LG
Life's Good

OWNER'S MANUAL

MUSIC flow SJ9

SMART Hi-Fi AUDIO

Wireless Multi-room Sound Bar

Please read this manual carefully before operating your set and retain it for future reference.
To view the instructions of advanced features, visit http://www.lg.com and then download Owner's Manual. Some of the content in this manual may differ from your unit.

MODEL
SJ9 (SJ9, SPJ9B-W)

www.lg.com

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Safety Information

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

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 shall be 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.

This device is equipped with a portable battery or accumulator.

Safety way to remove the battery from the equipment: Remove the old battery or battery pack, follow the steps in reverse order than the assembly. To prevent contamination of the environment and bring on possible threat to human and animal health, the old battery or the battery put it in the appropriate container at designated collection points. Do not dispose of batteries or battery together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators. The battery should not be exposed to excessive heat such as sunshine, fire or the like.

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).
ϟ	Refers to dangerous voltage.

Table of Contents

1 Getting Started

2 Safety Information
6 Main Features
6 Introduction
7 Remote control
8 Front panel
8 Rear panel
9 Installing the sound bar
9 Mounting the main unit on a wall

2 Connecting

11 Organizing cables
11 Wireless subwoofer connection
12 Connecting to your TV
12 – Using an OPTICAL cable
13 – LG Sound Sync
14 – Using an HDMI cable
15 – ARC (Audio Return Channel) function
15 – What is SIMPLINK?
16 – Additional information for HDMI
17 Optional equipment connection
17 – DOLBY ATMOS®
18 – HDMI connection
18 – OPTICAL IN connection
19 – PORTABLE IN connection
20 Initial Multi-Room Setup
20 – Wired connection (Music Flow Mesh Network Connection)
20 – Wireless connection (Standard Wireless Connection)
20 Installing “Music Flow Player” App
21 – Starting with Music Flow Player app
22 Connecting the speaker to your Home Network
22 – Simple Connection (EZ Setup)
23 – Connecting the speaker to your network with a LAN cable
25 – Connecting the speaker to your Network via the Wi-Fi Setup Method (Android)
28 – Connecting the speaker to your Network via the Wi-Fi Setup Method (iOS)
31 Connecting the speakers to your Home Network (Additional)
31 – Connecting the additional speaker to your network with a LAN cable
33 – Connecting the additional speaker to your network via the Wi-Fi Setup Method
35 Using the Bridge
35 – Use as a root device (wired to the home router)
37 – Use as a wireless extender
38 Using Media Server for PC
38 – Music Flow PC Software for windows

3 Operating

40 Enjoying the Music with Music Flow Player app
40 – Overview of Home menu
41 – Overview of the side menu
42 – Playing a song
43 – Overview of Playback
45 Different ways of listening to music
45 – Group Playback
46 – Surround Sound Mode (Home Cinema Mode)
48 – Seamless playback
49 Setting the Speaker with Music Flow Player app
49 – Overview of setting menu
49 – [General] Menu
50 – [Speakers] Menu
51 – [Alarms/Sleep Timer] Menu
51 – [Account management] Menu
51 – [Time Zone] Menu
52 – [Advanced Settings] Menu
54 – [Chromecast] Menu
54 – [Version Info.] Menu
54 – [Open source licenses] Menu
55 Using a BLUETOOTH Wireless Technology
55 – About BLUETOOTH
55 – BLUETOOTH profiles
55 – Listening to Music of a BLUETOOTH Device
57 – BLUETOOTH connection lock (BT LOCK)
57 Other operations
57 – Using your TV remote control
57 – AV Sync
58 – Turn off the sound temporarily
58 – Sleep timer setting

58 – Auto display Dimmer
58 – Displaying input source information
58 – Auto power down
58 – AUTO POWER On/Off
59 – Auto function change
60 Sound adjustment
60 – Adjust volume level automatically
60 – Adjust the Treble/Bass/Subwoofer
60 – Night mode
61 Standby mode
61 – Standby mode
61 – Network standby mode
61 – BLUETOOTH standby mode
61 Reset the Speaker
61 – Resetting the speaker

4 Troubleshooting

62 Troubleshooting
62 – General
63 – Network
64 – Application and PC Software
64 – NOTES to use wireless
65 – NOTES to release Demo mode

5 Appendix

66 File requirement
66 Trademarks and licenses
67 Specifications
69 Handling the Speaker
69 Important Information Relating to Network Services
70 TERMS OF USE

Some of the content in this manual may differ from Music Flow Player app depending on the application's version.

Main Features

Made for iPod/iPhone/iPad or Android device

Enjoys music from iPod/iPhone/iPad or Android device with simple connection.

LG Sound Sync

Controls volume level of this unit by the remote control of your LG TV that is compatible with LG Sound Sync.

Music Flow Player application

Listens to music stored on your smart device.

You can control this speaker with your iPod touch/iPhone/iPad or Android device via Music Flow Player app. This speaker and your smart device must be connected to the same network. Visit Apple "App Store" or Google "Play Store" or use the QR code shown below to search for "Music Flow Player" app. For detailed information, refer to page 20.

(Android OS) (Apple iOS)

- Depending on the application's version and the settings of smart device, Music Flow Player app may not be operated normally.
- Some smart devices may not be compatible with this speaker.

BLUETOOTH®

Listens to music stored on your **Bluetooth** device.

Introduction

Symbol used in this manual

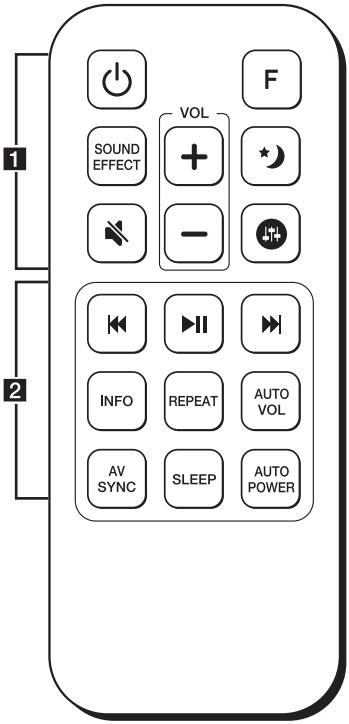
Note

Indicates special notes and operating features.

Caution

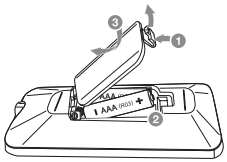
Indicates cautions for preventing possible damages from abuse.

Remote control



Replacement of Battery

Remove the battery cover on the rear of the remote control, and insert the battery with ⊕ and ⊖ matched correctly.



1

⏻ (Power) **:** Switches the unit ON or OFF.

F : Selects the function and the input source.

Input source / Function	Display
Wi-Fi	WI-FI
Optical ARC LG Sound Sync (Wired)	OPT/HDMI ARC
Bluetooth	BT
LG Sound Sync (Wireless)	LG TV
HDMI IN	HDMI IN
Portable	PORTABLE

SOUND EFFECT : Selects a sound effect mode.

(Mute) **:** Mutes the sound.

: Set Night mode to On to reduce the sound intensity and improve fineness and softness.

: Adjusts sound level of Treble, Bass and Subwoofer. (Page 60)

VOL +/— : Adjusts speaker volume.

2

⏮ / ⏭ (Skip) **:** Skips Fast backward or Forward.

⏯ (Play/Pause) **:** Starts playback. / Pauses playback.

INFO :
- Displays the input source information.
- Displays the connected **Bluetooth** device name on **Bluetooth** function.

REPEAT : Listen to your music repeatedly.

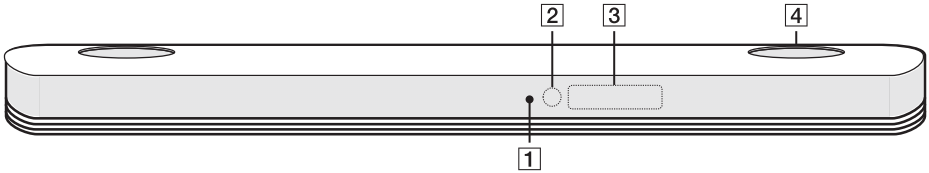
AUTO VOL : Turns on or off the AUTO VOLUME mode.

AV SYNC :
- Synchronizes the audio and video.
- Controls TV remote. (Page 57)

SLEEP : Sets the system to turn off automatically at a specified time.

AUTO POWER :
- Turns on or off AUTO POWER function. (Page 58)
- Turns on or off the **Bluetooth** connection lock. (Page 57)

Front panel



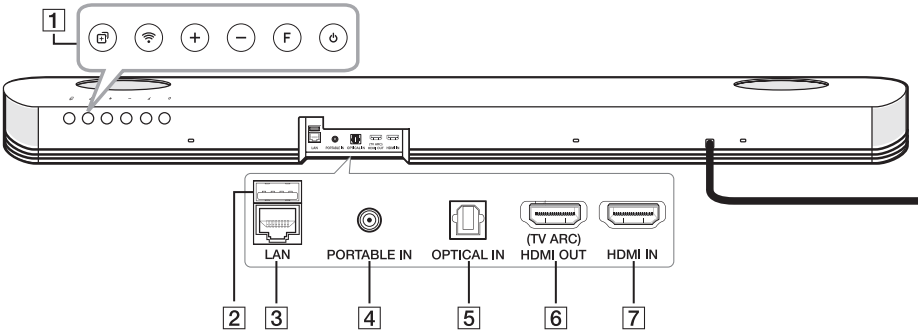
1 LED indicator
Shows connection status.

2 Remote sensor

3 Display window

4 **The buttons are located on the rear.**

Rear panel



1 ⏻ **(Standby)**

F (Function): Selects the function and input source. (WI-FI, OPT/HDMI ARC, BT, LG TV, HDMI IN, PORTABLE)

- / + (Volume)

(Wi-Fi): Connects initial Music Flow product to your network wirelessly.

(Add): Adds the additional Music Flow product to your network.
(In case that one or more Music Flow product is connected.)

2 **USB (Service only) :** S/W download connector

3 **LAN port**

4 **PORTABLE IN connector**

5 **OPTICAL IN connector**

6 **HDMI OUT (TV ARC) :** Connect to HDMI IN (ARC) on TV.

7 **HDMI IN**

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. (Refer to pp. 12 - 33)

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.

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.

Note

For the convenient button usage, it is recommended to take some distance between the soundbar and your TV when you install the sound bar.

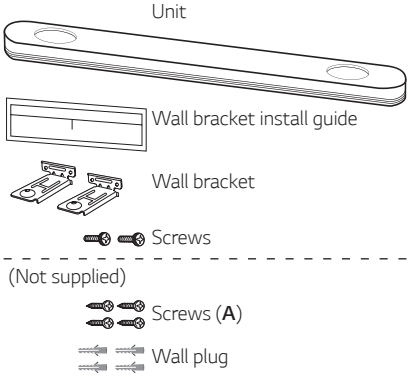
Mounting the main unit on a wall

You can mount the main unit on a wall.

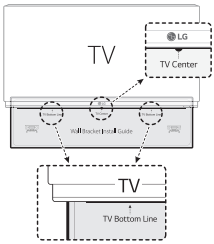
Caution

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

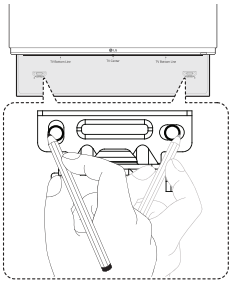
Preparation materials



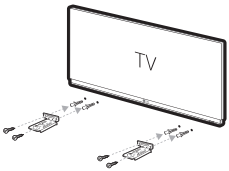
1. Match the TV's BOTTOM EDGE of Wall bracket install guide with the bottom of TV and attach to the position.



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.



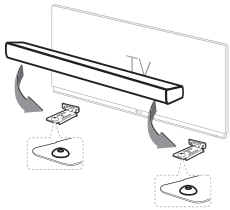
3. Remove the Wall bracket install guide.
4. Fix the brackets with screws (**A**) as shown in the illustration below.



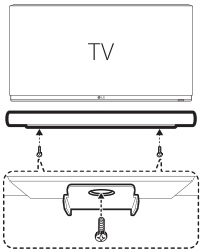
Note

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.

