LG
Life's Good

OWNER'S MANUAL

Wireless Sound Bar

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

MODEL
SJ7 (SJ7, SJ7-C, SPJ8B-W)



www.lg.com

Safety Information



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



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



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

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

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

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

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 concerning the Power Cord

Check the specification page of this owner's manual to be certain of the power requirements for this device. Check the specification page of this owner's manual to be certain. 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. The Power Plug is the disconnecting device. In case of an emergency, the Power Plug must remain readily accessible

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

This device is equipped with a portable battery or accumulator.

Safe way to remove the batteries from the equipment: Remove the old batteries 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 batteries or the battery pack must be put it in the appropriate container at designated collection points. Do not dispose of batteries or battery pack together with other waste. It is recommended that you use local, free reimbursement systems batteries and accumulators.
The batteries should not be exposed to excessive heat such as sunshine, fire or the like.

For models using an adapter

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

CAUTION when using this product in environments of low humidity

- It may cause static electricity in environments of low humidity.
- It is recommended to use this product after touching any metal object which conducts electricity.

Symbols

~	Refers to alternating current (AC).
⎓	Refers to direct current (DC).
⧈	Refers to class II equipment.
⏻	Refers to stand-by.
|	Refers to “ON” (power).
⚡	Refers to dangerous voltage.

OPEN SOURCE SOFTWARE NOTICE INFORMATION

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

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

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product.

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Unique features

Auto power down

This unit will turn off by itself for energy saving consumption.

LG Sound Sync

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

BLUETOOTH®

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

Introduction

Symbols used in this manual

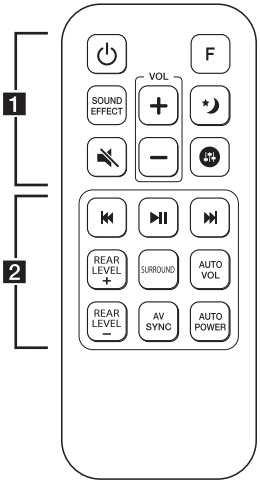
Note

Indicates special notes and operating features.

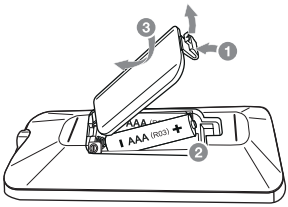
Caution

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 batteries with ⊕ and ⊖ matched correctly.

1

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

F : Selects the function and the input source.

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

SOUND EFFECT : Selects a sound effect mode.

VOL +/— : Adjusts speaker volume.

(Night mode) **:** Turns on or off Night mode.

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

: Adjusts sound level of subwoofer, treble and bass (Page 32.)

2

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

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

REAR LEVEL +/— : Adjusts rear level of Secondary unit on the REAR usage mode.

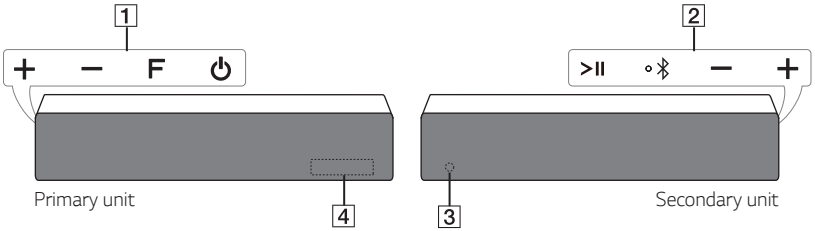
SURROUND: Turns on/off Surround function. (Page 33.)

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

AV SYNC :
- Synchronizes the audio and video.
- Controls this unit using TV remote. (Page 24.)

AUTO POWER :
- Turns on or off AUTO POWER function. (Page 25.)
- Turns on or off the **Bluetooth** connection lock. (Page 28.)

Front/Side panel



1 **+ / —** (Volume) **:** Adjusts volume level

F (Function) **:** Selects the function and input source.

⏻ (Standby)

2 **>II** (Play/Pause)**:**
- Starts or pauses playback in the **Bluetooth** function. (SOUND BAR or REAR usage mode)
- Starts or pauses playback of Secondary unit. (PORTABLE usage mode)

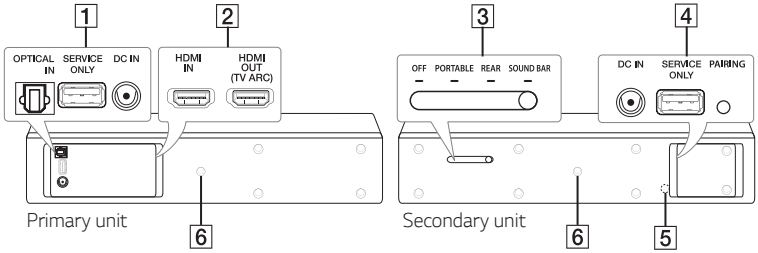
ᛒ :
- Press to select **Bluetooth** function. (SOUND BAR or REAR usage mode)
- Press and hold to connect another Bluetooth device. (PORTABLE usage mode)

+ / — (Volume) **:** Adjusts volume level

3 LED indicator (Connection LED)

4 Display window

Rear panel



1 **OPTICAL IN :** Optical input

USB (SERVICE ONLY) : S/W download connector

DC IN : AC adapter input

2 **HDMI IN / OUT (TV ARC) :** HDMI input / output.

