



OWNER'S MANUAL

Wireless Sound Bar

Please read this manual carefully before operating your set and retain it for future reference.

MODEL

SN7Y (SN7Y, SPN5B-W)

Safety Information



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



This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Do not install this equipment in a confined space such as a book case or similar unit.

CAUTION: Do not use high voltage products around this product. (ex. Electrical swatter) This product may malfunction due to electrical shock.

CAUTION: The apparatus should not be exposed to water (dripping or splashing) and no objects filled with liquids, such as vases, should be placed on the apparatus.

CAUTION: Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from over heating. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product shall not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instruction has been adhered to.

CAUTION: No naked flame sources, such as lighted candles, should be placed on the apparatus.

NOTICE: For safety marking information including product identification and supply ratings, please refer to the main label on the bottom or the other surface of the product.

CAUTION concerning the Power Cord

The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily accessible.

Check the specification page of this owner's manual to be certain of the current requirements.

Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your device, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the device, and have the cord replaced with an exact replacement part by an authorized service center. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the device.

CAUTION: Be careful to make sure children do not put their hands or any objects into the *speaker duct.

* speaker duct: A hole for plentiful bass sound on speaker cabinet. (enclosure)

CAUTION: Only use the AC adapter supplied with this device. Do not use a power supply from another device or another manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

Symbols

~	Refers to alternating current (AC).
==	Refers to direct current (DC).
⊞	Refers to class II equipment.
⏻	Refers to stand-by.
I	Refers to "ON" (power).
⚡	Refers to dangerous voltage.

OPEN SOURCE SOFTWARE NOTICE
INFORMATION

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.

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Introduction

Symbol used in this manual



Note

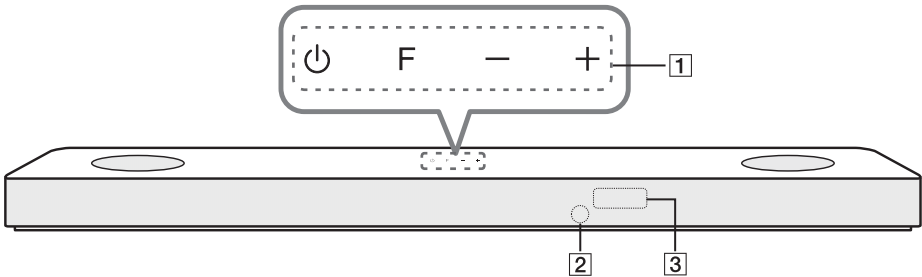
Indicates special notes and operating features.



Caution

Indicates cautions for preventing possible damages from abuse.

Front panel



1

Getting Started

(Standby)

- Switches the unit ON or OFF.

F (Function)

- Select the function and input source by pressing **F** repeatedly.

Input source / Function	Display
Optical ARC LG Sound Sync (Wired)	OPT/HDMI ARC
Bluetooth	BT
LG Sound Sync (Wireless)	LG TV
HDMI IN	HDMI

+/- (Volume)

- Adjusts volume level.

2 Remote sensor

Display Window

3 - Display window will be darkened automatically if there is no key input for 15 seconds.
When you press any button, the display window will brighten.

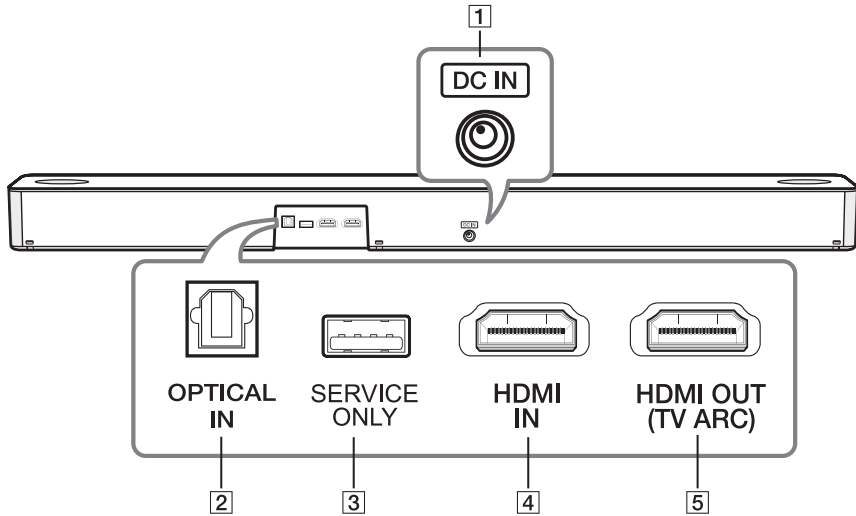
Precautions in using the touch buttons



- Use the touch buttons with clean and dry hands.
 - In a humid environment, wipe out any moisture on the touch buttons before using.
- Do not press the touch buttons hard to make it work.
 - If you apply too much strength, it can damage the sensor of the touch buttons.
- Touch the button that you want to work in order to operate the function correctly.
- Be careful not to have any conductive material such as metallic object on the touch buttons. It can cause malfunctions.

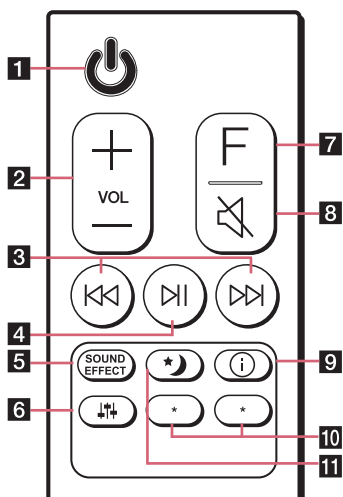
-
- ! This unit will turn itself off to save electric consumption when the main unit is not connected to an external device and is not used for 15 minutes.

Rear panel



- | | |
|----------|--|
| 1 | DC IN
- Connect to the AC adapter. |
| 2 | OPTICAL IN
- Connect the OPTICAL IN jack on the back of the unit to OPTICAL OUT jack on the TV. |
| 3 | USB (Service only)
- S/W download connector |
| 4 | HDMI IN
- Connect HDMI IN jack on the back of the unit to HDMI OUT jack on the external device.
You can enjoy the sound and picture from HDMI connection on an external device. |
| 5 | HDMI OUT (TV ARC)
- Connect the HDMI OUT (TV ARC) jack on the back of the unit to ARC jack on the TV. |

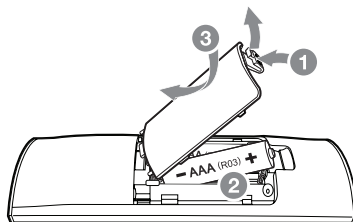
Remote control



Replacement of Battery

Remove the battery cover on the rear of the remote control, and insert the battery with **+** and **-** matched correctly.

Risk of fire or explosion if the battery is replaced by an incorrect type.