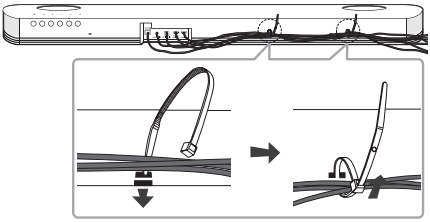
Caution

- 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

You can organize the cable with cable ties.

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



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.

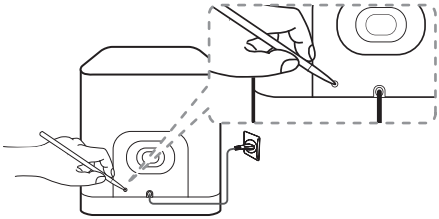
Setting up the wireless subwoofer for the first time

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.

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.

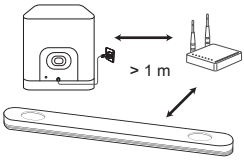
1. Press **Pairing** button on the rear of the wireless subwoofer.



   - The green LED on the front of the wireless subwoofer blinks quickly.
2. Turn on the sound bar.
3. Pairing is completed.
   - The green LED on the front 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.

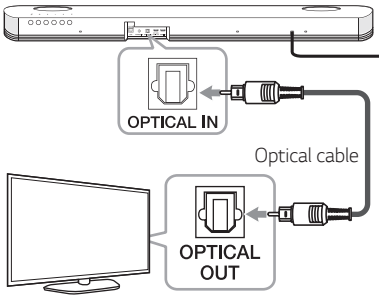


Connecting to your TV

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** button on the remote or unit repeatedly.

   You can see "OPTICAL" 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.)
- Set up the sound output of TV to listen to the sound through this unit :
  TV setting menu → [Sound] → [TV Sound output] → [External speaker (Optical)]
- Details of TV setting menu vary depending on the manufacturers or models of your TV.
- If this unit is connected by OPTICAL and ARC at the same time, the ARC signal is a high priority.

LG Sound Sync

Sound Sync

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

Refer to the TV's instruction manual for the details of LG Sound Sync.

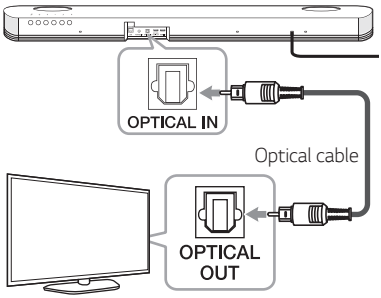
Make one of the following connections, depending on the capabilities of your equipment.

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.
- 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.
- The amount of time to turn off this unit is different depending on your TV when you set AUTO POWER function to ON.

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 :
   TV setting menu → [Sound] → [TV Sound output] → [LG Sound Sync (Optical)]
3. Turn on the unit by pressing ⏻ on the remote control or ⏻ on the unit.
4. Select OPT/HDMI ARC function by using **F** on the remote control or **F** on the unit until the function is selected.

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

Note

Details of TV setting menu vary depending on the manufacturers or models of your TV.

With wireless connection

1. Turn on the unit by pressing ⏻ on the remote control or ⏻ on the unit.
2. Select LG TV function by using **F** on the remote control or **F** on the unit until the function is selected.
3. Set up LG Sound Sync (Wireless) on the TV. Refer to the TV's instruction manual.

   "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.

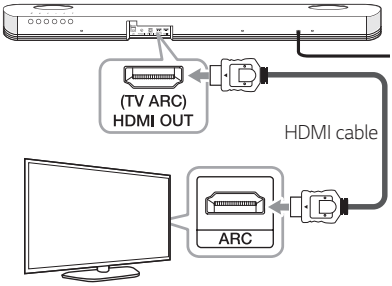
Note

- If you turned off the unit directly by pressing ⏻ (Power), LG Sound Sync (Wireless) will be disconnected.
- If your TV and this unit are connected through LG Sound Sync (Wireless), this unit will be Network standby mode regardless of the status of network connection when this unit is turned off. Check dimmed white LED on the unit.

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** button on the remote or unit 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.)
- Set up the sound output of TV to listen to the sound through this unit :
  TV setting menu → [Sound] → [TV Sound output] → [External speaker (HDMI ARC)]
- Details of TV setting menu vary depending on the manufacturers or models of your TV.
- 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 player. Next, switch on the HDMI/DVI device and leave it for around 30 seconds, then switch on this player.
  - 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 3080 x 2160p video input.
- Not all HDCP-compatible HDMI or DVI devices will work with this player.
  - The picture will not be displayed properly with non-HDCP device.

Note

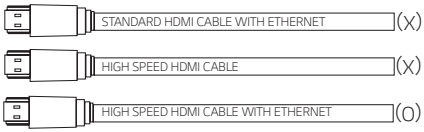
- If a connected HDMI device does not accept the audio output of the player, the HDMI device's audio sound may be distorted or may not output.
- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the player and then turn 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(15 ft).
- You cannot change the video resolution in the HDMI IN 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. Also make sure that the your using cable is a certified Type A, Ethernet high-speed HDMI™ cable.



Connection through HDMI Cable*

Your television must support the newest HDMI features (HDMI CEC[1)] / 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

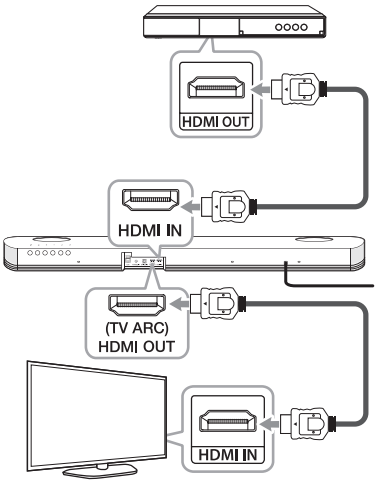
DOLBY ATMOS®

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.

For using DOLBY ATMOS®

- DOLBY ATMOS® is available only in HDMI IN and ARC mode.
  - To use DOLBY ATMOS® in ARC mode, your TV has to support DOLBY ATMOS®.
- It is needed to set up an audio output on external devices (Blu-ray disc player, TV etc.) to "No incoding" such as "Bitstream", "Auto" or "Bypass".
  - If you can select audio output sampling rate, set it to 192 kHz.



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 jack on the TV.
3. Set the input source to HDMI IN or OPT/HDMI ARC. Press repeatedly **F** on the remote control or **F** on the unit until the function is selected.
   - If you select HDMI IN, 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.

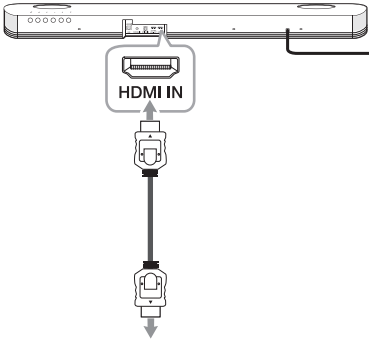
   You can see "DOLBY ATMOS"on the display window if connecting normally between this sound bar and your TV and DOLBY ATMOS contents is played.

Note

- DOLBY ATMOS® supports 5.1.2 channel.
- This unit supports 4K passthrough. When you play a disc which has a 4K video signal, this unit delivers the signal to your TV.
- If the sound bar does not sound or the video on TV is not smooth, the HDMI cable may be the problem. Refer to the HDMI cable checklist. (Page 16)

HDMI connection

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

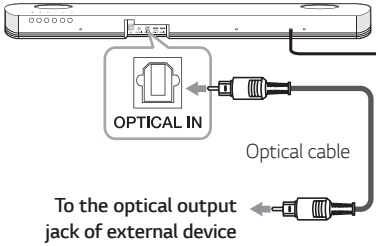


To the Blu-ray disc player, DVD player, etc.

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. Set the input source to HDMI IN. Press repeatedly **F** on the remote control or **F** on the unit until the function is selected.

OPTICAL IN connection

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



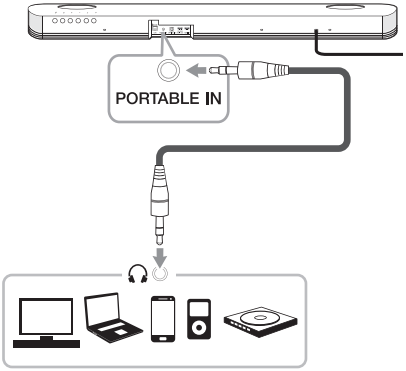
1. Connect the OPTICAL IN jack on the back of the unit to optical out jack of your external device.
2. Select the input source to OPT/HDMI ARC by pressing **F** button on the remote or unit repeatedly.

   You can see "OPTICAL" 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.

PORTABLE IN connection



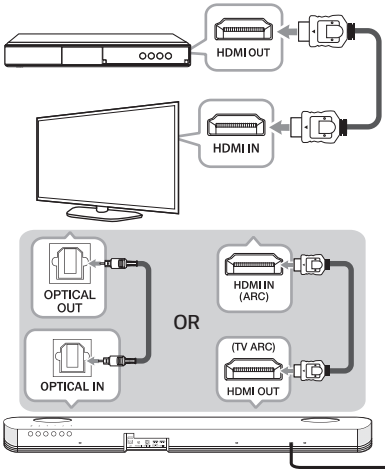
Listening to music from your portable player

The unit can be used to play the music from many types of portable players or external devices.

1. Connect the portable player to the PORTABLE IN connector of the unit.
2. Turn the power on by pressing ⏻ (Power).
3. Select the PORTABLE function by pressing **F** on the remote control or **F** on the unit until the function is selected.
4. Turn on the portable player or external device and start playing it.

Optional equipment connection

You can enjoy both sound and picture from the external device you connect.



1. Connect HDMI IN jack of your TV to HDMI OUT jack on the external device such as Blu-ray disc player, DVD player, etc.
2. Connect the OPTICAL IN jack on the back of the unit to OPTICAL OUT jack on the TV using an OPTICAL cable.

   Or connect the HDMI OUT (TV ARC) jack on the back of the unit to HDMI IN (ARC) jack on the TV using an HDMI cable.
3. Set the input source to OPT/HDMI ARC. Press repeatedly **F** on the remote control or **F** on the unit until the function is selected.

Note

If the sound bar does not sound or the video on TV is not smooth, the HDMI cable may be the problem. Refer to the HDMI cable checklist. (Page 16)

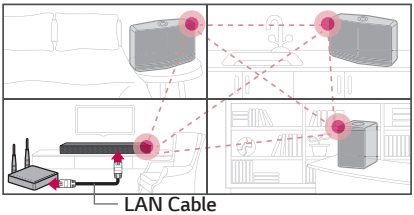
Initial Multi-Room Setup

When installing the Music Flow product for the first time, you can choose two types of connection as below.

Wired connection (Music Flow Mesh Network Connection)

Connect your speaker to the home router using LAN cable.

Then you can connect the additional Music Flow products (Optional) to your home network wirelessly. Refer to "Connecting the speakers to your Home Network (Additional)" on page 31.

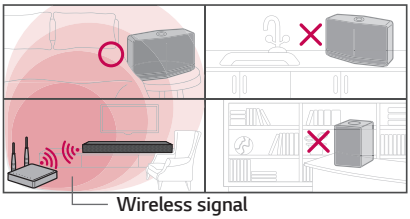


Wireless connection (Standard Wireless Connection)

When the wired connection is unavailable between your speaker and home router, this unit offers music streaming service within home router's Wi-Fi coverage.

Connect one of the your speaker to the home router wirelessly.

Then you can connect the additional Music Flow products (Optional) to your home network wirelessly. Refer to "Connecting the speakers to your Home Network (Additional)" on page 31.



Installing "Music Flow Player" App

Through Apple "App Store" or Google "Play Store"

1. Tap the Apple "App Store" icon or Google "Play Store" icon.
2. Type in "Music Flow Player" in the search bar and tap "Search".
3. Select "Music Flow Player" in the search result list to download.

Note

- Music Flow Player app will be available in version of the software as follow;
  Android OS : Ver 4.0 (ICS) (or later)
  iOS O/S : Ver 6.0 (or later)
- Depending on the device, "Music Flow Player" app may not work.

Through QR code

Install "Music Flow Player" app through QR code. Scan the QR code using the scanning application.

