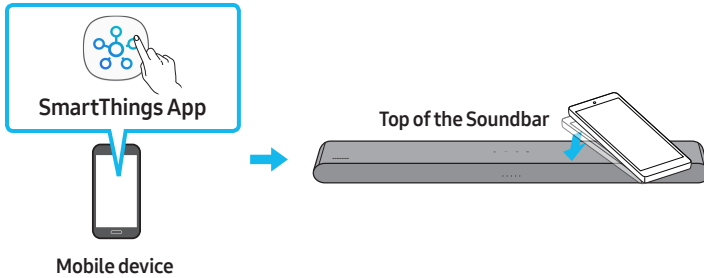
NOTES

- 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

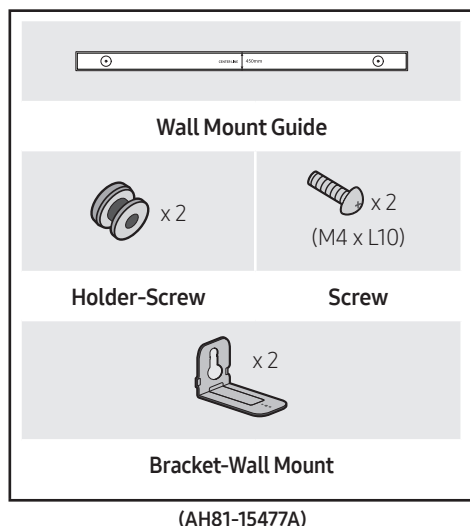
- When the mobile device is in power-saving mode, the **Tap Sound** function does not work.
- The **Tap Sound** function may not work if there are devices near the Soundbar that cause radio interference such as electric devices. Make sure devices that may cause radio interference are placed at a sufficient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

10 INSTALLING THE WALL MOUNT

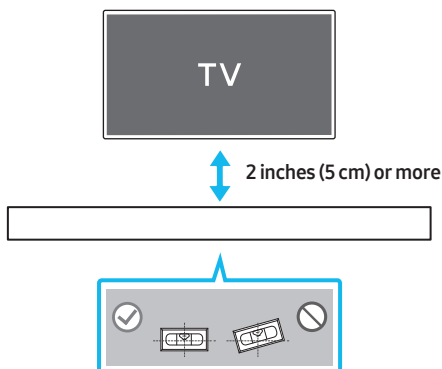
Installation Precautions

- 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: 1 3/8 inches (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

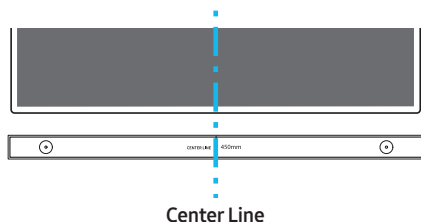


1. Place the **Wall Mount Guide** against the wall surface.
 - The **Wall Mount Guide** must be level.
 - If your TV is mounted on the wall, install the Soundbar at least 2 inches (5 cm) below the TV.

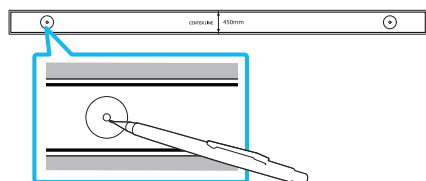


2. Align the **Wall Mount Guide's Center Line** with the center of your TV (if you are mounting the Soundbar below your TV), and then fix the **Wall Mount Guide** to the wall using tape.

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

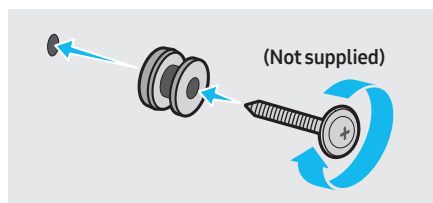


3. Use a pen to mark the positions of the holes and remove the **Wall Mount Guide**.

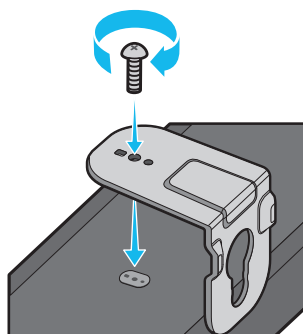


4. Using an appropriately sized drill bit, drill a hole in the wall at each marking.
- If the markings do not correspond to the positions of studs, make sure you insert appropriate anchors into the holes before you insert the support screws. If you use anchors, make sure the holes you drill are large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

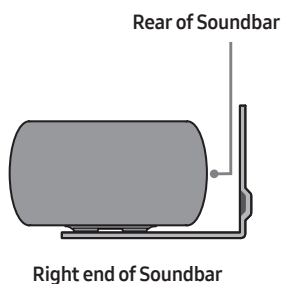
5. Push a screw (not supplied) through each **Holder-Screw**, and then screw each screw firmly into a support screw hole.