- | | |
|---|--|
| 1 | <p>⏻ (Standby)</p> <ul style="list-style-type: none"> - Switches the unit ON or OFF. |
| 2 | <p>VOL (Volume) +/-</p> <ul style="list-style-type: none"> - Adjusts speaker volume. |
| 3 | <p>⏮/⏭ (Skip/Search)</p> <ul style="list-style-type: none"> - Press ⏮ or ⏭ to go to next or previous file. |
| 4 | <p>⏮ (Play/Pause)</p> <ul style="list-style-type: none"> - Starts playback. / Pauses playback. <p>• BT (Bluetooth) connection Lock: It allows you to connect a Bluetooth device only on Bluetooth and LG TV functions. (Page 35)</p> <p>To turn on or off the Bluetooth connection lock, press and hold ⏮ for about 3 seconds and press it again in BT (Bluetooth) function.</p> |

SOUND EFFECT

- Selects a sound effect mode by using **SOUND EFFECT**.

On Display	Description
AI SOUND PRO	Analyzes the property of the input sound and provides the sound optimized for the content in real time.
BASS BLAST or BASS BLAST+	Reinforces the bass and powerful sound.
STANDARD	You can enjoy premium sound with MERIDIAN technology.
MOVIE	You can enjoy more immersive and cinematic surround sound.
MUSIC	You can enjoy more good sound for music source.

- ❗ When this unit detects DOLBY ATMOS or DTS:X stream, you cannot change sound effect to any other. In this case, even though you press **SOUND EFFECT**, this unit does not respond. And you can see only "NOT SUPPORTED" on the display window.

- **TV remote:** It allows you to control the volume of this unit by your TV remote control even by other company's product. (Page 30)
To turn on or off the TV Remote function, press and hold **SOUND EFFECT** for about 3 seconds and press it again.

- ❗ Supported TV brands

LG	Panasonic	Philips	Samsung	Sharp	Sony	Toshiba	Vizio
----	-----------	---------	---------	-------	------	---------	-------

🔊 (Sound tuning)

- Adjusts sound level of each speaker.
Select the speaker you want to adjust by using 🔊 and adjust the sound level by using **VOL +/—**.
- ❗ Adjusting rear speakers level is applied only when the rear speakers are connected.
- ❗ See the page 13 for more information of speakers.

Display	Description	Range
WF	Sub Woofer	-15 ~ 6
C	Center	-6 ~ 6
OVC	Overhead Volume Control	-6 ~ 6
R	Rear	-6 ~ 6
TRE	Treble	-5 ~ 5
BAS	Bass	-5 ~ 5

- **Surround sound:** It allows you to enjoy surround sound with rear speakers. (Page 20)
To turn on or off the surround sound, press and hold 🔊 for about 3 seconds and press it again.

F (Function)

- Select the function and input source by pressing **F** repeatedly.

🔇 (Mute)

- Press 🔇 to mute your unit. To cancel it, press 🔇 again.

i (Information)

- You can display various information of the input source by pressing **i**.
 - OPT (Optical)/ARC/HDMI (HDMI IN) : Audio format
 - BT (**Bluetooth**) : Connected **Bluetooth** device name
 - **Auto Power ON/OFF**: It allows the unit to turn on and off automatically by input signals : Optical, LG TV or **Bluetooth** (Page 31)
To turn on or off AUTO POWER function, press and hold **i** for about 3 seconds and press it again.
-

10

*

- This button is not available.
-

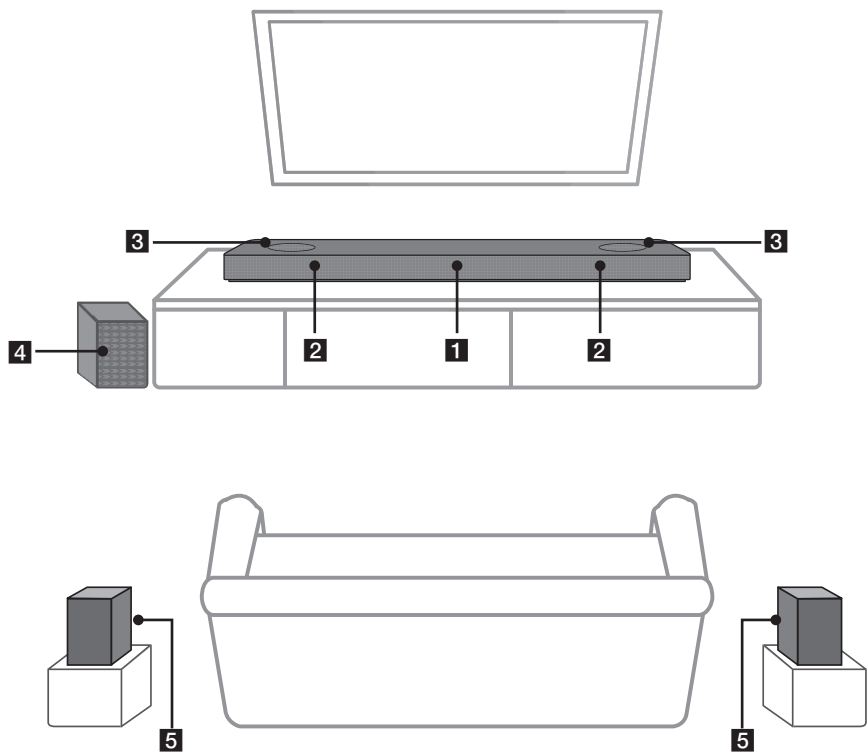
11**n** (Night time)

- It is useful when you want to watch movies at low volume late at night. It makes to reduce the sound intensity and improve fineness and softness.
Press **n** to activate Night time mode. To cancel it, press **n** again.
-

Speakers position

1

Getting Started



1	Center speaker
2	Front speakers
3	Top speakers
4	Subwoofer
5	Rear speakers

! You can enjoy surround sound by using Wireless Rear Speaker kit. Wireless Rear Speakers Kit sold separately (SPK8-S).

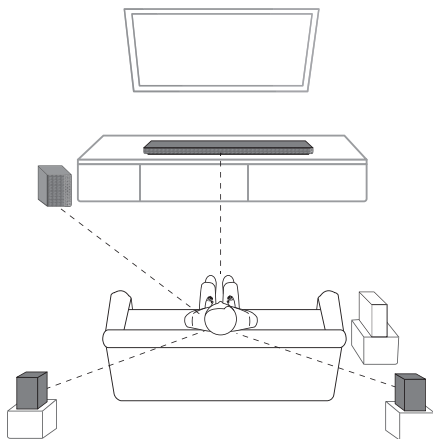
Installing the sound bar

You can hear the sound by connecting the unit to the other device : TV, Blu-ray disc player, DVD player, etc.

Place the unit in front of the TV and connect it to the device you want. (Pages 24 - 30)

You can place the wireless subwoofer anywhere in your room. But it is better to place the subwoofer near the main unit. Turn it slightly toward the center of the room to reduce the wall reflections.

For the best surround sound, place the speakers as shown below.



! Note

- If the sound bar covers the remote sensor of the TV, please separate distance between the sound bar and TV by 10 ~ 15 cm or more.
- The illustration above may differ from actual units.
- You can enjoy surround sound by using Wireless Rear Speaker kit. Wireless Rear Speakers Kit sold separately (SPK8-S).