(Android OS) (Apple iOS)

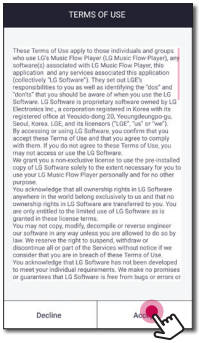
Note

- Make sure that your smart device is connected to the internet.
- Make sure that your smart device has a scanning application. If you don't have, download it from Apple "App Store" icon or Google "Play Store".

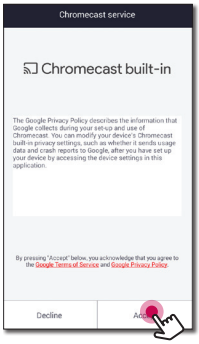
Starting with Music Flow Player app

When you launch Music Flow Player app for the first time, the terms of use and Chromecast Service appear on the screen.

1. Check the contents of terms of use and select [Accept].



2. Check the contents of Chromecast Service and select [Accept].



3. Select [Connect product] to install the speaker you've purchased.

Refer to "Connecting the speaker to your Home Network" on page 22.

Note

If you want to return to the terms of use screen, initialize the Music Flow Player app on the smart device's setting menu.

Connecting the speaker to your Home Network

Using a wired network provides the best performance, because the attached devices connect directly to the network without radio frequency interference.

Please refer to the documentation for your network device for further instructions.

Preparation

- Make sure that wireless network environment using a router is installed at your home.
- Make sure that the speaker and the smart device are connected to the same router.

Requirements

- Wireless router
- Smart device (Android or iOS)

Note

- Make sure that DHCP's server is activated on wireless router.
- If you cannot connect the speaker with your router, go to setting of the router and then make sure that "Allow wireless client to see each other and access my local network" box is unchecked.

Simple Connection (EZ Setup)

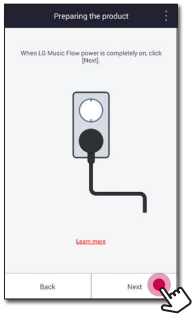
Preparation

- For Simple Connection, Wi-Fi network condition is needed.
- Make sure that the **Bluetooth** setting on your smart device in on.
- Select WI-FI function by using **F** on the remote control or **F** on the sound bar.

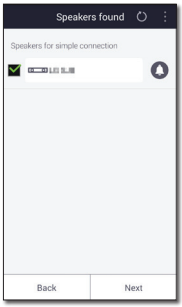
Note

- Simple Connection is supported by **Bluetooth** Ver 4.0 (or higher).
- If Simple Connection screen is not displayed on the screen, connect the unit by the other way. Please refer to "Connecting the speaker to your network with a LAN cable" (page 23) or "Connecting the speaker to your Network via the Wi-Fi Setup Method" (page 25 or page 28)

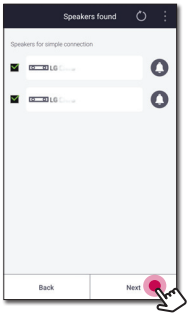
1. Plug in the desired device, and tap [Next].



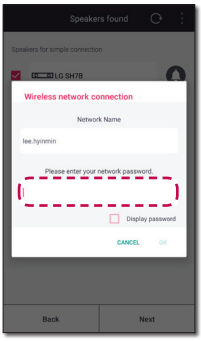
2. App searches for the speaker and connects it automatically, Tap [Next].



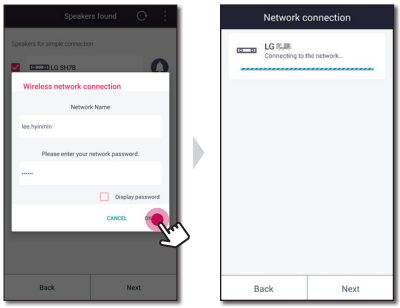
or



3. If the network password is set, security screen is displayed. Type the password.



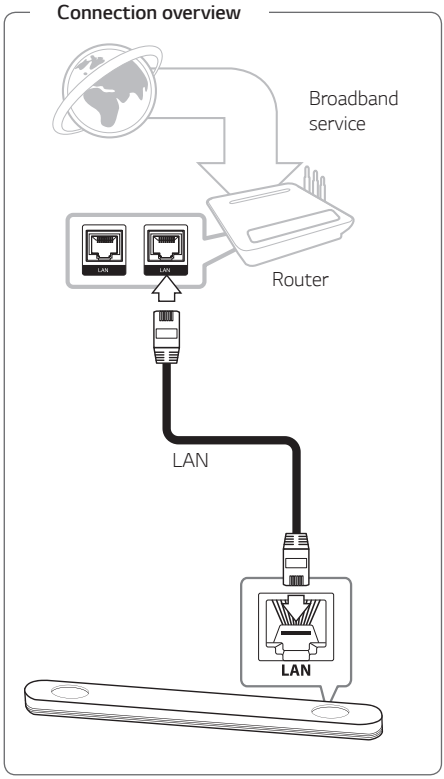
4. After typing password, tap [Next].



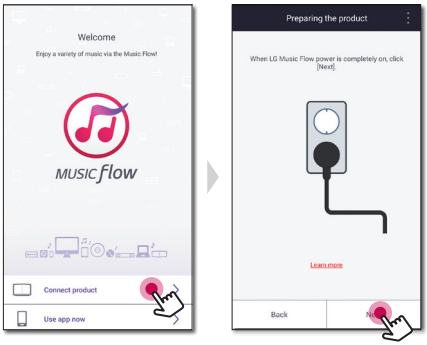
5. Tap [Finish] to finish making the connection.

After finishing, TV connection screen is displayed. Follow the direction on the screen.

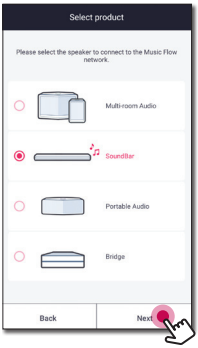
Connecting the speaker to your network with a LAN cable



1. Turn on the unit by using ⏻ on the remote control or ⏻ on the unit. The LED indicator starts to blink in white.
2. On your smart device, launch Music Flow Player app. Select [Connect product] to install the speaker. Plug in the desired device, and tap [Next].

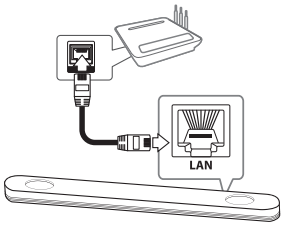


3. Select Sound bar and tap [Next] on the screen.

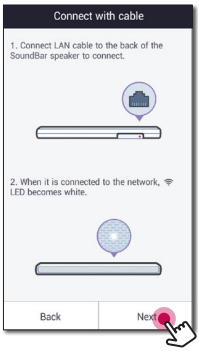


4. Select [Wired connection] on the screen.

5. Connect one end of the LAN cable to the speaker's LAN port and connect the other end to your wireless router.
   Wait a moment until the LED indicator stops blinking and stays white.



6. Then select [Next] on the screen.

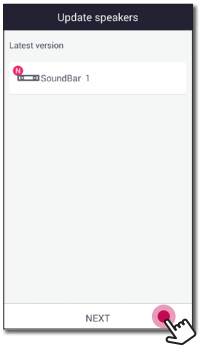


7. Select [Finish] to complete the connection.

After speaker connection, follow the instructions for TV connection.

(If there is an update)

8. This application is checking the Version of software of your speaker and then shows the version.



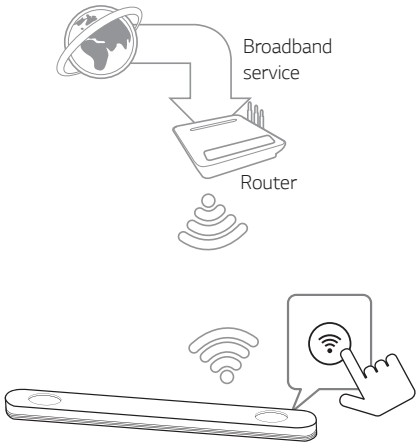
Select [Next] after checking the version information.

Note

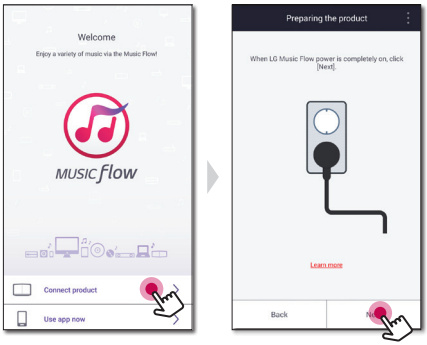
- You cannot use the speaker without a router. When using the wired router, you can control the speaker with Music Flow PC Software. (Page 38)
- The speaker and the smart device should be connected to the same router.

Connecting the speaker to your Network via the Wi-Fi Setup Method (Android)

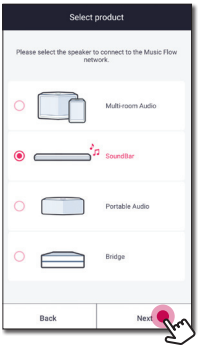
Connection overview



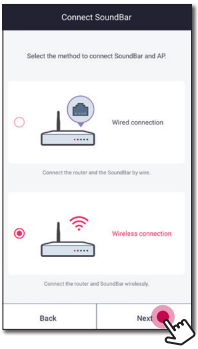
1. Turn on the unit by using ⏻ on the remote control or ⏻ on the unit. The LED indicator starts to blink in white.
2. On your smart device, launch Music Flow Player app. Select [Connect product] to install the speaker. Plug in the desired device, and tap [Next].



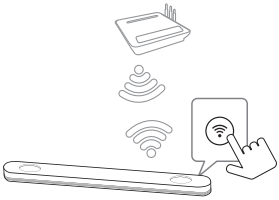
3. Select Sound bar and tap [Next] on the screen.



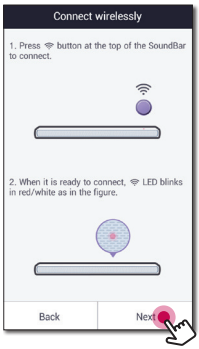
4. Select [Wireless connection] on the screen.



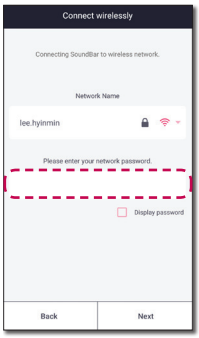
5. Then select [Next] on the screen.
6. Press the 📶 button on the unit. Then the LED indicator blinks in white and red alternately.



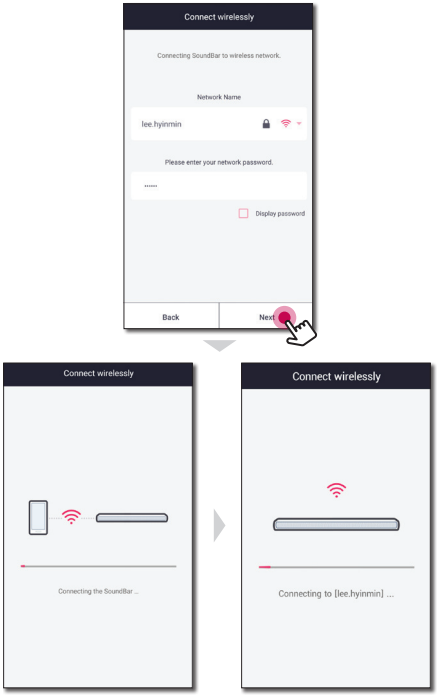
7. Then select [Next] on the screen.



8. If you have a password for your network, the security screen appears on your smart device. Enter your password.



9. Then select [Next] on the screen.

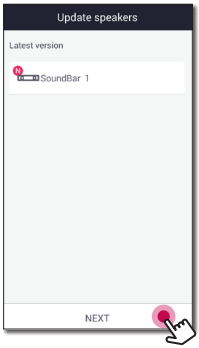


10. Select [Finish] to complete the connection.

After speaker connection, follow the instructions for TV connection.

(If there is an update)

11. This application is checking the Version of software of your speaker and then shows the version.



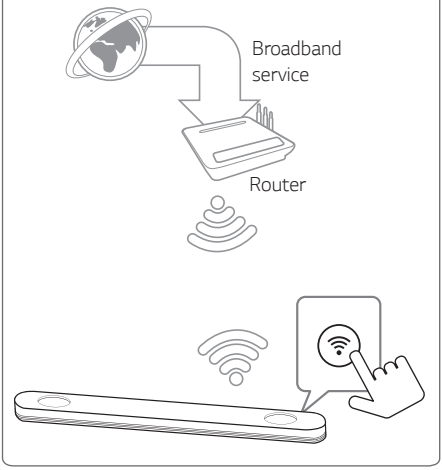
Select [Next] after checking the version information.