3 Usage Mode Switch **:** Selects usage mode.

4 **DC IN :** AC adapter input

USB (SERVICE ONLY) : S/W download connector

PAIRING : Connects Primary unit and Secondary unit. (REAR, SOUND BAR usage mode only)

5 Battery LED

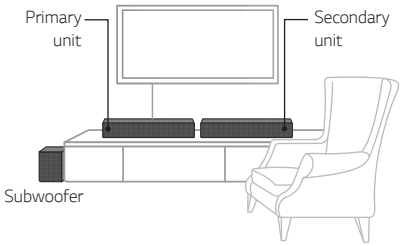
6 Screw Hole :
- Screws for use : M4 x 8
- Use for the Univesal Bracket Mounting.
- Use brackets 3 mm or less in thickness.

Positioning the Unit

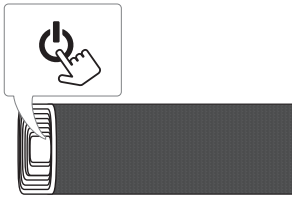
You can enjoy various usage mode by Usage Mode Switch. Choose one of the following modes.

SOUND BAR usage mode (2.1 ch)

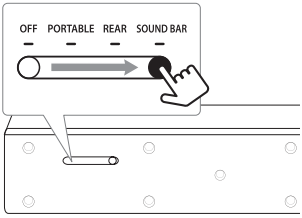
Primary unit and Secondary unit play as FRONT L/R (Left/Right) speaker like a sound bar.
When disconnecting AC Adapter of Secondary unit, the audio output may be reduced.



1. Turn on the Primary unit by pressing ⏻.



2. Turn on the Secondary unit by switching the Usage Mode Switch to **SOUND BAR**.



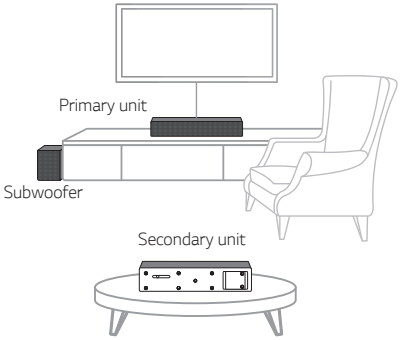
3. The LED indicator of Secondary unit blinks with white.

   When this unit is successfully connected, SOUND BAR appears in the display window of Primary unit and the LED indicator of Secondary unit turns on white.

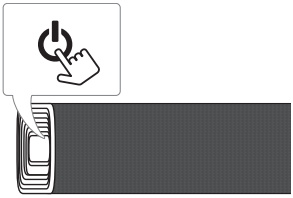
> **Note**
>
> If the connection is failed or disconnected, the LED indicator turns on red.

REAR usage mode (4.1 ch)

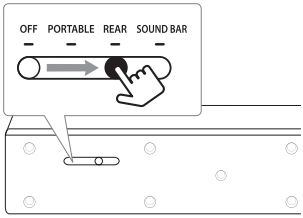
Primary unit plays as front speaker and Secondary unit plays as rear surround speaker.
When disconnecting AC Adapter of Secondary unit, the audio output may be reduced.



1. Turn on the Primary unit by pressing ⏻.



2. Turn on the Secondary unit by switching the Usage Mode Switch to **REAR.**



3. The LED indicator of Secondary unit blinks with white.

   When this unit is successfully connected, REAR appears in the display window of Primary unit and the LED indicator of Secondary unit turns on white.

Note

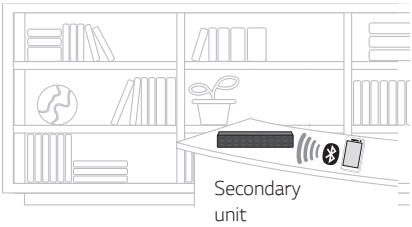
If the connection is failed or disconnected, the LED indicator turns on red.

PORTABLE usage mode

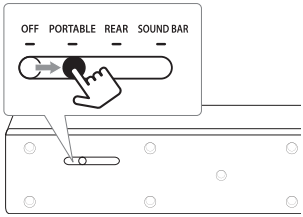
You can play Secondary unit without Primary unit.

Primary unit and Secondary unit play separately with each connected device.

- Secondary unit : Stereo



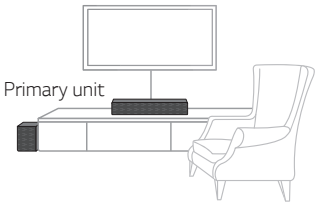
Turn on the Secondary unit by switching the Usage Mode Switch to **PORTABLE.**



For more information of Bluetooth connection, refer to the page 27.

Note

When Secondary unit is PORTABLE usage mode, Primary unit operates sepately as 2.1 ch sound bar.

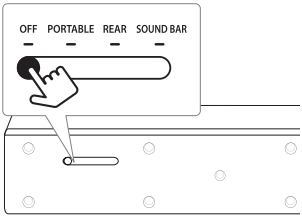


OFF usage mode (2.1 ch)

Primary unit plays alone without Secondary unit

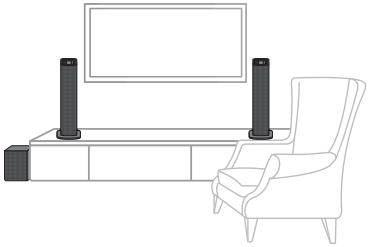


Turn on the Secondary unit by switching the Usage Mode Switch to **OFF.**



Stand the unit

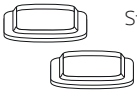
You can stand the Primary and Secondary unit using stand.
It is recommended to use the stand on SOUND BAR usage mode only.