! Caution

- For best performance of wireless connection such as **Bluetooth** or wireless subwoofer, do not install the unit on Metallic furniture because wireless connection communicates through a module positioned on the bottom of the unit.
- Be careful not to make scratches on the surface of the Unit /Subwoofer when installing or moving them.

Mounting the main unit on a wall

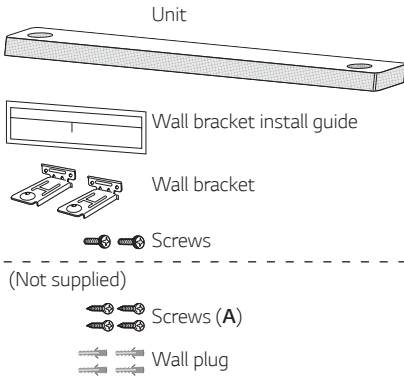
You can mount the main unit on a wall.



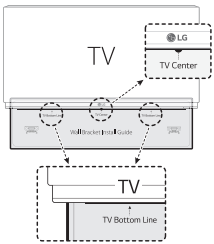
Caution

Because it is difficult to make a connection after installing this unit, you should connect the cables before installation.

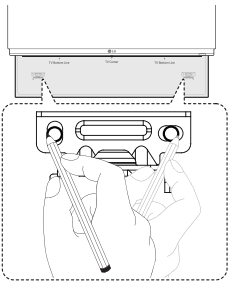
Preparation materials



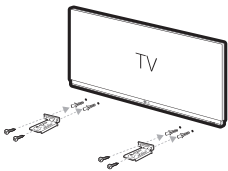
1. Match the TV's BOTTOM EDGE of Wall bracket install guide with the bottom of TV and attach to the position.



2. When you mount it on a wall (concrete), use the wall plugs. You should drill some holes. A guide sheet (Wall bracket install guide) is supplied to drill. Use the sheet to check the point to drill.



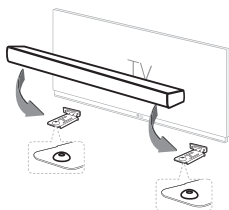
3. Remove the Wall bracket install guide.
4. Fix the brackets with screws (A) as shown in the illustration below.



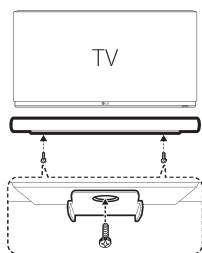
Note

Screws (A) and Wall Plugs are not supplied for mounting the unit. We recommend the Hilti (HUD-1 6 x 30) for the mounting.

5. Put the unit on the brackets to match screw holes on the bottom of the unit.



6. Fix the unit with the screws firmly.



Note

To detach the unit, perform it in reverse order.

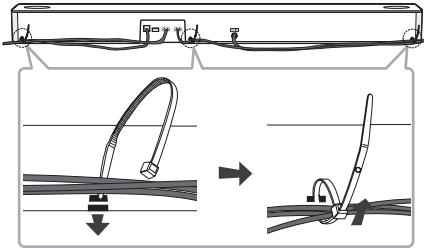
Caution

- Do not install this unit upside down. It can damage the parts of this unit or be the cause of personal injury.
- Do not hang onto the installed unit and avoid any impact to the unit.
- Secure the unit firmly to the wall so that it does not fall off. If the unit falls off, it may result in an injury or damage to the product.
- When the unit is installed on a wall, please make sure that a child does not pull any of connecting cables, as it may cause it to fall.

Organizing cables (Optional)

You can organize the cable with cable ties.

1. Hold the cables together with cable ties as shown below.
2. Tighten cable ties.



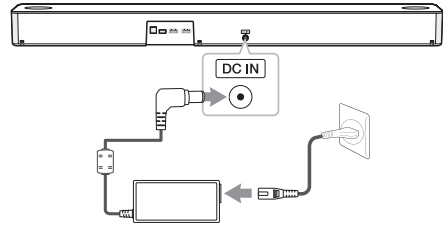
! Note

- After all connections are completed, you can arrange cables as needed.
- Cable ties are not provided.

Connecting the AC Adapter

Connect the unit to the power supply with the supplied AC adapter.

1. Connect the supplied AC power cord to the AC adapter.
2. Connect the AC adapter cable to DC IN adapter input.
3. Plug the AC power cord into an AC outlet.



! Caution

Only use the AC adapter supplied with this device. Do not use a power supply from another device or manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

Wireless subwoofer and rear speaker (Sold Separately) connection

Wireless subwoofer connection

LED indicator of wireless subwoofer

LED Color	Status
Green (Blink)	The connection is trying.
Green	The connection is completed.
Red	The wireless subwoofer is in standby mode or the connection is failed.
Off (No display)	The power cord of wireless subwoofer is disconnected.

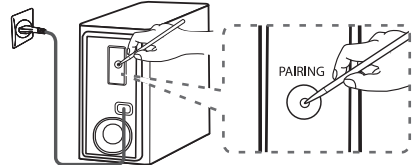
Setting up the wireless subwoofer for the first time

1. Connect the power cord of the sound bar and the wireless subwoofer to the outlet.
2. Turn on the sound bar. The sound bar and the wireless subwoofer will be automatically connected.
 - Green LED on the rear of wireless subwoofer turns on.

Manually pairing wireless subwoofer

When your connection is not completed, you can check red LED on the wireless subwoofer and the wireless subwoofer does not make sound. To solve the problem, follow the steps below.

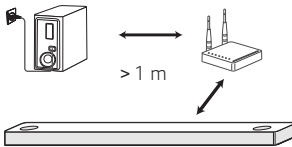
1. Press **PAIRING** on the rear of the wireless subwoofer.



- The green LED on the rear of the wireless subwoofer blinks quickly.
(If the green LED does not blink, press and hold the **PAIRING**.)
2. Turn on the sound bar.
 - Pairing is completed. The green LED on the rear of the wireless subwoofer turns on.

! Note

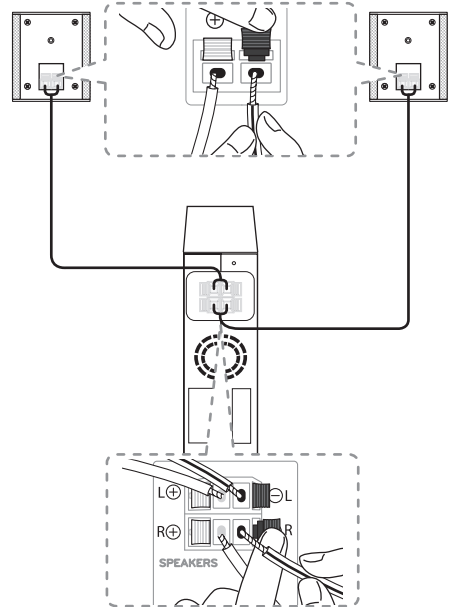
- It takes a few seconds (and may take longer) for the main unit and the subwoofer to communicate with each other and make sounds.
- The closer the main unit and the subwoofer, the better sound quality. It is recommended to install the main unit and the subwoofer as close as possible and avoid the cases below.
 - There is an obstacle between the main unit and the subwoofer.
 - There is a device using same frequency with this wireless connection such as a medical equipment, a microwave or a wireless LAN device.
 - Keep the sound bar and the subwoofer away from the device (ex. wireless router, microwave oven, etc.) over 1 m to prevent wireless interference.