Note

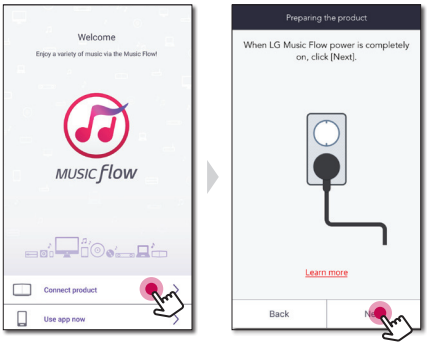
If the speaker fails to connect to your network or its network connection operates abnormally, place the speaker closer to your router and try again.

Connecting the speaker to your Network via the Wi-Fi Setup Method (iOS)

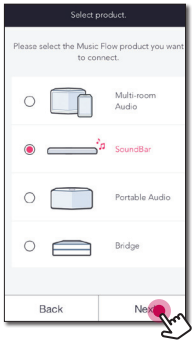
Connection overview



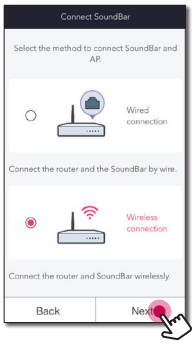
1. Turn on the unit by using ⏻ on the remote control or ⏻ on the unit. The LED indicator starts to blink in white.
2. On your smart device, launch Music Flow Player app. Select [Connect product] to install the speaker. Plug in the desired device, and tap [Next].



3. Select Sound bar and tap [Next] on the screen.



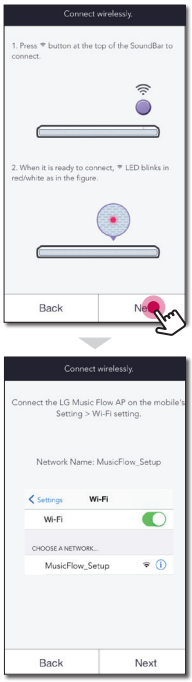
4. Select [Wireless connection] on the screen.



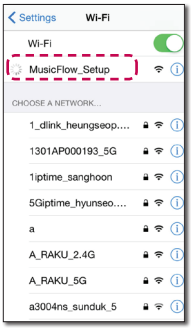
5. Then select [Next] on the screen.

6. Press the button on the unit. Then the LED indicator blinks in white and red alternately.

7. Then select [Next] on the screen.



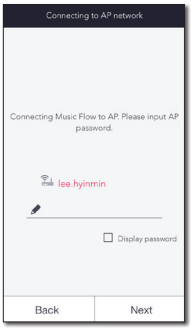
8. On your iOS device, go to iOS setting -> Wi-Fi setting and select "MusicFlow_Setup" to connect.



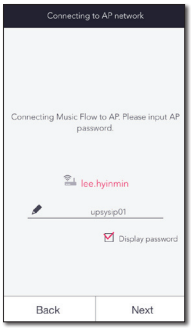
Note

- If "MusicFlow_Setup" is not on the list, scan for available Wi-Fi networks again.
- When your smart device is connected to "MusicFlow_Setup", you cannot use the internet.

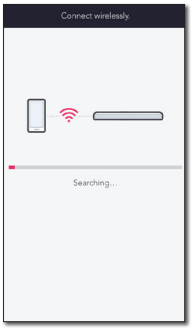
9. If you have a password for your network, the security screen appears on your smart device. Enter your password.



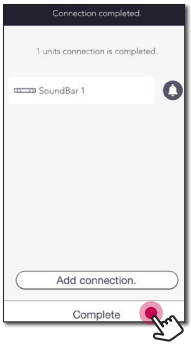
10. Then select [Next] on the screen.



11. Then select [Next] on the screen.



12. Select [Complete] to complete the connection.



Note

If the speaker fails to connect to your network or its network connection operates abnormally, place the speaker closer to your router and try again.

Notes on Network Connection

- Many network connection problems during set up can often be fixed by re-setting the router. After connecting the speaker to the home network, quickly power off and/or disconnect the power cable of the home network router or cable modem. Then power on and/or connect the power cable again.
- Our company is not responsible for any malfunction of the speaker and/or the internet connection feature due to communication errors/ malfunctions associated with your broadband internet connection or other connected equipment.
- The wireless network operate at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, **Bluetooth** devices, microwave oven, and can be affected by interference from them.
- Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- If the speaker fails to connect to your network or its network connection operates abnormally, place the speaker closer to your router and try again.
- Depending on your home network environment and the performance of wireless router, it may not work well to connect the speaker to your wireless router.
- You cannot connect the speaker to wireless router which has hidden SSID.
- The connection you've made may be disconnected if you select other application or change the setting of the connected speaker via "Music Flow Player" app. In such a case, please check the connection status.
- Even after connection of Music Flow Player app, music may be output from your smart device. In this case, select the connected speaker on the playback screen.
- Depending on the speed of your network, playback of online contents may not work well.
- Wireless signal interference may lead to disconnection of network or stopping playback.

- You need to turn the speaker's power off and on again if you restart the router.
- You need to perform a factory set and setup the network connection for speaker, if you install new router.
- If you use other characters than the english alphabet or digits for the SSID name of your access point or wireless router, it may be displayed differently.

Connecting the speakers to your Home Network (Additional)

You can enjoy the music with multiple speakers and single smart device you have.

Requirements

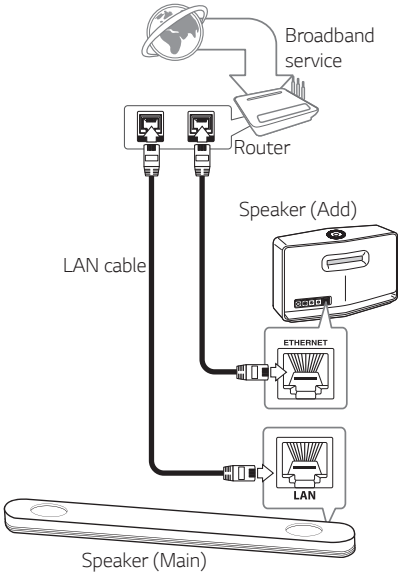
- Wireless router
- Smart device (Android or iOS)
- Another speaker

Note

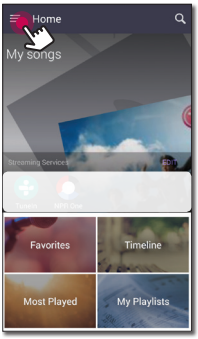
Signal interference may lead to stop playback.

Connecting the additional speaker to your network with a LAN cable

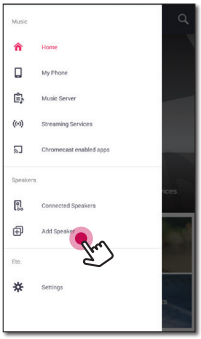
Connection overview



1. Connect the speaker (Main) to your network. Refer to "Connecting the speaker to your Home network" on page 22.
2. On your smart device, select the Music Flow Player app. Tap the ≡ button.



3. Select the [Add Speaker] on the side menu.

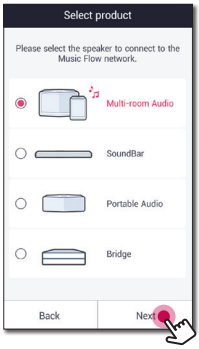


Note

You can also add another speaker by using ⊞ button on the screen of [Connected Speakers].

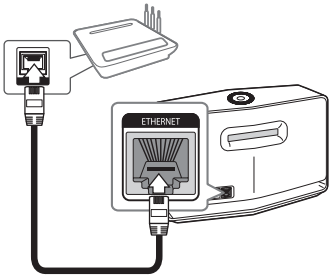
4. Plug in the desired device, and tap [Next].

5. Select the product you want to connect and tap [Next] on the screen.

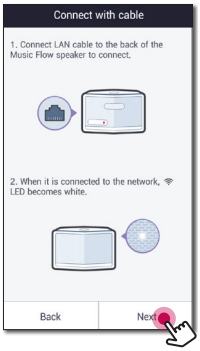


6. Select [Wired connection] on the screen.

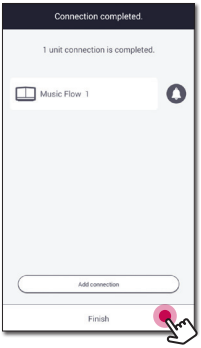
7. Connect one end of the LAN cable to the speaker's ETHERNET port and connect the other end to your wireless router.
   Wait a moment until the LED indicator stops blinking and stays white.



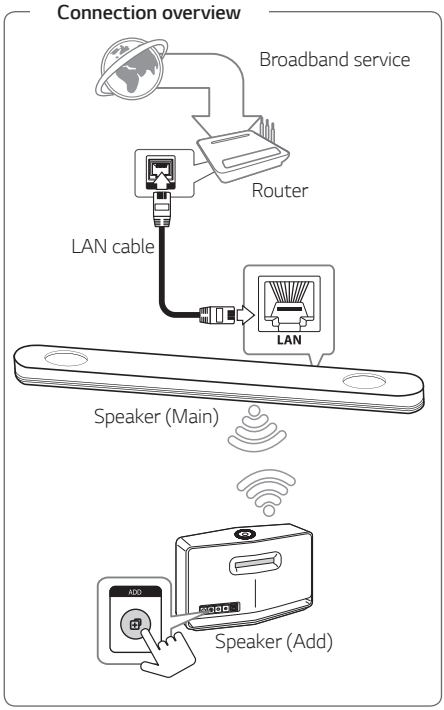
8. Then select [Next] on the screen.



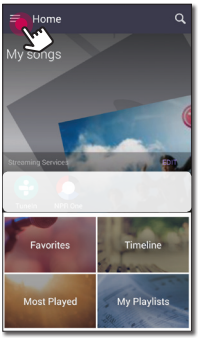
9. Select [Finish] to complete the connection.



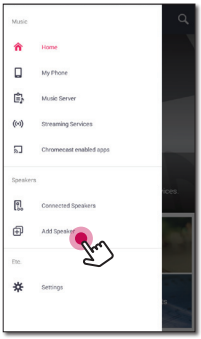
Connecting the additional speaker to your network via the Wi-Fi Setup Method



1. Connect the speaker (Main) to your network. Refer to "Connecting the speaker to your Home network" on page 22.
2. On your smart device, select the Music Flow Player app. Tap the ≡ button.



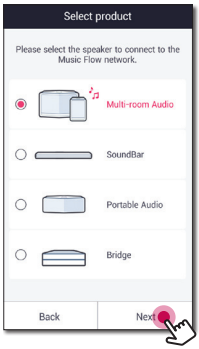
3. Select the [Add Speaker] on the side menu.



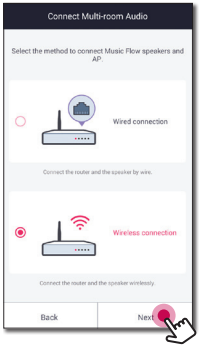
Note

You can also add another speaker by using button on the screen of [Connected Speakers].

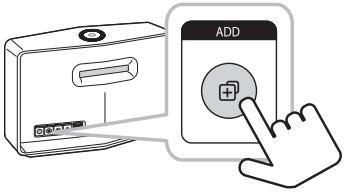
4. Select the product you want to connect and tap [Next] on the screen.



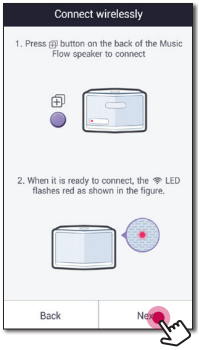
5. Select [Wireless connection] on the screen.



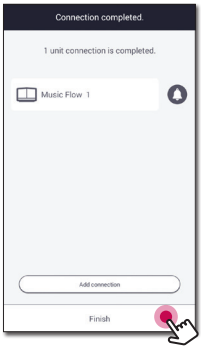
6. Press the **ADD** button on the rear of the speaker (Add). Then Network status LED blinks red.



7. Then select the [Next] on the screen.



8. Select [Finish] to complete the connection.



Note

Speakers may be not connected if the distance between the Sound Bar (Main) connected by LAN cable and the speaker (Add) to be connected is too far.