Preparation materials

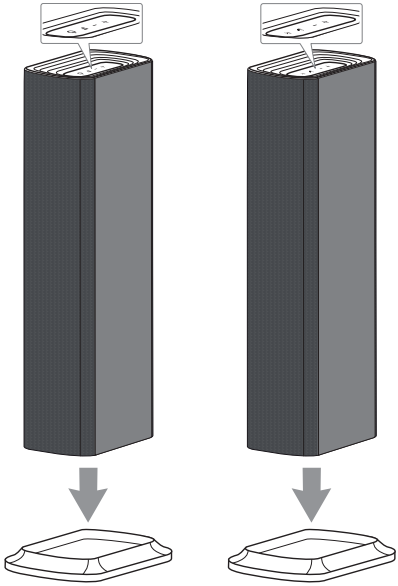


Unit



Stand

Place the side panel with button facing upward.



Caution

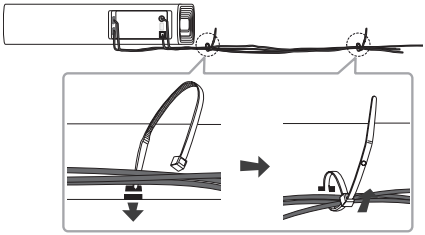
Be careful that the speaker does not fall down. Otherwise it may result in the speaker malfunction and cause personal injury and/ or property damage.



Organizing cables

You can organize the cable with cable ties.

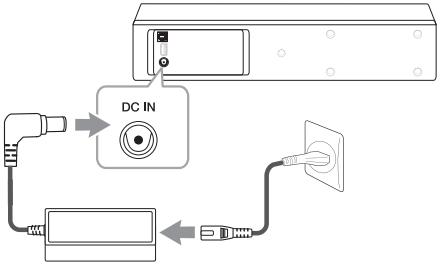
1. Hold the cables together with cable ties as shown below.
2. Tighten cable ties.



Connecting the AC Adapter

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

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



Caution

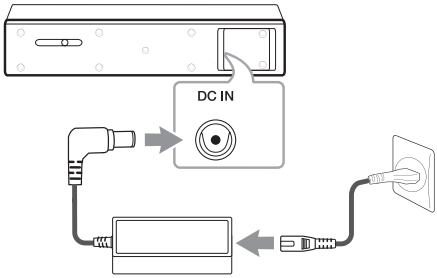
Only use the AC adapter supplied with this device. Do not use a power supply from another device or manufacturer. Using any other power cable or power supply may cause damage to the device and void your warranty.

Charging the Unit (Secondary unit only)

Connecting the AC adapter

Secondary unit uses built-in battery. Before using it, charge the battery by connecting the AC Adapter.

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



If the battery is fully charged in charging mode, LED is changed from red to green. Then LED is turned off after 15 seconds.

Checking the charging status

When AC Adapter is connected, battery charging is started. You can check the charging status by ● Battery LED on the rear of Secondary unit .

LED	Description
Green	Battery is fully charged. Battery LED turns on green for 15 seconds and turned off.
● Red	Battery is charging.

Note

- Operating time is approx. 4 hours. (Based on fully charged the battery and continuous playback using 50 % volume level.)
  It may vary depending on the battery status and operational conditions.
- If you listen to the music while charging, it will take longer to charge.

Checking Battery status

If the power turned on, you can check the battery status by pressing buttons on side panel of Secondary unit. The ● Battery LED is displayed for 15 seconds and turned off.
Then ● Battery LED light will change depending on battery status.

LED	Condition	Status
Green	Battery LED turns on green.	≧ 70 %
● Amber	Battery LED turns on amber.	≧ 10 %
● Red Blinking	Battery LED blinks with red.	< 10 %
	Battery LED is turned off	0 %

Secondary unit connection

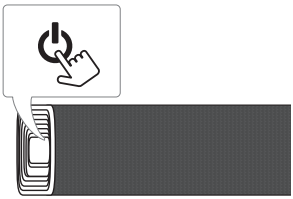
LED indicator of Secondary unit

You can check the connected status of Primary unit and Secondary unit by LED indicator of Secondary unit.

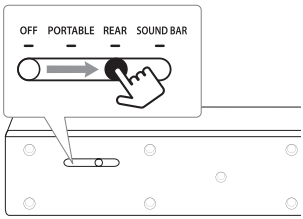
LED Color	Status
White (Blink)	Attempting to make connection.
White	The connection is completed.
● Red	The Secondary unit is in standby mode or the connection is failed.

Connecting the Primary unit and Secondary unit

1. Connect the power cord to the Primary unit and plug the power cord into a power outlet.
2. Turn on the Primary unit by pressing ⏻.



3. Turn on the Secondary unit by switching the Usage Mode Switch to REAR or SOUND BAR.:



4. The Primary unit and Secondary unit will be automatically connected.
   - When this unit is successfully connected, SOUND BAR or REAR appears in the display window of Primary unit.
   - White LED on the front of Secondary unit turns on.