Rear speakers connection (Sold Separately)

Connecting the rear speakers

1. Connect the black stripe wire to the terminal marked - (minus) and the other end to the terminal marked + (plus).



2. Connect the wireless receiver and the rear speakers (left, right) with the speaker cables.

Color	Position
Blue	Rear left
Grey	Rear right

! Note

You need to purchase the wireless rear speakers kit (SPK8-S) to enjoy surround sound.

Caution

- Use the speaker supplied with this unit only. Using any other speaker may cause malfunction.
- Be sure to match the speaker cable to the appropriate terminal on the components: + to + and - to -. If the cables are reversed, the sound will be distorted and will lack bass.

LED indicator of wireless receiver

LED Color	Status
Yellow - green (Blink)	The connection is trying.
Yellow - green	The connection is completed.
Red	The wireless receiver is in standby mode or the connection is failed.
Off (No display)	The power cord of wireless receiver is disconnected.

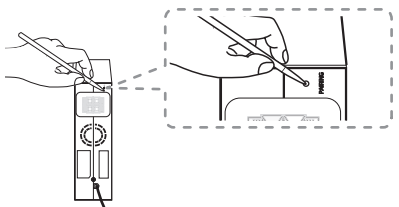
Setting up the wireless receiver for the first time

1. Connect the power cord to the wireless receiver to the outlet.
2. Turn on the main unit : The sound bar and wireless receiver will be automatically connected.
 - Yellow - green LED on the wireless receiver turns on.

Manually pairing wireless receiver

When your connection is not completed, you can see the red LED on the wireless receiver and rear speakers are not made sound. To solve the problem, follow the below steps.

1. Press **PAIRING** on the rear of the wireless receiver.



- The yellow - green LED on the wireless receiver blinks quickly.
2. Turn on the main unit
 - Pairing is completed. The yellow - green LED on the wireless receiver turns on.

Surround sound

You can enjoy magnificent surround sound for all the input sound source with rear speakers.

If you turn on the surround function, the whole speaker outputs sound.

When you turn off the surround function, the speakers output sound as an original input sound channel.

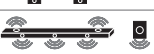
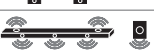
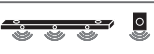
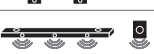
To turn on surround function, press and hold **⏮** on the remote control for about 3 seconds and press it once again while "OFF - SURROUND" is scrolled.

To turn off surround function, press and hold **⏭** on the remote control for about 3 seconds and press it once again while "ON - SURROUND" is scrolled.

Surround function ON

Sound Effect	Input	Output	
		No rear speakers	Rear speakers connected
AI SOUND PRO	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
BASS BLAST or BASS BLAST+	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
STANDARD	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
MOVIE	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
MUSIC	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		

Surround function OFF

Sound Effect	Input	Output	
		No rear speakers	Rear speakers connected
AI SOUND PRO	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
BASS BLAST or BASS BLAST+	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
STANDARD	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
MOVIE	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		
MUSIC	2.0 Ch		
	5.1 Ch		
	7.1 Ch or more		

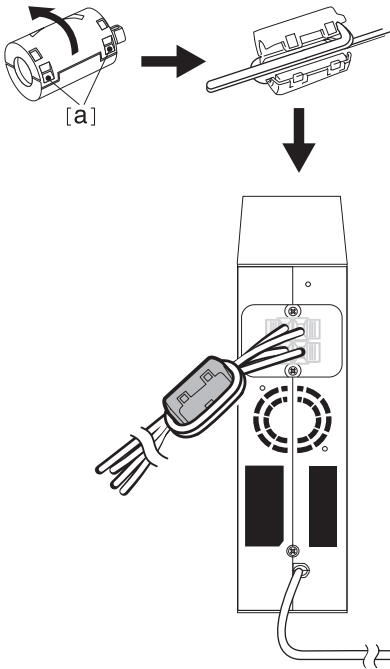
How to Affix the Ferrite Core

Ferrite core may not be provided depending on each nation's regulations.

Affix the Ferrite Core for speaker cables

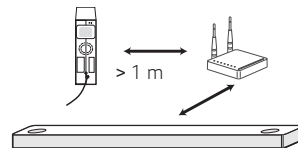
You must affix a ferrite core in order to reduce or eliminate electrical interference.

1. Pull the stopper [a] of the ferrite core to open.
2. Wind the speaker cables around the ferrite core twice.
3. Close the ferrite core until it clicks.



! Note

- If there is a strong electromagnetic wave product nearby, interference may occur. Put the main unit and wireless receiver away from there.
- The wireless receiver will automatically switch to standby mode in a few minutes after the sound bar is turned off. When the wireless receiver is in standby mode, the LED will turn on in red.
- When you turn on the sound bar, the wireless receiver will turn on and the LED will change to yellow - green and then the rear speakers makes sound within a few seconds.
- It takes a few seconds (and may take longer) for the main unit and Wireless Receiver to communicate with each other.
- Use the rear speaker at least 30 cm away from either TV screen or PC monitor.
- When the wireless receiver is being connected or disconnected with the main unit, output sound may be interrupted.
- Set the distance between the sound bar and the wireless receiver as close as possible and keep them away from the device (ex. wireless router, microwave oven, etc.) over 1 m to prevent wireless interference.

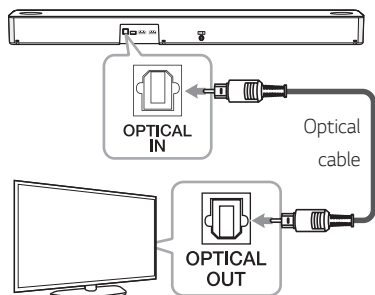


Connecting to your TV

Please connect with this unit and TV using the optical digital cable or HDMI cable considering the state of the TV.

Using an OPTICAL cable

1. Connect the OPTICAL IN jack on the back of the unit to OPTICAL OUT jack on the TV using an OPTICAL cable.



2. Select the input source to OPT/HDMI ARC by pressing **F** repeatedly.

You can see "OPT" on the display window if connecting normally between this unit and your TV.

! Note

- Before connecting the optical cable, be sure to remove the protection plug cover if your cable has the cover.
- You can enjoy the TV audio through the speakers of this unit. In the case of some TV models, you must select the external speaker option from the TV menu. (For details, reference your TV user manual.)
- If this unit is connected by OPTICAL and ARC at the same time, the ARC signal has a higher priority.

LG Sound Sync

Sound Sync Wireless

You can control some functions of this unit by your TV's remote control with LG Sound Sync. It is compatible with the LG TV that is supported LG Sound Sync. Make sure of the LG Sound Sync logo on your TV.

Controllable function by LG TV's remote control :
Volume up/down, mute

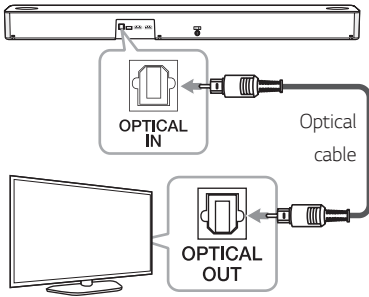
Make one of the following connections, depending on the capabilities of your equipment.