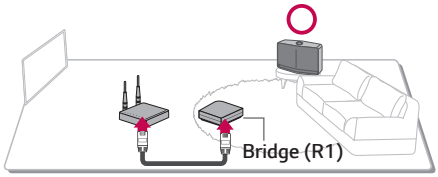
Using the Bridge

Bridge (R1) extends a range of use of speakers. Please purchase it separately if you want to use.

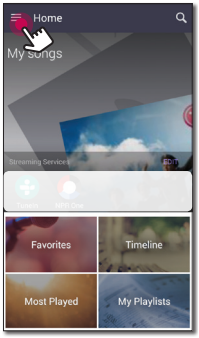
Use as a root device (wired to the home router)

If there is no speaker with wired connection to the router

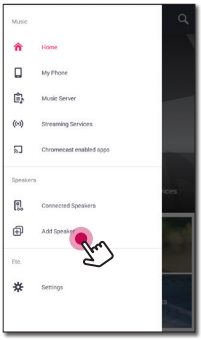
When your home router is located too far from any speaker location that is to be connected via wired mode, connect the **Bridge (R1)** to your home router with LAN cable.



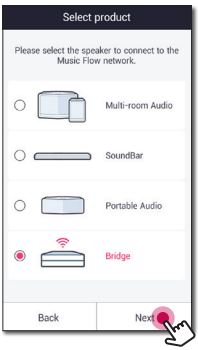
1. Attach the power cord to the power port on the rear of the **Bridge (R1)** and then plug the power cord into an electrical outlet.
2. The power LED on the front of **Bridge (R1)** turns on. On your smart device, select the Music Flow Player app. Tap the button.



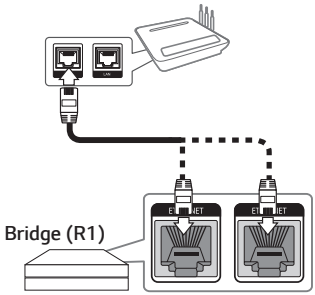
3. Select the [Add Speaker] on the side menu.



4. Select the [Bridge] and tap [Next] on the screen.

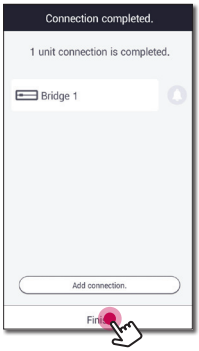


5. Following the instruction on Music Flow Player app, connect the **Bridge (R1)** and the router with LAN cable.
   Wait a moment until Network status LED stops blinking and stays white.



   And then select [Next].

6. Select [Finish] to complete the connection.

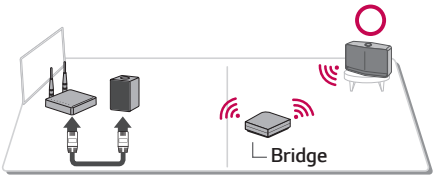


7. Connect the speaker to **Bridge** (R1). Refer to "Connecting the speakers to your Home Network (Additional)" on page 31.

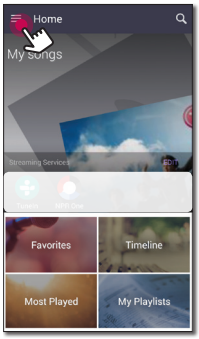
Use as a wireless extender

If there is at least one speaker with wired connection to the router

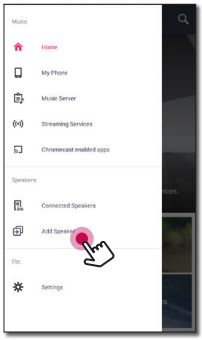
When you want to expand Music Flow mesh network coverage, add the **Bridge (R1)** to your home network.



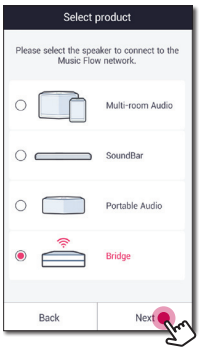
1. Attach the power cord to the power port on the rear of the **Bridge (R1)** and then plug the power cord into an electrical outlet.
2. The power LED on the front of **Bridge (R1)** turns on. On your smart device, select the Music Flow Player app. Tap the ≡ button.



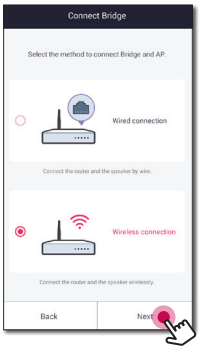
3. Select the [Add Speaker] on the side menu.



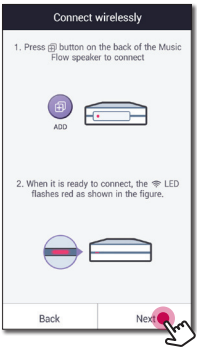
4. Select the Bridge and tap [Next] on the screen.



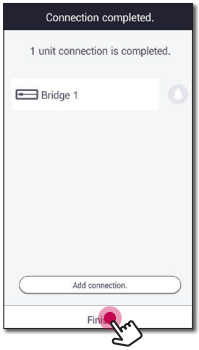
5. Select [Wireless connection] and tap [Next] on the screen.



6. Follow the instruction on Music Flow Player app and tap [Next] on the screen.



7. Select [Finish] to complete the connection.



8. Connect the speaker to **Bridge** (R1). Refer to "Connecting the speakers to your Home Network (Additional)" on page 31.

Using Media Server for PC

Media server Software allows users to access audio files stored in media server and enjoy them on this speaker via home networking.

Before connecting to PC to play a file, Media server Software should be installed on your PC.

Note

Make sure that wireless network environment using a router is installed at your home.

- **Windows : Music Flow PC Software**

Music Flow PC Software for windows

About Music Flow PC Software

Music Flow PC Software makes you enjoy the audio files stored on your media server (PC) via the speaker.

Downloading Music Flow PC Software

1. Start up your computer, visit http://www.lg.com. If necessary, select your region.
2. Click support tab.
3. Fill your model name on the cover of owner's manual in search bar.
4. Find and download the "Music Flow PC Software" file.

Installing Music Flow PC Software

1. Unzip and double-click "Setup.exe" to install Music Flow PC Software. The installation is prepared and the installation wizard appears.
2. Follow the directions of the installation wizard displayed on the screen.
3. Click the [Exit] button to complete the installation.

Note

- You might close firewalls and Anti-Virus programs on your PC while installing Music Flow PC Software.
- The Music Flow PC Software is a customized software edition only for sharing files and folders to this speaker.
- If you want a full explanation about Music Flow PC Software, click the question marked icon on home menu.

System requirements (Windows PC)

- CPU : Intel® 2.0 GHz or AMD Sempron™ 2000+ processors
- Memory : 1 GB of free RAM
- Graphics card : 64 MB video memory, minimum resolution of 1024 x 768 pixels, and 16 bit color settings
- Free Disk Space : 200 MB
- Windows® XP (Service Pack 2 or higher), Windows Vista®, Windows® 7, Windows® 8.0, Windows® 8.1, Windows® 10
- Windows® Media Player® 11.0 or higher
- Network environment: 100 MB Ethernet, WLAN

Sharing music files

On your computer, you must share the folder contained music files to play them on this speaker.

This parts explains the procedure for selecting the shared folders on your computer.

1. Double-click the “Music Flow PC Software” icon.
2. Click [✱] icon in the upper-right-hand corner of the screen. The setting menu appears.
3. On the setting menu, click [🗀] icon on the left to go to the sharing file menu.
4. On the sharing file menu, Click [🗀⊕] icon to open the [Browse Folder] window.
5. Select the folder containing the files you want to share. The selected folder is added to the list of shared folders.

Enjoying the Music with Music Flow Player app

With Music Flow Player app, you can play music in your smart device.

Note

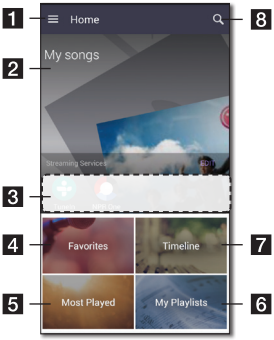
- For more detailed instruction about Music Flow Player app, switch on the [User Guide] in [Settings] > [General] on the side menu.
- Some of the content in this part may differ from Music Flow Player app depending on the application's version.

Preparation

1. Check the network connection with the speaker. (Page 22)
2. To use the speaker, you must download and install the Music Flow Player app. (Page 20)

Overview of Home menu

Launch Music Flow Player app on your smart device. The [Home] appears.



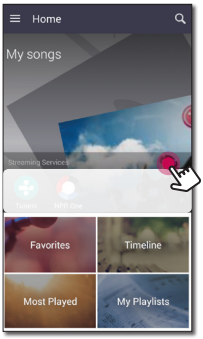
1	**Menu button** -Displays side menu bar.
2	**My Songs -** Displays music list on your phone.
3	**Streaming Services** – Displays the online services. You can enjoy the online radio and music.
4	**Favorites**– Displays the favorites songs
5	**Most Played** – Displays the songs most played on this speaker.
6	**My Playlists** – Displays the playlists.
7	**Timeline** – Displays the songs played on this speaker.
8	**Search -** Searches music on your phone.

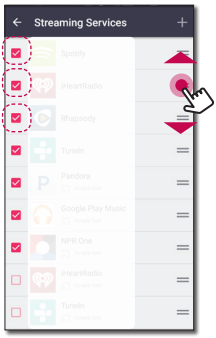
Note

Depending on your smart device's OS or version of "Music Flow Player" app, some of the content in this manual may differ.

Edit the Online streaming Service list

1. Launch Music Flow Player app on your smart device. The [Home] appears.
2. Tap the [EDIT] menu.





- Select the checkbox of the Online service you want to see on Home.
- Drag upwards or downwards to change the order of the Online service.
- Tap the ＋, add the online services.

  In case of the Android device, you can add the online services among the installed apps in the device. If you select the added app, the app is run during the **Bluetooth** pairing operation.

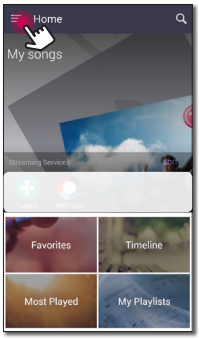
  In case of the iOS device, when you connect the added app, you should set the **Bluetooth** connection for yourself.

Note

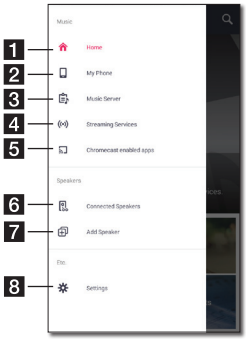
The displayed Online Streaming Services may vary depending on your region.

Overview of the side menu

1. Launch Music Flow Player app on your smart device. The [Home] appears.
2. Tap the ≡ button.



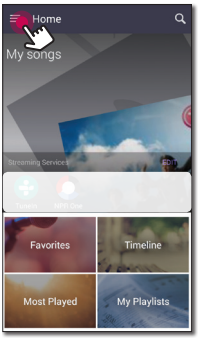
3. Side menu appears.



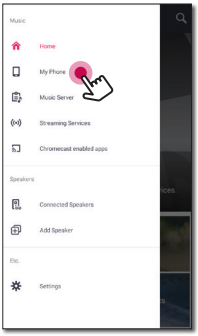
1	**Home** – Displays the Home menu.
2	**My Phone** – Displays the songs on this smart device.
3	**Music Server** – Displays the songs on the connected devices (Media server).
4	**Streaming Services** – Displays the online services. You can enjoy the online radio and music.
5	**Chromecast enabled apps** – Displays available apps on Chromecast.
6	**Connected Speakers** – Displays the connected speaker.
7	**Add Speaker** – Goes to the speaker installation screen.
8	**Settings** – Displays the settings menu.

Playing a song

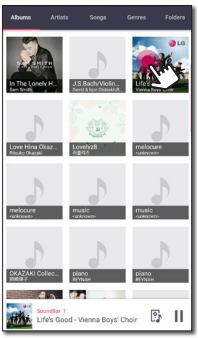
1. Launch Music Flow Player app on your smart device. The [Home] appears.
2. Tap the ≡ button.