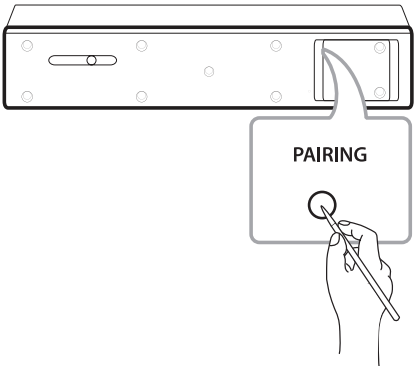
Note

If the connection is failed or disconnected, the LED indicator turns on red.

Manually pairing Secondary unit

When the pairing operate abnormally, you can check red LED on the Secondary unit and the Secondary unit does not make sound. To solve the problem, follow the steps below.

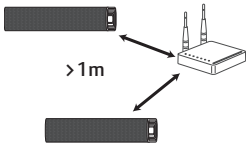
1. Turn off the Primary unit.
2. Press PAIRING button on the rear of the Secondary unit.



   - The white LED on the front of the Secondary unit blinks.
3. Turn on the Primary unit.
4. Pairing is completed.
   - The white LED on the front of the Secondary unit turns on.

Note

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



Wireless subwoofer connection

LED indicator of wireless subwoofer

LED Color	Status
Green (Blink)	Attempting to make connection.
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.

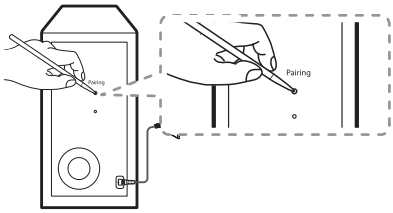
Setting up the wireless subwoofer for the first time

1. Connect the power cord to the subwoofer and plug the power cord into a power outlet.
2. Turn on the Primary unit : The sound bar and wireless subwoofer will be **automatically** connected.
   - Green LED on the rear of wireless subwoofer turns on.

Manually pairing wireless subwoofer

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

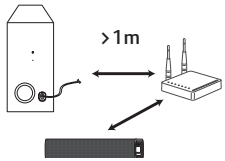
1. Press **Pairing** button on the rear of the wireless subwoofer.



   - The green LED on the rear of the wireless subwoofer blinks quickly.
2. Turn on the Primary unit.
3. Pairing is completed.
   - The green LED on the rear of the wireless subwoofer turns on.

Note

- It takes a few seconds (and may take longer) for the Primary unit and the subwoofer to communicate with each other and make sounds.
- The closer the Primary unit and the subwoofer, the better sound quality. It is recommended to install the Primary unit and the subwoofer as close as possible and avoid the cases below.
  - There is an obstacle between the Primary unit and the subwoofer.
  - There is an 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 1m. to prevent wireless interference.



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 pages 17 - 23.)



Caution

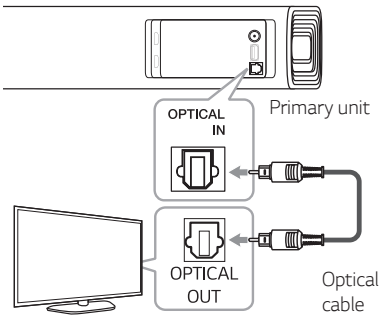
- For best performance of wireless connection such as Bluetooth or wireless subwoofer, do not install the unit on Metallic furniture because wireless connection communicates through a module positioned on the bottom of the unit.
- Be careful not to make scratches on the surface of the Unit / Subwoofer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

Connecting to your TV (Primary unit)

Please connect this unit and the TV using the optical digital cable or HDMI cable considering the capability 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 control or unit repeatedly.

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

Note

- Before connecting the optical cable, be sure to remove the protection plug cover if your cable has the cover.
- You can enjoy the TV audio through the speakers of this unit. In the case of some TV models, you must select the external speaker option from the TV menu. (For details, reference your TV user manual.)
- 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 has priority.

LG Sound Sync

Sound Sync Wireless

You can control some functions of this unit using your TV's remote control with LG Sound Sync. It is compatible with LG TVs that support LG Sound Sync. Make sure there is an LG Sound Sync logo on your TV.

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

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

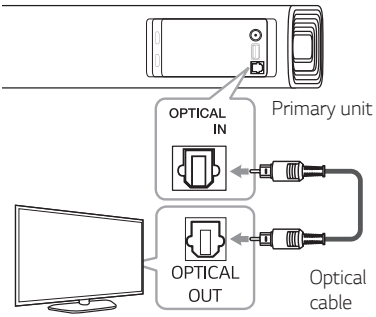
Make one of the following connections, depending on the capabilities of your equipment.

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 from one function to another.
  - Disconnecting the optical cable.
  - Disconnecting the wireless connection caused by interference or distance.
- The amount of time to turn off this unit is different depending on your TV when you set AUTO POWER function to ON.
- The details of the TV settings menu may vary depending on the model of your TV.

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 unit.
4. Select the input source to OPT/HDMI ARC by pressing **F** button on the remote control or unit repeatedly.

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

With wireless connection

1. Turn on the unit by pressing ⏻ on the remote control or unit.
2. Select the input source to LG TV by pressing **F** button on the remote control or unit repeatedly.
3. 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 (Wireless)]

   "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.