! Note

- You can also use the remote control of this unit while using LG Sound Sync. If you use TV's remote control again, the unit synchronizes with the TV. According to TV Specifications, the volume and mute of this unit synchronize with TV.
- When the connection fails, make sure of the condition of the TV and power.
- Make sure of the condition of this unit and the connection in the cases below when using LG Sound Sync.
 - The unit is turned off.
 - Changing the function to the others.
 - Disconnecting the optical cable.
 - Disconnecting the wireless connection caused by interference or a distance.
- The amount of time to turn off this unit is different depending on your TV when you set AUTO POWER function to ON.

LG Sound Sync with wired connection

1. Connect your LG TV to the unit by using an optical cable.



2. Set up the sound output of TV to listen to the sound through this unit :
(Refer to the TV's instruction manual for the details of LG Sound Sync.)
3. Turn on the unit by pressing .
4. Select the input source to OPT/HDMI ARC by pressing **F** repeatedly.

You can see "LG OPT" on the display window if connecting normally between this unit and your TV.

LG Sound Sync with wireless connection

1. Turn on the unit by pressing .
2. Select the LG TV function by pressing **F** repeatedly.
3. Set up the sound output of TV to listen to the sound through this unit :

"PAIRED" appears on the display window for about 3 seconds and then you can see "LG TV" on the display window if connecting normally between this unit and your TV.
(Refer to the TV's instruction manual for the details of LG Sound Sync.)

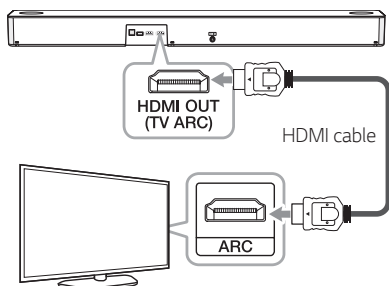
Note

If you turned off the unit directly by pressing  (Power), LG Sound Sync (Wireless) will be disconnected.

Using an HDMI cable

If you connect this unit to a TV that supports HDMI CEC and ARC (Audio Return Channel), you can enjoy the TV audio through the speakers of this unit without connecting the optical cable.

1. Connect the HDMI OUT (TV ARC) jack on the back of the unit to ARC jack on the TV using an HDMI cable.



2. Select the input source to OPT/HDMI ARC by pressing **F** repeatedly.

You can see "ARC" on the display window if connecting normally between this unit and your TV.

! Note

- You can enjoy the TV audio through the speakers of this unit. In the case of some TV models, you must select the external speaker option from the TV menu. (For details, reference your TV user manual.)
- Depending on your LG TV model, you may need to turn on the SIMPLINK function on your LG TV.
- When you return to ARC function from another function, you need to select the input source to OPT/HDMI ARC. Then this unit changes to ARC function automatically.

ARC (Audio Return Channel) function

The ARC function enables an HDMI capable TV to send the audio stream to HDMI OUT of the unit.

To use this function :

- Your TV must support the HDMI-CEC and ARC function and the HDMI-CEC and ARC must be set to On.
- The setting method of HDMI-CEC and ARC may differ depending on the TV. For details about ARC function, refer to your TV manual.
- You must use the HDMI cable (Type A, High Speed HDMI™ cable with Ethernet).
- You must connect the HDMI OUT on the unit with HDMI IN of the TV that supports ARC function using an HDMI cable.
- You can connect only one Sound bar to TV compatible with ARC.

What is SIMPLINK?



Some functions of this unit are controlled by the TV's remote control when this unit and LG TV's with SIMPLINK are connected through HDMI connection.

Controllable functions by LG TV's remote control :
Power on/off, volume up/down, etc.

Refer to the TV owner's manual for the details of SIMPLINK function.

LG TV's with SIMPLINK function has the logo as shown above.

! Note

- Depending on the state of the unit, some SIMPLINK operation may differ from your purpose or not work.
- Depending on a TV or a player which is connected with this unit, SIMPLINK operation may differ from your purpose.

Additional information for HDMI

- When you connect an HDMI or DVI compatible device make sure of the following:
 - Try switching off the HDMI/DVI device and this unit. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this unit.
 - The connected device's video input is set correctly for this unit.
 - The connected device is compatible with 720 x 576p (or 480p), 1280 x 720p, 1920 x 1080i, 1920 x 1080p, 4096 x 2160p or 3840 x 2160p video input.
- Not all HDCP-compatible HDMI or DVI devices will work with this unit.
 - The picture will not be displayed properly with non-HDCP device.

! Note

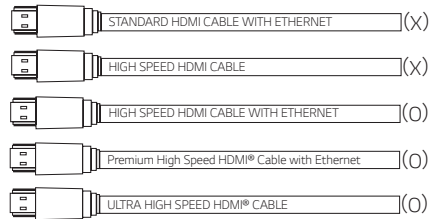
- If a connected HDMI device does not accept the audio output of the unit, the HDMI device's audio sound may be distorted or may not output.
- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When the HDMI connection with HDCP is not verified, TV screen is changed to black screen. In this case, check the HDMI connection, or disconnect the HDMI cable.
- If there are noises or lines on the screen, please check the HDMI cable (length is generally limited to 4.5 m).
- You cannot change the video resolution in the HDMI mode. Change the video resolution of the connected component.
- If the video output signal is abnormal when your personal computer is connected to HDMI IN jack, change the resolution of your personal computer to 576p (or 480p), 720p, 1080i or 1080p.

HDMI cable Checklist

Some HDMI cables have poor signal transmission, which can cause problems with sound and video transmission.

Even after HDMI cable connections, if no sound, sound interrupted, noise occurring from the sound bar and/or no video, no smooth video on your TV, the HDMI cable may be the problem.

Use the cable marked with the premium HDMI certification logo. We recommend using "High Speed HDMI Cable with Ethernet" or later version.



Connection through HDMI Cable*

Your television must support the newest HDMI features (HDMI CEC¹⁾ / ARC (Audio Return Channel)) to fully enjoy the Live broadcasting channel with audio system through an HDMI cable. Unless your TV supports these HDMI features, the audio system should be connected through an OPTICAL cable.

1) HDMI CEC (High-Definition Multimedia Interface Consumer Electronics Control)

Consumer Electronics Control (CEC) is an HDMI feature designed to allow the user to command and control the CEC-enabled devices, that are connected through HDMI by using only one of their remote controls.

*Trade names for CEC are SimpLink (LG) , Anynet+ (Samsung), BRAVIA Sync (Sony), EasyLink (Philips), etc.

Optional equipment connection

DOLBY ATMOS®

What is DOLBY ATMOS®?

Dolby Atmos gives you amazing experience you've never before by overhead sound, and all the richness, clarity, and power of Dolby sound.