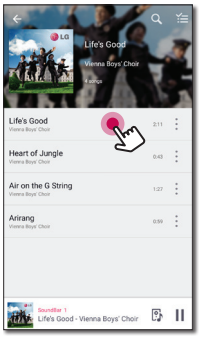
3. Side menu appears.
   Select the [My Phone] on the side menu.



4. Select the desired album.

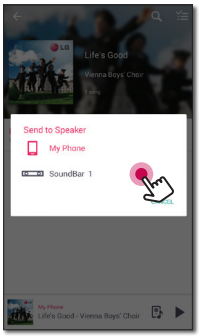


5. Select the desired song. Then selected song is displayed and played.



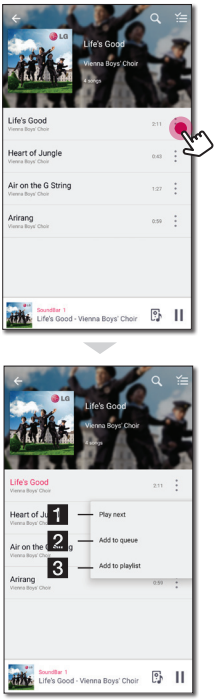
Note

If the speaker is not selected, the selecting speaker pop-up appears. Select a desired speaker.



Managing a playlist

On an album screen, tap the [⋮] of the desired song. The pull down menu appears.



1	**Play next** – Selects music to play next.
2	**Add to queue** – Adds to queue list.
3	**Add to playlist** – Adds to a desired playlist.

Note

Depending on your wireless environment, playing a song with the speaker may not work smoothly.

Overview of Playback

You can confirm and adjust various information on the playback screen.

1	Displays the speaker that music plays through.
2	Displays current playing music. - Repeats the desired contents. Every time you click it, the state changed in the (Repeat One) - (Repeat All) - (Repeat Off) order. - Shuffles the music on the list. Music will be played in random order.
3	Adjusts playback. - Adjusts the volume. - Pauses playback. / - Skips fast backward or forward. - Adjusts the sound effect.
4	Tap the ⋮, various option appears. - Saves the music to the [Favorites]. You can find [Favorites] on [Home] tab - Adds music to [My Playlist].
5	- Edits the current playlist. - Selects a speaker to play. - Displays music menu.

Note

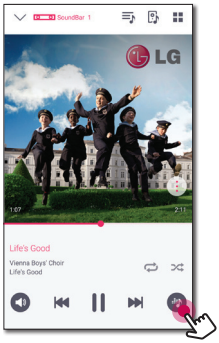
By using , you can control volume level of each grouped speakers and change the channel of them to [Surround], [Left] or [Right]. (Page 45)

Selecting Sound effect

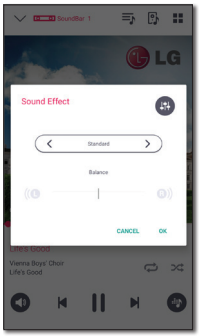
This speaker has a number of pre-set surround sound fields. You can select a desired sound mode by tapping [ ].

The displayed items for the equalizer may be different depending on sound sources and effects.

1. During playback, tap the [ ] as below.



2. Tap the < or >.



You can select the various sound effects.

Sound Effect	Description
ASC	Analyzes the property of input sound and provides the sound optimized for the content in real time.
Bass Blast	Reinforces the bass and powerful sound.
Standard	You can enjoy optimized sound.
Movie	You can enjoy more immersive and cinematic surround sound.
Music	You can enjoy more good sound for music source.
	You can set Treble and Bass value. The set value will be reflected to the overall sound effect.

Note

- When you play the songs with smart device's speaker, the sound equalizer is not supported.
- You can also select a desired sound mode by using **SOUND EFFECT** on the remote control.
- In some of surround modes, some speakers, there's no sound or low sound. It depends on the mode of surround and the source of audio, it is not defective.
- You may need to reset the surround mode, after switching the input, sometimes even after the sound file changed.
- When a source of Dolby Atmos is inputted, sound effect will be changed to DOLBY ATMOS automatically.
  In this state, even though you press the buttons, such as **SOUND EFFECT**, , and **AUTO VOLUME**, this unit does not respond. And you can see only "NOT SUPPORTED" on the display window.

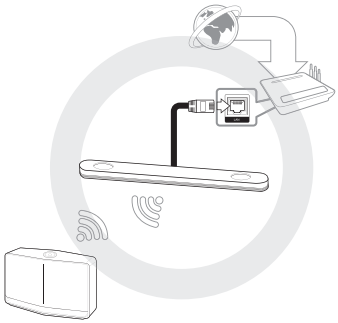
Different ways of listening to music

There are a number of differing ways of listening to music : Group, Surround and Seamless playbacks.

Note

If you want to enjoy the group playback and Surround playback, it is recommended that at least one speaker is connected by LAN cable. To change speaker connection setting when all the speaker have been already connected wirelessly, reset all the speaker and connect again after connecting the one speaker of them.

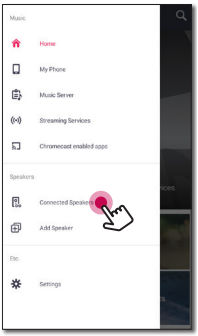
In the wireless connection, the smoothness of playback is subject to the location of installed speaker. Install the speakers at a short distance from the router. To enjoy the smooth group playback or surround playback wirelessly, it is recommended to use the router supporting 802.11n. In this case, set the router's security mode setting to OPEN or AES.



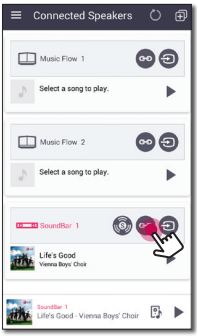
Group Playback

You can group multiple speakers linked to the Music Flow Player app and play the same music through all the connected speakers in the same group.

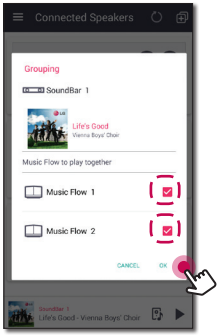
1. Select [Connected Speakers] on the side menu of Music Flow Player app.



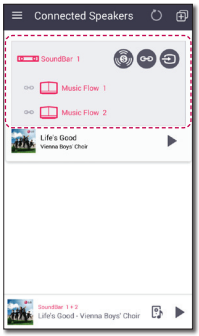
2. Connected speakers appear.
   Select the [ ] on the speaker desired song plays through.



3. Grouping option appears.
   Tap the checkbox to select the speaker you want to play with. Then select [OK].



4. The speakers is ready to group playback.



Note

- If the speakers are not grouped, you can enjoy different music on each speaker.
- It is recommended to connect less than 3 devices for the smooth playback.
- The weak signal because of the long distance between speakers or wireless router and signal interference may cause abnormal playback.
- Depending on your wireless environment, the grouping may be broken.
- For smooth group playback, it is recommended to select the speaker connected by LAN cable as a master speaker. If you set the master speaker connected wirelessly, placed closer from the speaker connected wired.

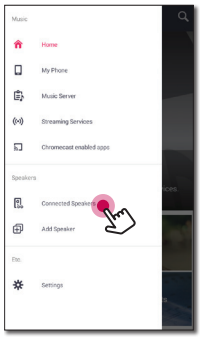
Surround Sound Mode (Home Cinema Mode)

Simply add a LG Music Flow sound bar to your network and synchronize it with your LG Music Flow speakers to enjoy a home cinema system experience.

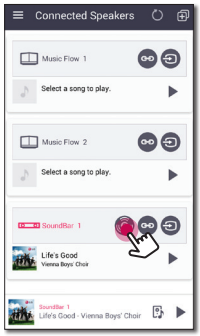
Preparations

- Sound Bar
- Two speakers of same model (if possible)

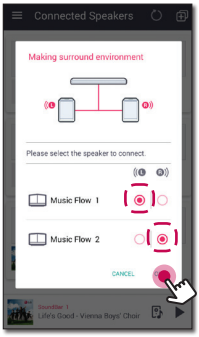
1. Select [Connected Speakers] on the side menu of Music Flow Player app.



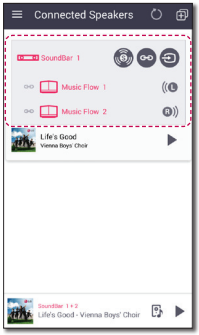
2. Connected speakers appear.
   Select the [ ] on the speaker.



3. Surround environment option appears.
   Select the left and right speakers by tapping connected speakers. Then select [OK].



4. The speakers are ready to surround playback.



Note

- It is recommended to set the surround speakers to same models.
- The weak signal because of the long distance between speakers or wireless router and signal interference may cause abnormal playback.
- Depending on your wireless environment, the grouping may be broken.
- For smooth playback, it is recommended to select the speaker connected by LAN cable as a master speaker. If you set the master speaker connected wirelessly, placed closer from the speaker connected wired.
- To enjoy the home cinema system without Music Flow Player app, follow the below steps.
  1. Plug in the Sound bar
  2. Connect the sound bar to home network. (Wired or Wireless)
  3. Plug in the rear speakers.
  4. Connect the rear speakers to home network. (Wired or Wireless)
  5. Press (Add) button on the sound bar.
     The sound bar beeps and [HOME CINEMA READY] is scrolled on the display window.
  6. Press (Add) button on the left rear speaker and wait for a few seconds.
  7. After the left rear speaker connection, press (Add) button on the right rear speaker.
- Configuring home cinema mode with existing speakers, you need to update software of the speakers to the latest version.
- Check every speaker's network connection when you cannot set the speakers. If the speakers are not connected to the home network, refer the "Connecting the speaker to your Home Network".

Seamless playback

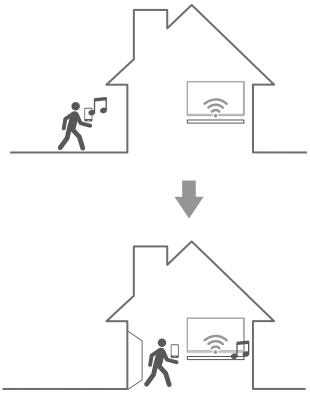
You can easily change the playing speaker from your smart device or the speaker to the another speaker without pause.

To use Seamless playback, you have to set up Auto Music Play to On. (Page 53)

Note

- It is not supported when you go out of the house with your smart device.
- WI-FI function on smart device must be turned on.
- If the input source is Portable In and **Bluetooth**, seamless play is not supported. (Media server and online streaming service are supported).
- In case of the online streaming service, the music you are listening to is played from the beginning.
- On seamless play, each speaker keeps its existing volume value. If no sound coming out from the speaker during playback, check the switched speaker's volume is set to 0.

Changing playing speaker from a smart device to a speaker



1. If the smart device playing music is carried from outside to a room where the connected speaker is in, the pop-up window on the smart device will appear to ask you which speaker you want to play music through.
2. Select the speaker on the pop-up list, the music you are listening to is played through without a pause.

Setting the Speaker with Music Flow Player app

With Music Flow Player app, you can set the connected speaker in your smart device.

Note

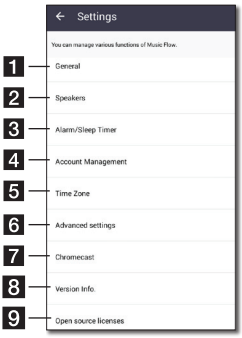
- For more detailed instruction about Music Flow Player app, switch on the [User Guide] in [Settings] > [General] on the side menu.
- Some of the content in this part may differ from Music Flow Player app depending on the application's version.

Preparation

1. Check the network connection with the speaker. (Page 22)
2. To use the speaker, you must download and install the Music Flow Player app. (Page 20)

Overview of setting menu

1. Launch Music Flow Player app on your smart device.
2. Select [Settings] on the side menu.



1. **General** – Sets for easier use of the speaker.
2. **Speakers** – Sets connected speaker.
3. **Alarms/Sleep Timer** – Wakes on and off the speaker at a designated time.
4. **Account Management** – Manages online streaming service.
5. **Time zone** - Sets time zone.
6. **Advanced settings –** Displays the Advance settings menu. (Page 52)
7. **Chromecast –** Displays the Chromecast menu.
8. **Version Info.** – Updates the speaker to the latest version.
9. **Open source licenses** – Shows LGE Open Source Software Notice.

[General] Menu

Sets for easier use of the speaker.