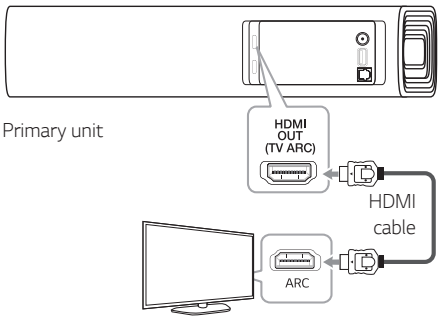
Note

If you turned off the unit directly by pressing ⏻ on the remote control or unit., LG Sound Sync (Wireless) will be disconnected. To use this function again, you should reconnect the TV and 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. Please refer to your TV user manual when you check HDMI CEC/ARC function of your TV.

1. Connect the HDMI OUT (TV ARC) jack on the back of the unit to HDMI 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 control 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)]
- Depending on your LG TV model, you may need to turn on the SIMPLINK function on your LG TV.
- Details of the TV settings menu may vary depending on the manufacturer or model of your 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 a 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 TVs with SIMPLINK are connected through HDMI connection.

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

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

LG TV's with the SIMPLINK function will have a logo as shown above.

Note

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

Additional information for HDMI

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

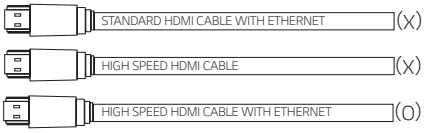
Note

- If a connected HDMI device does not accept the audio output of the 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, the TV screen is changed to black. 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 do not support the ARC function, this can result in no sound output.

When connecting this unit to the TV, if there is no sound, there might be a problem with the HDMI cable. Therefore connect this unit to the TV and check whether the Type A, High speed HDMI™ Cable with Ethernet.



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/ Link (Sony), EasyLink (Philips), EZ-Sync/ VIERA Link (Panasonic), etc..

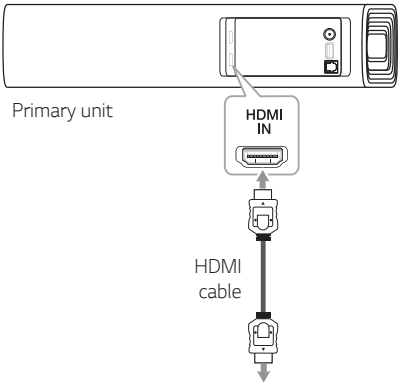
Optional equipment connection

HDMI connection

You can enjoy the sound and picture from HDMI connection on external device.

For enjoying sound only

You can enjoy the sound from the external device you connect.

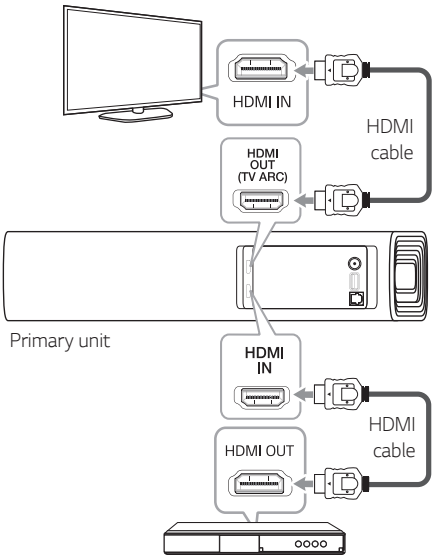


To the Blu-ray disc player, DVD player, etc.

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

For enjoying both sound and picture

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



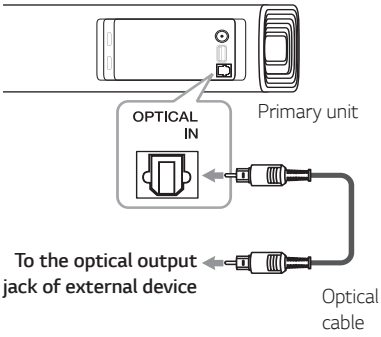
1. Connect HDMI IN jack on the back of the unit to HDMI OUT jack on the external device such as Blu-ray disc player, DVD player, etc.
2. Connect HDMI OUT (TV ARC) jack on the back of the unit to HDMI IN jack on the TV.
3. Select the input source to HDMI by pressing **F** button on the remote control or unit repeatedly.

Note

- Audio and Video signal can't pass through when this unit is turned off.
- HDMI OUT (TV ARC) jack is for TV connection. Even though multi channel is inputted to the unit through an HDMI cable, the unit can only output PCM 2 channel to TV.

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 control or unit repeatedly.

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

Note

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

Other operations

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 scroll up and down through the delay amount, which you can set at anything between 0 and 300 ms.

Note

You can adjust the delay time by 10 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.

Auto display dimmer

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

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

Using your TV remote control

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

Press and hold **AV SYNC** on the remote control for about 2 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 CEC, SIMPLINK and LG Sound Sync set to ON.

Auto power down

This unit will turn itself off to save electric consumption if the Primary unit is not connected to an external device and has not been used for 15 minutes.

How to disconnect the wireless network connection or the wireless device

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

AUTO POWER On/Off

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

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

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

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 the AUTO POWER function. However the unit can be turned on by the AUTO POWER function when an optical signal comes in after there has been at least 5 seconds of no signal input.
- 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 this unit on for the first time, the status of the Auto Power function is turned on.
- To use this function, the Primary unit must be registered in paired devices list of **Bluetooth** devices.
- 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** and LG TV and then changes to the suitable function automatically.