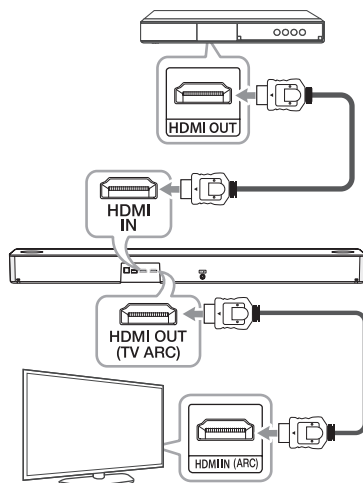
DTS:X®

What is DTS:X®

In the real world, sound is all around us, moving freely in any direction. DTS:X® is immersed in this natural, multi-dimensional sound experience as we go about our daily lives.

For using DOLBY ATMOS® and DTS:X®

- To enjoy content containing Dolby Atmos® and DTS:X®, the connected device and content must support Dolby Atmos® and DTS:X®.
- DOLBY ATMOS® is available only in HDMI and ARC mode.
- DTS:X® is available only in HDMI and ARC mode.
- It is needed to set up an audio output on external devices (Blu-ray disc player, TV etc.) to "No encoding" such as "Bitstream," "Auto" or "Bypass."
 - If you can select audio output sampling rate, set it to 192 kHz.
- If your TV does not support DTS sound source, connect the playback (source) device to the HDMI IN or OPTICAL IN jack on the soundbar to listen to DTS audio.



1. Connect HDMI IN jack on the back of the unit to HDMI OUT jack on the external device such as Blu-ray disc player, DVD player, etc.
2. Connect HDMI OUT (TV ARC) jack on the back of the unit to HDMI IN (ARC) jack on the TV.
3. Select the input source to HDMI or OPT/HDMI ARC by pressing **F** repeatedly.
 - If you select HDMI, you can hear the sound from the external device. Select it when playing the external device.
 - If you select OPT/HDMI ARC, you can hear the sound from your TV. Select it when watching the TV.

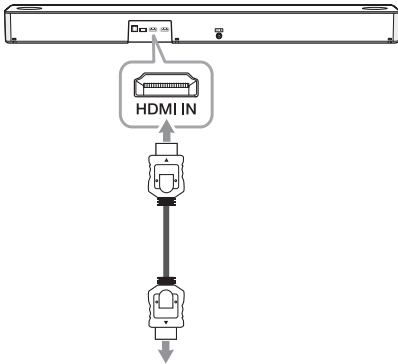
You can see "DOLBY ATMOS" or "DTS:X" on the display window if connecting normally between this sound bar and your TV and the contents is played.

! Note

- DOLBY ATMOS®/DTS:X® supports 3.1.2 channel. (5.1.2 channel when it connected with Rear kit)
- If the sound bar does not have sound or the video on TV is not smooth, the HDMI cable may be the problem. Refer to the HDMI cable checklist. (Page 27)

HDMI IN connection

You can enjoy the sound from the external device which is connected to HDMI IN jack on this unit.

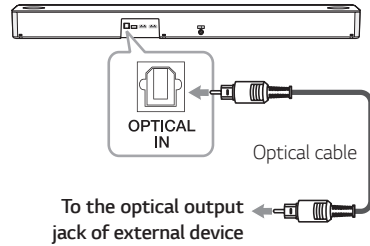


To the Blu-ray disc player,
DVD player, etc.

1. Connect HDMI IN jack on the back of the unit to HDMI OUT jack on the audio device such as Blu-ray disc player, DVD player, etc.
2. Select the input source to HDMI by pressing **F** repeatedly.

OPTICAL IN connection

Connect an optical output jack of external devices to the OPTICAL IN jack.



1. Connect the OPTICAL IN jack on the back of the unit to optical out jack of your external device.
2. Select the input source to OPT/HDMI ARC by pressing **F** repeatedly.

You can see "OPT" on the display window if connecting normally between this unit and your device.

! Note

Before connecting the optical cable, be sure to remove the protection plug cover if your cable has the cover.

! Caution

Make sure to properly align and connect the optical cable; improper alignment may cause damage to the jack.



Optical jack



Optical cable



Optical jack



Optical cable

<O>

<X>

Other operations

Using your TV remote control

You can control some functions of this unit by your TV remote control even by other company's product. Controllable functions are volume up/down and mute.

Press and hold **SOUND EFFECT** on the remote control for about 3 seconds. "ON - TV REMOTE" appears and you can control this unit by your TV remote control.

To check the status of this function, press and hold **SOUND EFFECT** on the remote control.

To turn off this function, press and hold **SOUND EFFECT** on the remote control and press it once again while "ON - TV REMOTE" is scrolled.



Note

- Make sure that the sound output of your TV is set to [External speaker].
- This function does not operate on LG TV's magic remote control.
- This function may not work well when some TV control functions such as HDMI CEC, SIMPLINK and LG Sound Sync set to ON.
- This function may not work well when the unit and the TV are connected with an HDMI cable.
- Some remote control may not be supported.

How to disconnect the wireless network connection or the wireless device

Set up the AUTO POWER ON/OFF function to off and turn off the unit.

AUTO POWER On/Off

This unit automatically turns on by an input source : Optical, LG TV or **Bluetooth**.

When you turn on your TV or an external device connected to this unit, this unit recognizes the input signal and selects the suitable function. You can hear the sound from your device.

If you try to connect your **Bluetooth** device, this unit turns on and the unit will be connected to your **Bluetooth** device.

To turn on this function, press and hold ⓘ on the remote control for about 3 seconds and press it once again while "OFF - AUTO POWER" is scrolled.

To check the status of this function, press and hold ⓘ on the remote control.

To turn off this function, press and hold ⓘ on the remote control for about 3 seconds and press it once again while "ON - AUTO POWER" is scrolled.

! Note

- After the unit is turned on by AUTO POWER function, it will be automatically turned off if there is no signal for a certain period of time from the TV connected by LG Sound Sync (Optical/Wireless).
- After the unit is turned on by AUTO POWER function, it will be automatically turned off if there is no signal for a certain period of time from the external device.
- If you turned off the unit directly, it cannot be turned on automatically by AUTO POWER function. However the unit can be turned on by AUTO POWER function when optical signal comes in after 5 seconds of no signal.
- Depending on the connected device, this function may not operate.
- If you disconnect **Bluetooth** connection by this unit, some **Bluetooth** devices try to connect to the unit continually. Therefore it is recommended to disconnect the connection before turning off the unit.
- When you turn on this unit for the first time, status of Auto Power function is turned on.
- To use this function, the main unit must be registered in paired devices list of **Bluetooth** device.
- You can set the AUTO POWER function only when this unit is turned on.

Auto function change

This unit recognizes input signals such as Optical, HDMI ARC, **Bluetooth** and LG TV and then changes suitable function automatically.

When optical signal comes in

When you turn on the external device connected to this unit by an optical cable, this unit changes the function to optical. You can hear the sound from your device.

When you try to connect BLUETOOTH device

When you try to connect your Bluetooth device to this unit, Bluetooth function is selected. Play your music on the Bluetooth device.

When you turn on your TV or an external device

When you turn on your TV or an external device connected by the optical, LG sound sync (optical or wireless) or HDMI ARC this sound bar will change to a suitable function so you can listen to the sound through it.