Lock Screen Setting (Android only)

This function allows you to display the Music Flow Player on the lock screen. (Lock screen setting is [ON] by default.)

Note

[Lock Screen Setting] may differ from Music Flow Player app depending on the Android's version.

User Guide

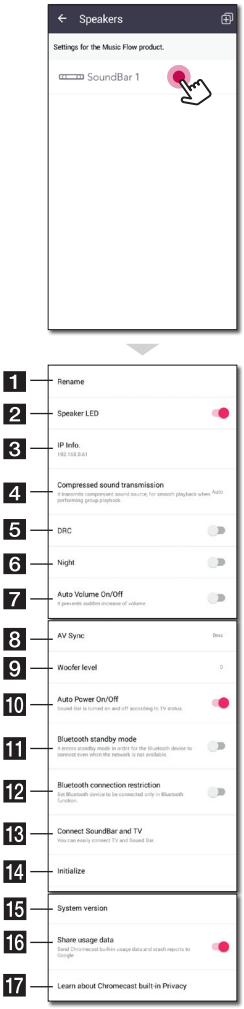
This function allows you to display or delete the guide on the menu.

Gesture

When this function is on, you can easily continue playback your music by simply shaking your mobile.

[Speakers] Menu

You can adjust speakers connected to your network.



1. **Rename** – Renames the speaker.
2. **Speaker LED** – Turns on or off speaker's LED indicator.
3. **IP Info. -** Shows the IP address of the speaker.
4. **Compressed sound transmission –** Adjusts the compression of audio source according to network status.
5. **DRC** – It reduce the volume of loud sounds or amplifies quiet sounds. (Dolby Digital only) Turns on or off DRC function.
6. **Night** – Turns on or off Night Mode function. (Page 60)
7. **Auto Volume On/Off** – Turns on or off Auto Volume function. (Page 60)
8. **AV Sync** – Adjust the audio and video Synchronization. (Page 57)
9. **Woofer level** – Adjust Woofer level. (Page 60)
10. **Auto Power On/Off** – Turns on or off Auto Power function. (Page 58)
11. **Bluetooth standby mode –** Turns on or off **Bluetooth** standby mode. (Page 61)
12. **Bluetooth connection restriction –** It enables you to connect **Bluetooth** device only on **Bluetooth** or LG TV function. (Page 57)
13. **Connect SoundBar and TV** – Guide you to connect to your TV. (through Optical (Page 12) or HDMI (Page 14))
14. **Initialize** – Resets the speaker.
15. **System version** – Displays the current system version.
16. **Share usage data** – Select whether to send Chromecast usage data and crash reports to Google.
17. **Learn about Chromecast built-in Privacy** – Shows Privacy policy of Chromecast.

[Alarms/Sleep Timer] Menu

Turns on and off the speaker at a designated time.

Alarms

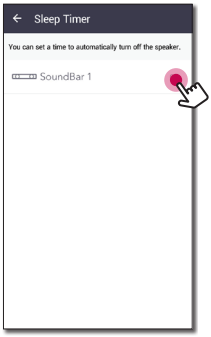
Speaker will let you know when it is time.

	Deletes selected alarm.
	Adds new alarm.

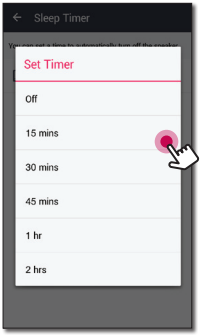
Sleep Timer

Sets a time to automatically turn off the speaker.

1. Select the speaker to set timer on [Sleep Timer] in the [Alarms/Sleep Timer] menu.



2. Set the desired timer on selected speaker.



[Account management] Menu

Manages online streaming service.

[Time Zone] Menu

Automatic Time zone

It offers to use network provided time.

Set Time Zone

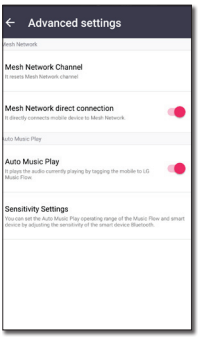
If you deselect [Automatic Time zone], you can select your time zone yourself.

[Advanced Settings] Menu

Mesh Network Channel

If normal playback or group playback is not smooth using multiple speakers including wireless speaker connection, changed the mesh network channel to improve network speed.

1. Select the [Settings] -> [Advanced Settings] option.



2. Select the [Mesh Network Channel] option. The channel information now being used is displayed.

3. Select the channel to change.
4. The channel information is updated to the selected channel.

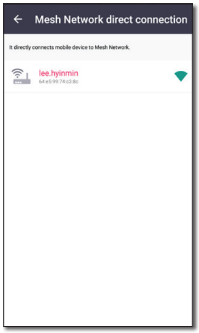
Note

- The speaker is disconnected temporarily during the channel changing.
- If you changed the channel when the speaker turned off, turn on and add it again.
- If the speaker is not connected to network after changing the channel, add the speaker again.

Mesh Network direct connection (Android only)

You can directly connect the smart device to speaker connected your home network.

When your smart device is placed in a position where it cannot connect to the home network, select a nearby speaker in the [Mesh Network direct connection] list and then connect the smart device to the speaker.

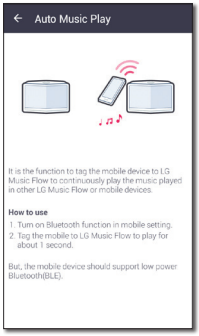


Auto Music Play

You can easily change the rendering device from your smart device or a speaker to another speaker by approaching your smart device to the desired speaker.

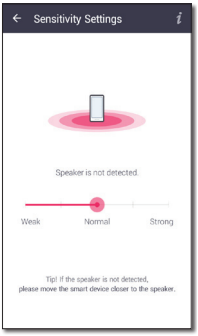
- Your smart device should support **Bluetooth** (BLE).
- This function is subject to the smart device capability and the Wi-Fi network status.
- Auto music play option in the music flow app should be turned on.
- This function may cause more battery consumption.

1. Turn on the [Auto Music Play] option in the Advanced settings menu on the music flow app.
2. Tag the smart device to around the center of the speaker for about 1 second.



Sensitivity Settings

Sets the operating distance of Auto Music Play between the speaker and your smart device to adjust sensitivity of **Bluetooth**(BLE).



- Place your smart device close enough to the tag on the speaker. It is recommend to be within about 5 cm.
- Set the slide bar at [Close], the leftmost position.
- Move the slide to the right slowly until the notification appears.

Note

- The smart device should support low power **Bluetooth** (BLE).
- BLE support specifications in case of android can vary depending on the manufacturer.
- Supported operation system version

Device	O/S
Android	Android 4.3 (or later)
Apple	iOS 7.1.2 (or later)

[Chromecast] Menu

Learn how to cast

Shows how to use Chromecast.

Chromecast enabled apps

Shows available apps on Chromecast.

Cast Groups

Select [Learn about Cast Groups] or [How to cast to a group] to show the selected information.

Note

To use Cast Groups, install Google Home application. Download the application from Apple "App Store" or Google "Play Store".

Chromecast built-in open legal documents

Select [Google Terms of Service], [Google Privacy Policy] or [Open source licenses] to show the selected information.

[Version Info.] Menu

Updates the speaker to the latest version.

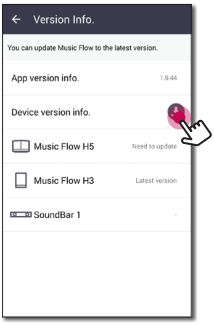
App version info.

Displays the current application's version.

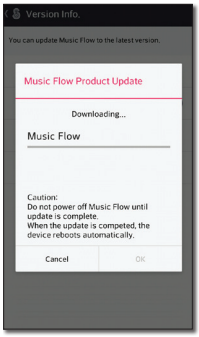
Device version info.

Updates the latest speaker's firmware version.

1. Find the speakers need to update and tap the [ ].

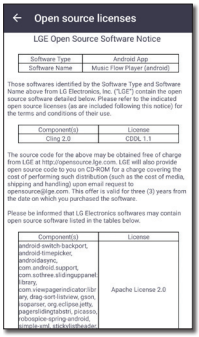


2. Starts the software update.



[Open source licenses] Menu

Shows LGE Open Source Software Notice.



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

BLUETOOTH profiles

In order to use **Bluetooth** wireless technology, devices must be able to interpret certain profiles. This speaker 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 using **F** on the remote control or **F** on the unit until the function is selected.
   Appears "BT" and then "BT READY" in display window.
2. Operate the **Bluetooth** device and perform the pairing operation. When searching for this speaker 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 speaker appears as "LG SJ9(XX:XX)".
3. Select the "LG SJ9(XX:XX)".

Note

- XX:XX means the last four digits of address. For example, if your unit has a MAC address such as 20:C3:8F:C9:**31:55**, you will see "LG SJ9(31:55)" on your **Bluetooth** device.
- Depending on the **Bluetooth** device type, some device have a different pairing way. Enter the PIN code (0000) as needed.

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 **INFO** 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.

According to your **Bluetooth** device's volume level, the volume level of **Bluetooth** will be adjusted.

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 a 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

- This unit supports **Bluetooth** auto pairing. However it does not operate in the case below:
  - When you restart this unit.
  - When you disconnect this unit by yourself.
  - When you disconnect this unit on the connected **Bluetooth** device.
- The sound may be interrupted when the connection is interfered with by the some other electronic wave.
- You cannot control the **Bluetooth** device with this unit.
- Pairing is limited to "One" **Bluetooth** device. 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 using **Bluetooth** when using Phone, MP3, Notebook, etc..
- The more distance between the unit and the **Bluetooth** device, the lower the sound quality becomes.
- The **Bluetooth** connection will be disconnected when the unit is turned off or the **Bluetooth** device gets too far from the unit.
- If the **Bluetooth** connection is disconnected, connect the **Bluetooth** device again.
- When a **Bluetooth** device is not connected, "BT READY" appears on the display window.
- If you set the WI-FI function in the state of unconnected network, **Bluetooth** and Wireless TV Sound Sync may not be connected.
- If you change to another function after connecting **Bluetooth** device, **Bluetooth** connection will be disconnected. And you return to **Bluetooth** function, **Bluetooth** connection will be connected automatically.

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 **AUTO POWER** on the remote control for about 2 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 **AUTO POWER** on the remote control for about 2 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.

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 **AV SYNC** 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 **AV SYNC**.

To turn off this function, press and hold **AV SYNC** and press it once again while "ON - TV REMOTE" is scrolled.

Note

- Supported TV brands

LG	Panasonic	Philips	Samsung
Sharp	Sony	Toshiba	Vizio

- Make sure that the sound output of your TV is set to [External speaker].
- Depending on the remote control, this function may not work well.
- 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.
- Some remote control may not be supported.
- Some remote control may not operate if you press repeatedly the volume button.

AV Sync

When receiving audio signals from TV, sound and images may not be matched. In the case, this function can adjust the delay time.

1. Press **AV SYNC**.
2. Use **⏮ / ⏭** to control the time which you can set at between 0 and 300 ms.

Turn off the sound temporarily

Press 🔇 (Mute) to mute your unit.

You can mute your unit, for example, to answer the telephone, "MUTE" is displayed in the display window.

To cancel it, press 🔇 (Mute) again on the remote control or change the volume level.

Sleep timer setting

This unit will turn off by itself after the time set.

Press **SLEEP** repeatedly to select the desired time period options (in minutes):

Dimmer (Display window will be darkened by half) → Sleep timer value (180 - 10) → Display on

To check the remaining time, press **SLEEP**.

To cancel the sleep function, press **SLEEP** repeatedly until "SLEEP 10" appears, and then press **SLEEP** once again while "SLEEP 10" is displayed.

Note

You can check the remaining time before the unit turns off . Press **SLEEP** the remaining time appears in the display window.

Auto display Dimmer

Display window will be darkened automatically if there is no key input for 15 seconds.

When you press any button, the display window will be brighten.

Displaying input source information

You can display various information of the input source by pressing **INF**O.

OPTICAL/ARC/HDMI IN/PORTABLE : Audio format

BT (**Bluetooth**) : Connected **Bluetooth** device name

Auto power down

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.

It will also turn off after six hours if the Main unit is connected to a device using portable input.

When network is connected, the speaker switches to the network standby mode. Then the LED indicator on the unit becomes dimmed in white.