When an 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 an 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.

Note

- To change to optical function, it needs at least 5 seconds of no signal.
- This unit does not change the function to Optical if SIMPLINK of the connected TV, Blu-ray disc player, set-top box or etc. device is set to on or connected CEC supported device is turned on.
- If you want to use the auto function change, trun 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, the **Bluetooth** connection will only be available on **Bluetooth** and LG TV function. (Page 28.)

Using BLUETOOTH® technology

About BLUETOOTH

Bluetooth is wireless communication technology for short range connection.

The sound may be interrupted when the connection has interference from other electronic waves or when you connect **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 unit is compatible with following profile.

A2DP (Advanced Audio Distribution Profile)

Listening to music stored on the Bluetooth devices (Primary unit)

Pairing your Primary unit and a BLUETOOTH device

Before you start the pairing procedure, make sure that the **Bluetooth** feature is turned on in your **Bluetooth** device. 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 input source to BT (**Bluetooth**) by pressing **F** button on the remote control or unit repeatedly.
   "BT" → "READY" appears in the display window in order.
2. Operate the **Bluetooth** device and perform the pairing operation. When searching for this unit with the **Bluetooth** device, a list of the devices found may appear in the **Bluetooth** device display depending on the type of **Bluetooth** device. Your unit appears as "LG SJ7 (XX)".

Note

- XX means the last two digits of **Bluetooth** address. For example, if your unit has a **Bluetooth** address such as 9C:02:98:4A:F7:08, you will see "LG SJ7 (08)" on your **Bluetooth** device.
- Depending on the **Bluetooth** device type, some device have a different pairing way. Enter the PIN code (0000) as needed.

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

Note

If it is unavailable to display the device's name on the unit, "_" will be displayed.

4. Listen to music.
To play a music file stored on your **Bluetooth** device, refer to your **Bluetooth** device's user guide.

Note

- When using **Bluetooth** technology, you have to make a connection between the unit and the **Bluetooth** device as close as possible and keep the distance short.
However it may not work well in the cases below :
  - If there is a obstacle between the unit and the **Bluetooth** device.
  - If there is a device using the same frequency as the **Bluetooth** technology such as medical equipment, a microwave or a wireless LAN device.
- You should connect your **Bluetooth** device to this unit again when you restart it.
- The sound may be interrupted when the connection is interfered with by some other electronic waves.
- Pairing is limited to one **Bluetooth** device per unit and multi-pairing is not supported.
- Depending on the type of the device, you may not be able to use the **Bluetooth** function.
- You can enjoy **Bluetooth** function using smart phone, MP3, Notebook, etc..
- The more distance between the unit and the **Bluetooth** device, the lower the sound quality becomes.

Note

- **Bluetooth** connection will be disconnected when the unit is turned off or the **Bluetooth** device gets far from the unit.
- When the **Bluetooth** connection is disconnected, connect the **Bluetooth** device to the unit again.
- When the unit is not connected, "READY" appears in the display window.
- When you connect a **Bluetooth** device (iOS device etc.) to this unit or operate the device, the volume level can be synchronized between the two devices.
- You can control a **Bluetooth** device using ⏮ / ⏭ (Skip) and ⏯ (Play/Pause) buttons on the remote control.
- If you change to another function after connecting **Bluetooth** device, **Bluetooth** connection will be disconnected. When you return to **Bluetooth** function, **Bluetooth** connection will be connected automatically.

BLUETOOTH connection lock (BT Lock) -Primary unit only

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

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** connections.

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.

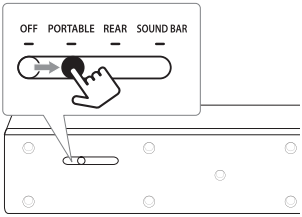
Note

Even if you set up **Bluetooth** connection lock to On, this sound bar turns on by Auto Power function. Turn off Auto Power function to prevent it.

Listening to music stored on the Bluetooth devices (Secondary unit)

Pairing your Secondary unit and a BLUETOOTH device

1. Turn on the Secondary unit by switching the Usage Mode Switch to **PORTABLE.** The **Bluetooth** LED on SLAVE unit blinks with white.



2. Operate the **Bluetooth** device and perform the pairing operation. When searching for this unit with the **Bluetooth** device, a list of the devices found may appear in the **Bluetooth** device display depending on the type of **Bluetooth** device. Your unit appears as "LG SJ7-2ND (XX)".

Note

- XX means the last two digits of **Bluetooth** address. For example, if your unit has a **Bluetooth** address such as 9C:02:98:4A:F7:**08**, you will see "LG SJ7-2ND (**08**)" on your **Bluetooth** device.
- Depending on the **Bluetooth** device type, some device have a different pairing way. Enter the PIN code (0000) as needed.

3. When this unit is successfully connected, the **Bluetooth** LED turns on white with beep sound.

Note

If the connection is failed or disconnected, The **Bluetooth** LED turns on white for 15 minutes and change to red.

4. Listen to music.
   To play a music file stored on your **Bluetooth** device, refer to your **Bluetooth** device's user guide.