! Note

- This unit does not change the function to optical if SIMPLINK of the connected TV, Blu-ray disc player, set-top box or etc. device set to on or connected CEC supported device is turned on.
If you want to use the auto function change, turn off SIMPLINK function on your LG TV. It takes for about 30 seconds to turn off SIMPLINK.
- If the **Bluetooth** connection lock function is set, **Bluetooth** connection will be only available on **Bluetooth** and LG TV function. (Page 35)

Quick Start

This unit can stay in standby mode with low power consumption, so that the unit can reduce boot time when you turn on this unit.

To turn on this function, press  on the unit for 3 seconds when the unit is turned on.

"ON - Q. START" appears in display.

To turn off this function, press  on the unit for 3 seconds again when the unit is turned on.

"OFF - Q. START" appears in display.

! Note

- If the Quick start function is set and an AC power is accidentally re-connected to the unit by power failure etc., the Quick start function will activate when the unit is turned on and off once.
- When the Quick start function is set, power consumption will be higher than when the Quick start is off.
- This function may not work depending on the models.

Using a BLUETOOTH Wireless Technology

About Bluetooth

Bluetooth is wireless communication technology for short range connection.

The sound may be interrupted when the connection interfered by the other electronic wave or you connect the **Bluetooth** in the other rooms.

Connecting individual devices under **Bluetooth** wireless technology does not incur any charges. A mobile phone with **Bluetooth** wireless technology can be operated via the Cascade if the connection was made via **Bluetooth** wireless technology.

- Available Devices : Smart phone, MP3, Notebook, etc.
- Version: 4.0
- Codec: SBC, AAC

Bluetooth profiles

In order to use **Bluetooth** wireless technology, devices must be able to interpret certain profiles. This unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

Listening to Music of a Bluetooth Device

Before you start the pairing procedure, make sure that the **Bluetooth** feature on your smart device is turned on. Refer to your **Bluetooth** device's user guide. Once a pairing operation is performed, it does not need to be performed again.

1. Select the **Bluetooth** function by pressing **F** repeatedly.
Appears "BT" and then "READY" in display window.
2. Operate the **Bluetooth** device and perform the pairing operation. When searching for this unit on your **Bluetooth** device, a list of the devices found may appear in the **Bluetooth** device display depending on the type of **Bluetooth** device. Your unit appears as "LG SN7Y(XX)".
3. Select the "LG SN7Y(XX)".

! Note

- XX means the last two digits of address. For example, if your unit has a MAC address such as 9C:02:98:4A:F7:08, you will see "LG SN7Y(08)" on your **Bluetooth** device.
- Depending on the **Bluetooth** device type, some devices have a different pairing way. For details about **Bluetooth** pairing, refer to your **Bluetooth** device manual.

4. When this unit is successfully connected with your **Bluetooth** device, "PAIRED" → your device's name → "BT" appears on the display window.

! Note

- If it is unavailable to display device name on the unit, "-" will be displayed.
- To check the connected device's name, press **Ⓢ** on the remote control. The connected **Bluetooth** device's name is displayed.

5. Listen to music.

To play music in your **Bluetooth** device, refer to your **Bluetooth** device's user guide.

! Note

- When using **Bluetooth** technology, you have to make a connection between the unit and the **Bluetooth** device as close as possible and keep the distance.
However it may not work well in the case below :
 - There is an obstacle between the unit and the **Bluetooth** device.
 - There is a device using same frequency with **Bluetooth** technology such as a medical equipment, a microwave or a wireless LAN device.

! Note

- If **Bluetooth** connection does not work well, try pairing it again.
- The sound may be interrupted when the connection has interference by the other electronic waves.
- Pairing is limited to one **Bluetooth** device per unit and multi-pairing is not supported.
- Depending on the type of the device, you may not be able to use the **Bluetooth** function.
- You can enjoy **Bluetooth** function using smart phone, MP3, Notebook, etc..
- The more distance between the unit and the **Bluetooth** device, the lower the sound quality becomes.
- **Bluetooth** connection will be disconnected when the unit is turned off or the **Bluetooth** device gets too far from the unit.
- When **Bluetooth** connection is disconnected, connect the **Bluetooth** device to the unit again.
- When the unit is not connected, "READY" appears in the display window.
- When you connect **Bluetooth** device (iOS device etc.) to this unit or operate the device, the volume level can be synchronized with each other.
- If you change to another function after connecting **Bluetooth**, **Bluetooth** connection will be disconnected. And you return to **Bluetooth** function, **Bluetooth** connection will be connected automatically.

Controls connected Bluetooth device

You can control the connected Bluetooth device from the unit; play, pause, skip, volume.

! Note

- Only Android OS and iOS is available to use this function.
- This function may not be supported depending on the Bluetooth device or some of TV operated differently.

Bluetooth connection lock (BT LOCK)

You can limit **Bluetooth** connection to only BT (**Bluetooth**) and LG TV function to prevent unintended **Bluetooth** connection.

To turn on this function, press and hold **DI** on the remote control for about 3 seconds in BT (**Bluetooth**) function and press it once again while "OFF - BT LOCK" is scrolled. Then you can limit **Bluetooth** connection.

To turn off this function, press and hold **DI** on the remote control for about 3 seconds in BT (**Bluetooth**) function and press it once again while "ON - BT LOCK" is scrolled.

! Note

Even if you set up BT LOCK function to On, this sound bar turns on by Auto Power function. Turn off Auto Power function to prevent it. (Page 31)

Using BLUETOOTH App

! Note

- Only Android OS is available to use "LG Sound Bar" app with this unit.
- Additional data charges may apply according to your internet environment or mobile plan.

About "LG Sound Bar" App

"LG Sound Bar" app brings a suite of new features to this unit.

To enjoy more features, you are recommended to download and install free "LG Sound Bar" app.

Install "LG Sound Bar" App onto Your BLUETOOTH Device

There are two ways to install "LG Sound Bar" app onto your **Bluetooth** device.

Install "LG Sound Bar" App through QR code

1. Install "LG Sound Bar" app through QR code. Use the scanning software to scan the QR code.



2. Tap an icon for installation.

! Note

- Make sure that your **Bluetooth** device is connected to the Internet.
- Make sure that your **Bluetooth** device has a scanning software application. If you don't have one, download one from "Google Android Market (Google Play Store)".
- Depending on area, QR code may not work.

Install “LG Sound Bar” App through “Google Android Market (Google Play Store)”

1. Tap the “Google Android Market (Google Play Store)” icon.
2. In the search bar, type in the “LG Sound Bar” and search it.
3. In the search result list, find and tap “LG Sound Bar” to start downloading Bluetooth app.

! Note

- Make sure that your **Bluetooth** device is connected to the Internet.
- Make sure that your **Bluetooth** device is equipped with “Google Android Market (Google Play Store)”.

Activate BLUETOOTH with “LG Sound Bar” App

“LG Sound Bar” app helps to connect your **Bluetooth** device to this unit.

1. Tap “LG Sound Bar” app icon on the home screen to open “LG Sound Bar” app, and go to the main menu.
2. If you want to get more information to operate, tap [Setting] and tap [Help] menu.