If network is disconnected, the speaker switches to the standby mode. Then the LED indicator on the unit turns red.

AUTO POWER On/Off

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

Turning on automatically by this function is supported only on network standby mode except an optical signal. Check dimmed white LED on the unit.

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.

This function turns on or off each time you press **AUTO POWER**.

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.
- If you want to use AUTO POWER, SIMPLINK must be turned off. It takes for about 30 seconds to switch on or off SIMPLINK.
- 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, **Bluetooth**, LG TV and Portable 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 a 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 LG TV signal comes in

When you turn on your LG TV connected by LG Sound Sync (Wireless connection), this unit changes the function to LG TV. You can hear the sound from your TV.

When connect a Portable device

When you connect your portable device using a portable cable, this unit changes the function to Portable. You can hear the music from your device.

Note

- To change to optical function, it needs 5 seconds of no signal.
- This unit does not change the function to optical if SIMPLINK of the connected TV, Bluray 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 57)
- In WI-FI function without network connection, you cannot connect **Bluetooth** device and LG TV through LG Sound Sync (Wireless). To make these connections, change the function to the another.

Sound adjustment

Adjust volume level automatically

This unit supports Auto volume function that automatically adjusts the volume level.

When the output sound is too loud or too low, press **AUTO VOL** on the remote control. So you can enjoy the sound with appropriate levels.

To cancel this function, press the button again while "ON-AUTO VOLUME" is displayed.

Adjust the Treble/Bass/ Subwoofer

You can adjust the sound level of Treble, Bass and Subwoofer as your preference.

TREBLE/BASS : -5 dB to 5 dB

SUBWF (Subwoofer) : -15 dB to 6 dB

1. Press button repeatedly to select TREBLE, BASS or SUBWF (Subwoofer).
2. Press **VOL** +/— to adjust the sound level.

Night mode

Set Night mode to On to reduce the sound intensity and improve fineness and softness.

Press button on the remote control. So you can activate Night mode. To cancel it, press button again.

Standby mode

The speaker switches to the standby mode if there is no music playback or no button operation.

Standby mode

Option 1.

If network is disconnected and there is no music playback and no button operation for 15 minutes, the speaker switches to the standby mode. Then "GOOD-BYE" appears on the display window and the LED indicator on the unit turns red.

Option 2.

If you press and hold ⏻ on the unit or ⏻ on the remote control for about 3 seconds, the speaker switches to the standby mode. Then "GOOD-BYE" appears on the display window and the LED indicator on the unit turns red.

Network standby mode

Option 1.

When network is connected but music is not played and buttons are not pressed for 15 minutes, the speaker switches to the network standby mode. Then the LED indicator on the unit becomes dimmed in white.

Option 2.

If you press ⏻ on the unit or ⏻ on the remote control, the speaker switches to the network standby mode. Then the LED indicator on the unit becomes dimmed in white.

BLUETOOTH standby mode

If the **Bluetooth** standby mode is set to ON, the speaker switches **Bluetooth** standby mode when is turned off.

When you turn on the main unit in the **Bluetooth** standby mode, **Bluetooth** and LG TV are able to connect even if network is not connected.

Adjust volume level of the unit to minimum. And then, press and hold **VOL -** on the unit and **INFO** on the remote control for about 3 seconds. You can see "ON-BT STANDBY" and the unit switches **Bluetooth** standby mode.

To cancel this function, press **INFO** while "ON-BT STANDBY" is scrolled.

Note

- If you turn off the unit in the WI-FI function, **Bluetooth** standby mode does not operate.
- To use this function, you should turn on the AUTO POWER function.

Reset the Speaker

If the speaker is not turned on or doesn't respond, reset the speaker.

Resetting the speaker

- Press and hold the button until you hear the beep sound once. You can see "DISABLED" on the display window. Then all wireless network ports are deactivated and the stored wireless network information is deleted.
- Press and hold the button until you hear the beep sound twice. You can see "RESET" on the display window. You can reset the speaker to its original factory settings.

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.
The power does not turn on.	Is the power cord plugged into the outlet? • Connect the power plug to the outlet.
Sound is not produced.	Is the volume set to minimum? • Adjust the volume. • When you are using connection with a external device (set top box, **Bluetooth** device etc.), adjust volume level of the device. Is the mute function activated? • Press 🔇 or adjust the volume level to cancel the mute function. Is the function selected properly? • Check the input source and select the correct input source.
No woofer sound	Is the subwoofer plugged in? • Plug the power cord of subwoofer into the wall outlet securely. Is pairing between the unit and the subwoofer disconnected? • Connect the unit and the subwoofer. (Refer to the page 11.)
The remote control does not work properly.	Is the remote control too far from the unit? • Operate the remote control within about 7 m. Is there an obstacle in the path of the remote control and the unit? • Remove the obstacle. Are the batteries in the remote control 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. • Check sound setting of your TV and this unit.

Symptoms	Cause & Solution
When you feel the output sound of the unit is low.	Check the details below and adjust the unit according to them. • Switch the state of DRC function to [OFF] by using Music Flow Player. • 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 Mode is not On. Turn [OFF] Night Mode.
The unit does not connect with **Bluetooth** device.	• Turn off the **Bluetooth** connection lock function. (Refer to the page 57.)

Network

Symptoms	Cause & Solution
Cannot connect the speaker to your home network.	The wireless communication may be interrupted from household devices that are using radio frequencies. Move the speaker away from them.
Media servers are not displayed on the device list.	• The firewall or anti-virus software on your media server is running. Turn off the firewall or anti-virus software running on your media server. • Make sure that the speaker is connected to the same network that your media server is connected.
Music Flow Player doesn't work properly.	Is the Music Flow Player plugged in? • Plug in the Music Flow Player. Is the LAN cable connected to the wireless router and the Music Flow Player properly? • Connect the LAN cable to the LAN port on the back of the Music FlowPlayer and to your wireless router. When the Music Flow Player is plugged in, does the Music Flow Player's LED show it's operating properly? • If you experience troubles with connecting the Music Flow Player, try relocating the speaker closer to the wireless router or the Music Flow Player. If you restart the router? • You need to turn the speaker's power off and on again. If you install new router. • You need to perform a factory set and setup the network connection for speaker.

Application and PC Software

Symptoms	Cause & Solution
Music Flow Player app doesn't work properly.	Does an error occur when accessing the app? • Make sure that your smart device is compatible with the app. • Make sure that the Music Flow Player app is the latest version. • Make sure that the speaker's front LED turns from red to white.
Music Flow PC Software doesn't work properly.	Does the firewall on your PC set to enable? • Disable all your firewalls and try to connect again. Refer to your firewall's instruction or website. Is the LAN cable connected to the wireless router and your PC properly? • Ensure that the speaker and your PC are correctly connected to the local area network and can access the internet. • The wireless communication may be interrupted from household devices that are using radio frequencies. Move the speaker and your PC away from them.

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** button 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, press and hold **F** button (About 15 seconds) on the main unit until the display indicates current selected function.
Remote Control does not work. (No response)	

File requirement

Available File extensions : ".mp3", ".wma", ".flac", ".aac", ".ogg", ".wav"

Sampling frequency: within 32 to 48 kHz (mp3, wma), up to 192 kHz/24 bit (flac)

Bit rate: up to 320 kbps (mp3, wma)

- The file requirements are not always compatible. There may have some restrictions by file features and media server's ability.
- Some wav files are not supported on this speaker.
- Depending on the types of file or ways of recording, it may not play back.
- Some DRM-loaded files are not supported on this speaker.

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Specifications

General	
Power requirements	Refer to the main label on the unit.
Power consumption	Refer to the main label on the unit.
Dimensions (W x H x D)	Approx. 1200 mm x 58 mm x 145 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
Available Digital Input Audio format	Dolby Atmos, Dolby Audio, DTS Digital Surround, PCM

Input/Output	
OPTICAL IN	3 V (p-p), Optical jack x 1
PORTABLE IN	0.32 Vrms (3.5 mm stereo 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 2.2 are supported at 4K resolutions.

Amplifier (RMS Output)	
Total	500 W RMS
Front	43 W RMS x 2 (4 Ω at 1 kHz, THD 10 %)
Center	43 W RMS (4 Ω at 1 kHz, THD 10 %)
Surround	43 W RMS x 2 (4 Ω at 1 kHz, THD 10 %)
Top	43 W RMS x 2 (4 Ω at 1 kHz, THD 10 %)
Subwoofer	200 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	200 W RMS
Max. Input Power	400 W RMS
Dimensions (W x H x D)	Approx. 296 mm x 332 mm x 296 mm

System	
LAN port	Ethernet jack x 1, 10 BASE-T/100 BASE-TX
Wireless LAN (Internal antenna)	Integrated IEEE 802.11n (Draft 2.0) wireless networking access, compatible with 802.11a/b/g/n Wi-Fi networks.

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

Handling the Speaker

When shipping the speaker

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

Keeping the exterior surfaces clean

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

Cleaning the speaker

To clean the player, 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 speaker.

Important Information Relating to Network Services

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We may impose limits on the use of or access to certain third party content, application or services, in any case without notice or liability. We expressly disclaims any responsibility or liability for any change, interruption, disabling, removal of or suspension of any content, application or service made available through this LG Software. We are neither responsible nor liable for customer service related to the content, application and services. Any question or request for service relating to third party's content, application or services should be made directly to the respective content and service providers or application developers, as appropriate.

These terms do not affect your statutory rights as a consumer.

Suitability of the Services for children and parental control tools

Modify this accordingly to suit if appropriate: The Services are not directed at children under the age of 13 and are not structured specifically to attract children under 13. Further, certain content that you may access through your use of the Services may contain material that you consider indecent, objectionable or which may not be suitable for children.

If you permit a child to use your LG Smart TV to access the Services, you are solely responsible for deciding whether or not the relevant Services are appropriate for access by that child.

[Your Smart TV offers a parental control tool (by way of a 4 digit PIN). If you have enabled the 4-digit PIN, your LG Smart TV will not be able to display restricted content unless you type in the PIN. You are responsible for setting up and maintaining the parental control tool and any other controls that are available, and we will not be responsible for any harm, loss or damage you suffer or any other user of your LG Smart TV suffers as a result of your failure to do so. Depending on the models of your LG Smart TV, these features may not be available.

Viruses and Security

Modify this accordingly to suit if appropriate: We use commercially reasonable efforts to ensure that the Services are secure and virus free, but those efforts cannot and do not guarantee that the Services will be free from bugs, viruses, or other vulnerabilities.

Further, we do not accept responsibility for any loss or damage caused by a virus, distributed denial-of-service attack, or other technologically harmful material that may infect your LG Smart TV, data or other material belonging to you, during your use of the Services.

Modify as you think appropriate: Complaints

If you have any queries, concerns or complaints about the Services, please contact [include reference to non-personal LG email address].

Modify as you think appropriate: Miscellaneous

Unless expressly stated otherwise, these Terms of Use and the documents referred to in them contain the entire agreement between us and you relating to your use of the Services and supersede any previous agreements, arrangements, undertakings or proposals, written or oral, between us and you relating to your use of the Services.

We may assign, sub-contract or otherwise transfer any or all of our rights and obligations under these Terms of Use to any company, firm or person. We can only do this if it does not materially affect your rights under these Terms of Use. You may not assign, sub-contract or otherwise transfer your rights or obligations under these Terms to anyone else (except where you dispose of your LG Smart TV to a third party) unless you first agree this with us in writing.

If we decide not to exercise or enforce any right that we have against you at a particular time, then this does not prevent us from later deciding to exercise or enforce that right.

If any part of these Terms of Use is found to be illegal, invalid or otherwise unenforceable by a court or regulator, then, where required, that part shall be deleted and the remaining parts of the Terms of Use will continue to be enforceable.

These Terms of Use do not create or infer any rights that are enforceable by any person who is not party to them.

These Terms of Use are governed by the laws of the country where your LG Smart TV is sold and both you and LGE agree to submit to the exclusive jurisdiction of the courts of the country where your LG Smart TV is sold in connection with the same

This Agreement shall be governed by the laws of the Republic of Korea, excluding their conflicts of laws provisions.

If you have any questions or comments about these Terms of Use please contact www.lg.com.

These Terms of Use may be updated by LGE from time to time. If we make a material change to our Terms of Use, we will update you via your LG Software or other means.

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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 three (3) years from the date on which you purchased the product.

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