Note

- **Bluetooth** connection using the TV, PC or dongle is not supported.
- When you turn on the Secondary unit or enter portable usage mode, the Secondary unit requests a connection to the last connected **Bluetooth** device.
- If you want to connect another **Bluetooth** device with the existing **Bluetooth** device connected status, press and hold the ᛒ.on Secondary unit. Then a beep sounds and you can connect another **Bluetooth** device.

Using BLUETOOTH App

Note

- Only Android OS is available to use "Music Flow Bluetooth " app with this unit.
- Additional data charges may occur if installed over 3G/4G, according to your device plan.

About "Music Flow Bluetooth" App

"Music Flow Bluetooth" app brings a suite of new features to this unit.

To enjoy more features, it is recommended that you download and install the free "Music Flow Bluetooth" app.

Install "Music Flow Bluetooth" App onto Your BLUETOOTH Device

There are two ways to install "Music Flow **Bluetooth**" App onto Your **Bluetooth** Device.

Install "Music Flow Bluetooth" App through QR code

1. Install "Music Flow Bluetooth" app through QR code. Use the scanning software to scan the QR code.

2. Tap an icon for installation.

Note

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

Install "Music Flow Bluetooth" App through "Google Android Market (Google Play Store)"

1. Tap the "Google Android Market (Google Play Store)" icon.
2. In the search bar, type in "Music Flow Bluetooth" and then tap search.
3. In the search result list, find and tap "Music Flow Bluetooth" to start downloading **Bluetooth** app.
4. Tap an icon for installation.
5. Tap an icon for downloading.

Note

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

Activate BLUETOOTH with "Music Flow Bluetooth" App

"Music Flow Bluetooth" app helps to connect your **Bluetooth** device to this unit.

1. Tap "Music Flow Bluetooth" app icon on the home screen to open "Music Flow Bluetooth" app, and go to the main menu.
2. If you want to get more information to operate, tap [Setting] and tap [Help] menu.

Note

- "Music Flow Bluetooth" app will be available in the software version as follow;
  - Android O/S : Ver 4.0.3 (or later)
- If you use "Music Flow Bluetooth " app for operation, there would be some differences between "Music Flow Bluetooth" app and the supplied remote control. Use the supplied remote control as necessary.
- Depending on the **Bluetooth** device, "Music Flow Bluetooth" app may not work.
- After connection of "Music Flow Bluetooth" app, music may be output from your device. In this case, try connecting procedure again.
- If you operate other applications or change the settings on your **Bluetooth** device while using "Music Flow Bluetooth" app, "Music Flow Bluetooth " app may operate abnormally.
- When "Music Flow Bluetooth" app operates abnormally, check your **Bluetooth** device and the connection of "Music Flow Bluetooth" app and then try to connect again.
- Depending on the smart phone's operating system, you have some differences for "Music Flow Bluetooth" operation.
- Even though **Bluetooth** connection will be disconnected, you can use "Music Flow Bluetooth" app when you change the function.
- You can use the additional functions of this unit using "Music Flow Bluetooth" app.
- Additional features offered by "Music Flow Bluetooth" app may not work depending on the distance between this unit and **Bluetooth** device and wireless conditions.

Sound adjustment

Setting sound effect

This system has a number of pre-set surround sound fields. You can select a desired sound mode by using **SOUND EFFECT**.

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

On Display	Description
ASC (Adaptive Sound Control)	Analyzes the property of the input sound and provides the sound optimized for the content in real time.
BASS BLAST	Reinforces the treble, bass and surround sound effect.
STANDARD	You can enjoy optimized sound.
CINEMA	You can enjoy more immersive and cinematic surround sound.

Note

- In some of the sound effect modes, there will be no sound or low sound from some of the speakers. It depends on the mode of sound and the source of audio, it is not a defect.
- You may need to reset the sound effect mode, after switching the input, sometimes even after the sound file changed.
- Sound effect order may be different depending on the regional option.

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.

Adjust the Subwoofer/Treble/Bass

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

WF (Subwoofer) : -15 dB to 6 dB

TRE (Treble) / BAS (Bass) : -5 dB to 5 dB

1. Press button repeatedly to select TRE (Treble), BAS (Bass) or WF (Subwoofer).
2. Press **VOL +/—** to adjust the sound level.

Night mode

This function is useful when you want to watch movies at low volume late at night. 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.

Adjust the REAR LEVEL

You can adjust rear level of Secondary unit on the REAR usage mode.

R (Rear Level) : -6 dB to 6 dB

Press **REAR LEVEL +/—** button to adjust the rear level

Surround mode

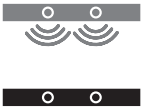
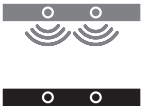
You can enjoy magnificent surround sound for all the input sound source with rear speakers.

This function turns on or off each time you press **SURROUND** button on the remote control.