! Note

- “LG Sound Bar” app will be available in the software version as follow;
 - Android O/S : Ver 5.0 (or later)
- If you use “LG Sound Bar” app for operation, there would be some differences between “LG Sound Bar” app and the supplied remote control. Use the supplied remote control as necessary.
- Depending on the **Bluetooth** device, “LG Sound Bar” app may not work.
- After connection of “LG Sound Bar” app, music may be output from your device. In this case, try connecting procedure again.
- If you operate the other applications or change the settings on your **Bluetooth** device while using “LG Sound Bar” app, “LG Sound Bar” app may operate abnormally.
- When “LG Sound Bar” app operates abnormally, check your **Bluetooth** device and the connection of “LG Sound Bar” app and then try to connect again.
- Depending on the smart phone's operating system, you have some differences for “LG Sound Bar” operation.
- Even though **Bluetooth** connection will be disconnected, you can use “LG Sound Bar” app when you change the function.
- Additional features offered by “LG Sound Bar” app may not work depending on the distance between this unit and **Bluetooth** device and wireless conditions.

Troubleshooting

General

Symptoms	Cause & Solution
The unit does not work properly.	- Turn off the power of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and turn them on again. - Disconnect the power cord of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and then try connecting again. - Previous setting may not be saved when device power is shut off.
No Power	- The power cord is unplugged. Plug in the power cord. - Check whether electricity failed. Check the condition by operating other electronic devices.
No sound	- Incorrect input source is selected. Check the input source and select the correct input source. - The mute function is activated. Press  (Mute) or adjust the volume level to cancel the mute function. - When you are using connection with a external device (set top box, Bluetooth device etc.), adjust volume level of the device.
No woofer sound	- The power cord of the subwoofer is not connected. Plug the power cord into the wall outlet securely. - Pairing between the unit and the subwoofer gets disconnected. Connect the unit and the subwoofer. (Page 18)
The remote control does not work properly.	- The remote control is too far from the unit. Operate the remote control within about 7 m. - There is an obstacle in the path of the remote control and the unit. Remove the obstacle. - The batteries in the remote control is exhausted. Replace the batteries with new one.
The AUTO POWER function does not work.	- Check connection of the external device such as TV, DVD/Blu-Ray player or Bluetooth device. - Check the state of SIMPLINK on your LG TV and turn off SIMPLINK. - Depending on the connected device, this function may not operate.
LG Sound Sync does not work.	- Check whether your LG TV supports LG Sound Sync. - Check connection of LG Sound Sync (Optical or wireless). - Check sound setting of your TV and this unit.

Symptoms	Cause & Solution
The unit does not connect with Bluetooth device	• Turn off the Bluetooth connection lock function. (Page 35)
When you feel the output sound of the unit is low.	Check the details below and adjust the unit according to them. • With the sound bar connected with TV, change the AUDIO DIGITAL OUT setting on TV Setup Menu from [PCM] to [AUTO] or [BITSTREAM]. • With the sound bar connected with Player, change the AUDIO DIGITAL OUT setting on Player Setup Menu from [PCM] to [PRIMARY PASS-THROUGH] or [BITSTREAM]. • Change Audio DRC setting on connected device setup menu to [OFF] state. • Make sure Night time mode is not On. Turn [OFF] Night time mode.

NOTES to use wireless

Symptoms	Cause & Solution
This device may have wireless interference.	• Wireless may not operate normally in weak signal area. • Please install the device close enough to wireless subwoofer. • Do not install the device on metal furniture for optimum performance.
Bluetooth device may malfunction or make noise in the following cases.	• When any part of your body contact the transceiver of the Bluetooth device or sound bar. • When there is an obstacle or wall or the device is installed in a secluded spot. • When there is a device (a wireless LAN, a medical equipment or a microwave) using same frequency, make the distance between the products as far away as possible each other. • When connecting the device to the Bluetooth device, make the distance between the products as close as possible each other. • When the device gets too far from the Bluetooth device, the connection is disconnected and also malfunction may occur.

NOTES to release Demo mode

Symptoms	Cause & Solution
Can not change input source with F such as BT (Bluetooth), HDMI etc. and only [DEMO] indication is showing in the front display.	Unplug the power cord and plug it in again. If that doesn't work, after setting the volume to 2, press and hold F (About 5 seconds) on the main unit until the display indicates current selected function.
Remote Control does not work. (No response)	

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Specifications

General	
Power consumption	Refer to the main label on the unit.
	Networked standby : 1.0 W (If all network ports are activated.)
AC adapter	• Model : DA-50F25 • Manufacturer : Asian Power Devices Inc. • Input : 100 - 240 V ~ 50 - 60 Hz • Output : 25 V  2 A
Dimensions (W x H x D)	Approx. 890.0 mm x 65.0 mm x 119.0 mm With foot
Operating temperature	5 °C to 35 °C
Operating humidity	5 % to 90 %
Available Digital Input Audio Sampling Frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 192 kHz
Available Digital Input Audio format	Dolby Atmos, Dolby Audio, DTS:X, DTS-HD, PCM

Input/Output	
OPTICAL IN	3 V (p-p), Optical jack x 1
HDMI IN	19 Pin (Type A, HDMI™ connector) x 1
HDMI OUT	19 Pin (Type A, HDMI™ connector) x 1 4K Sources dependent on HDCP 2.3 are supported at 4K resolutions.

Amplifier (RMS Output)	
Total	380 W RMS
Front	30 W RMS x 2 (4 Ω at 1 kHz, THD 10 %)
Center	30 W RMS (4 Ω at 1 kHz, THD 10 %)
Top	35 W RMS x 2 (4 Ω at 1 kHz, THD 10 %)
Subwoofer	220 W RMS (3 Ω at 80 Hz, THD 10 %)

Wireless subwoofer	
Power requirements	Refer to the main label on the subwoofer.
Power consumption	Refer to the main label on the subwoofer.
Type	1 Way 1 Speaker
Impedance	3 Ω
Rated Input Power	220 W RMS
Max. Input Power	440 W RMS
Dimensions (W x H x D)	Approx. 180.0 mm x 394.0 mm x 290.0 mm

SPK8-S (SPK8-S, S78S1-S), Sold Separately

Wireless receiver	
Power requirements	Refer to the main label on the wireless receiver.
Power consumption	Refer to the main label on the wireless receiver.
Rear	70 W RMS x 2 (3 Ω at 1 kHz, THD 10 %)
Dimensions (W x H x D)	Approx. 60.0 mm x 220.0 mm x 175.0 mm

Rear speakers (Each)	
Type	1 Way 1 Speaker
Impedance	3 Ω
Rated Input Power	70 W RMS
Max. Input Power	140 W RMS
Dimensions (W x H x D)	Approx. 100.0 mm x 140.0 mm x 100.0 mm

- Designs and specifications are subject to change without prior notice.

Handling the unit

When shipping the unit

Please save the original shipping carton and packing materials. If you need to ship the unit, for maximum protection, re-pack the unit as it was originally packed at the factory.

Keeping the exterior surfaces clean

- Do not use volatile liquids such as insecticide spray near the unit.
- Wiping with strong pressure may damage the surface.
- Do not leave rubber or plastic products in contact with the unit for a long period of time.

Cleaning the unit

To clean the unit, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, benzine, or thinner, as these might damage the surface of the unit.