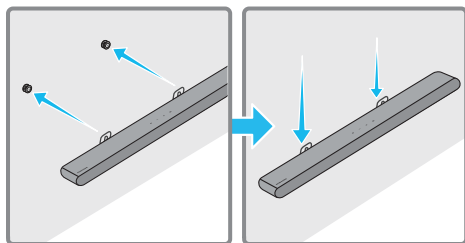
6. Install the 2 **Bracket-Wall Mounts** in the correct orientation on the bottom of the Soundbar using 2 **Screws**.



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

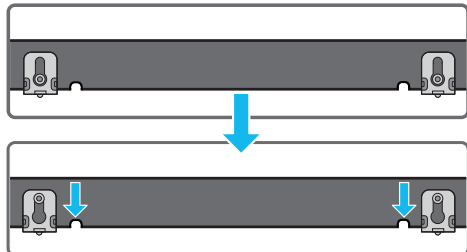


7. Install the Soundbar with the attached **Bracket-Wall Mounts** by hanging the **Bracket-Wall Mounts** on the **Holder-Screws** on the wall.

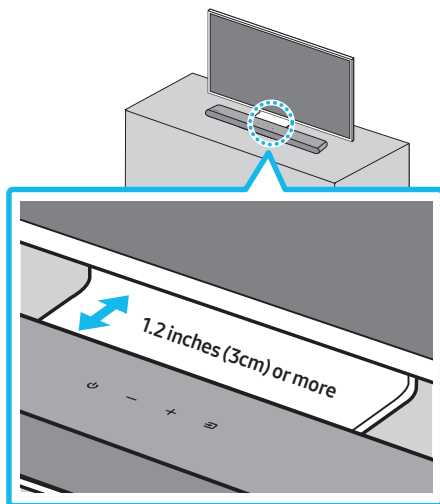


8. Slide the Soundbar down as shown below so that the **Bracket-Wall Mounts** rest securely on the **Holder-Screws**.

- 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 center of the Soundbar to the center of the TV as illustrated in the image.

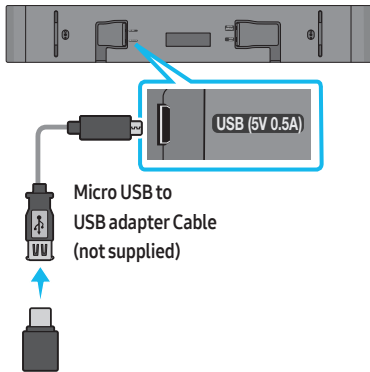
Place the Soundbar at least 1.2 inches (3cm) away from the TV.

NOTES

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

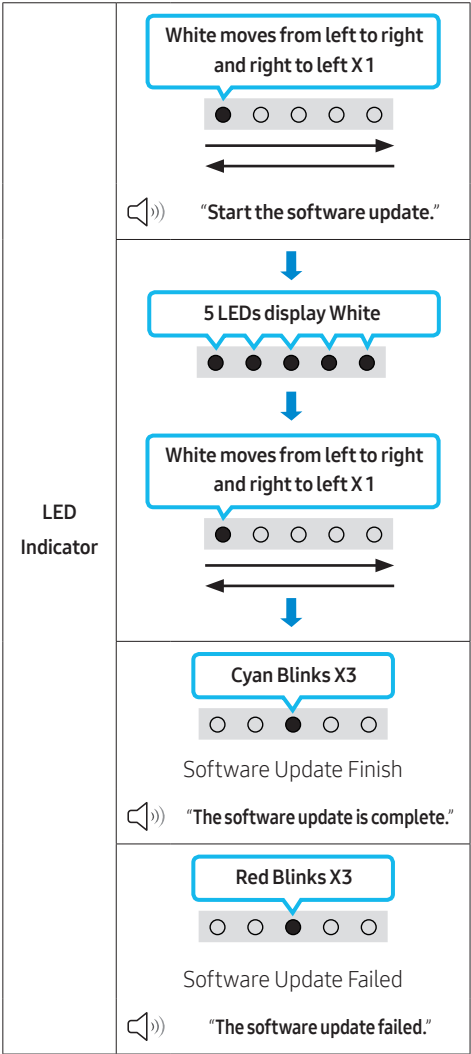
12 SOFTWARE UPDATE

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 <https://www.samsung.com/us/support/downloads/> on your computer → 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 Soudbar 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.

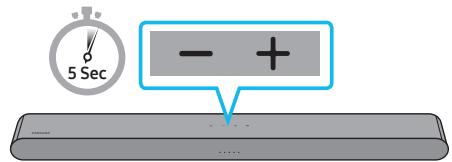
If LED sequence flashing is not displayed

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.

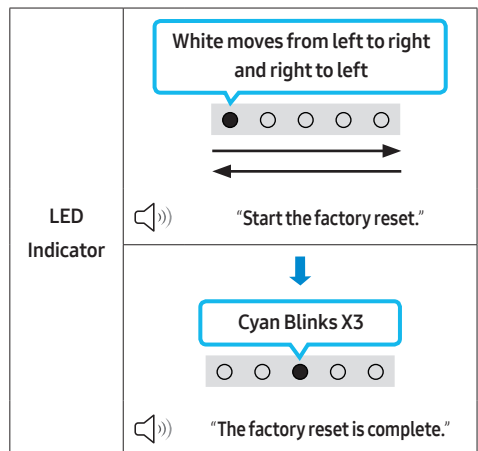
NOTES

- 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

Refer to the instructions below if this product does not function properly. If the problem you are experiencing is not listed below or if the instructions below do not help, turn off the product, disconnect the power cord, and contact Samsung Electronics at 1-800-SAMSUNG (1-800-726-7864).

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 11.)

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 38.)

If the TV is not connected via HDMI (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)

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 38.)

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 LICENSE



Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

* This product does not support Dolby Atmos®.



For DTS patents, see <http://patents.dts.com>.
Manufactured under license from DTS, Inc. (for companies headquartered in the U.S./ Japan/Taiwan) or under license from DTS Licensing Limited (for all other companies). DTS, Digital Surround, and the DTS logo are registered trademarks or trademarks of DTS, Inc. in the United States and other countries.
© 2021 DTS, Inc. ALL RIGHTS RESERVED.



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Samsung Electronics Co., Ltd. is under license. Other trademarks and trade names are those of their respective owners.



[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

(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 LICENSE 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 to your home at your request and there is no defect in the product.
 - b. You bring the unit to a repair center and there is no defect in the product.
- You will be advised of the amount of the administration fee before any work is done or a home visit is made.
- If you have a problem with this product, we strongly recommend you read the appropriate section of this manual, visit the Support page for your product at www.samsung.com, or call Samsung Product Support (1-800-726-7864) to find an answer before you contact a service center for a repair.

17 SPECIFICATIONS AND GUIDE

Specifications

Model Name	HW-S50B
USB	5V/0.5A
Weight	5.3 lbs (2.4 kg)
Dimensions (W x H x D)	26.4 x 2.5 x 4.1 inches (670.0 x 62.3 x 105.0 mm)
Operating Temperature Range	+41°F to +95°F (+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
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.

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) Year Parts and Labor* **(*90 Days Parts and Labor for Commercial Use)**

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation of the product to and from the service center is the responsibility of the purchaser. SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer. SAMSUNG's obligations with respect to software products distributed by SAMSUNG under the SAMSUNG brand name are set forth in the applicable end user license agreement. Non-SAMSUNG hardware and software products, if provided, are on an "AS IS" basis.

Non-SAMSUNG manufacturers, suppliers, publishers, and service providers may provide their own warranties. This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied and authorized by SAMSUNG, or which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal or reinstallation; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG customer care center.

The benefits of this Limited Warranty extend only to the original purchaser of Samsung products from an authorized Samsung reseller. THIS LIMITED WARRANTY SHALL NOT APPLY TO ANY SAMSUNG PRODUCTS PURCHASED FROM UNAUTHORIZED RESELLERS OR RETAILERS, EXCEPT IN STATES WHERE SUCH RESTRICTION MAY BE PROHIBITED. For a list of Samsung authorized retailers, please go to:
http://www.samsung.com/us/peaceofmind/authorized_resellers.html

SAMSUNG



QUESTIONS OR COMMENTS?

Country	Samsung Service Center ☎	Web Site	Address
IN THE US	1-800-SAMSUNG (726-7864)	www.samsung.com/us/support	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660

© 2022 Samsung Electronics Co., Ltd. All rights reserved.