Surround function ON

Sound Effect	Input	Output
ASC	2.0 Ch	
	5.1 Ch	
STANDARD	2.0 Ch	
	5.1 Ch	
BASS BLAST	2.0 Ch	
	5.1 Ch	
CINEMA	2.0 Ch	
	5.1 Ch	

Surround function OFF

Sound Effect	Input	Output
ASC	2.0 Ch	
	5.1 Ch	
STANDARD	2.0 Ch	
	5.1 Ch	
BASS BLAST	2.0 Ch	
	5.1 Ch	
CINEMA	2.0 Ch	
	5.1 Ch	

Troubleshooting

General

PROBLEM	CAUSE & CORRECTION
The unit does not work properly.	• Turn off the power of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and turn them on again. • Disconnect the power cord of this unit and the connected external device (TV, Woofer, DVD-player, Amplifier, etc.) and then try connecting again. • Previous setting may not be saved when device power is shut off.
No Power	Primary unit • The power cord is unplugged. Plug in the power cord. • Check whether electricity failed. Check the outlet condition by operating other electronic devices using the same wall outlet. Secondary unit • The battery is discharged. Recharge the battery. • Connect the unit to the power supply with the AC adapter. • Fully charge the device before using for the first time.
No sound	Primary unit • Incorrect input source is selected. Check the input source and select the correct input source. • The mute function is activated. Press (Mute) or adjust the volume level to cancel the mute function. • When you are connected to an external device (Set Top Box, **Bluetooth** device etc.), adjust volume level of the device. Secondary unit • The unit or **Bluetooth** device's volume is set to minimum. Check and adjust the volume of the unit or Bluetooth device's volume. • Check the connection of secondary unit and a **Bluetooth** device. (Page 29.) • Check the the surround function is turned off. (Page 33.)
No woofer sound	• The power cord of the subwoofer is not connected. Plug the power cord into the wall outlet securely. • Pairing between the unit and the subwoofer has disconnected. Connect the unit and the subwoofer. (Page 15.)
The remote control does not work properly.	• The remote control is too far from the unit. Operate the remote control within about 7 m. • There is an obstacle in the path of the remote control and the unit. Remove the obstacle. • The batteries in the remote control have exhausted. Replace the batteries with new ones.

PROBLEM	CAUSE & CORRECTION
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 the connection of LG Sound Sync (Optical or wireless). • Check the sound setting of your TV and this unit.
The unit does not connect with **Bluetooth** device	• Turn off the **Bluetooth** connection lock function. (Page 28.)
When you feel the output sound of the unit is low.	Check the details below and adjust the unit according to them. • With the sound bar connected with TV, change the AUDIO DIGITAL OUT setting on TV Setup Menu from [PCM] to [AUTO] or [BITSTREAM]. • With the sound bar connected with Player, change the AUDIO DIGITAL OUT setting on Player Setup Menu from [PCM] to [PRIMARY PASS-THROUGH] or [BITSTREAM]. • Change the Audio DRC setting of the connected device setup menu to the [OFF] state. • Make sure Night Mode is not On. Turn [OFF] Night Mode.

NOTES to use wireless

PROBLEM	CAUSE & CORRECTION
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 makes contact with 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, medical equipment or a microwave) using the same frequency, make the distance between the products as far as possible away from each other. • When connecting the device to a **Bluetooth** device, make the distance between the products as close as possible. • When the device gets too far from the **Bluetooth** device, the connection is • disconnected and the unit may malfunction.

NOTES to release Demo mode

PROBLEM	CAUSE & CORRECTION
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)	

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HIGH-DEFINITION MULTIMEDIA INTERFACE

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Specifications

General	
Power consumption	Refer to the main label.
AC adapter	• Model : DA-38A25 • Manufacturer : Asian Power Devices Inc. • Input : 100 - 240 V ~ 50 - 60 Hz 1.2 A • Output : 25 V ⎓ 1.52 A
Dimensions (W x H x D)	Approx. 340 mm x 74 mm x 110 mm With foot (In each of Primary unit and Secondary unit)
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 90 %
Available Digital Audio In Sampling Frequency	32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Available Digital Audio In format	Dolby Audio, DTS Digital Surround, PCM

Input/Output	
OPTICAL IN (Digital audio in)	3 V (p-p), Optical jack x 1
HDMI IN	19 Pin (Type A, HDMI™ connector) x 1
HDMI OUT	19 Pin (Type A, HDMI™ connector) x 1

Battery (Secondary unit)	
Battery capacity	2,600 mAh
Operating time	Approx. 4 hours . It may vary depending on the battery status and operational conditions.
Charging time	Less than 3 hours 40 minutes (with AC Adapter). It can be varied depending on the conditions of the battery or operation.

Wireless subwoofer	
Power requirements	Refer to the main label on the wireless subwoofer.
Power consumption	Refer to the main label on the wireless subwoofer.
Type	1 Way 1 Speaker
Impedance	3 Ω
Rated Input Power	160 W RMS
Max. Input Power	320 W RMS
Dimensions (W x H x D)	Approx. 171 mm x 320 mm x 252 mm

Amplifier(RMS Output) **specifications**

SOUND BAR usage mode	
Total	320 W RMS (140 W RMS : in state of disconnecting AC Adapter from Secondary unit)
Front	80 W RMS x 2 (8 Ω at 1 kHz, THD 10%) (30 W RMS x 2 : in state of disconnecting AC Adapter from Secondary unit)
Subwoofer	160 W RMS (3 Ω at 80 Hz, THD 10%) (80 W RMS : in state of disconnecting AC Adapter from Secondary unit)

REAR usage mode	
Total	320 W RMS (140 W RMS : in state of disconnecting AC Adapter from Secondary unit)
Front	80 W RMS x 1 (8 Ω at 1 kHz, THD 10%) (30 W RMS x 1 : in state of disconnecting AC Adapter from Secondary unit)
Rear	80 W RMS x 1 (8 Ω at 1 kHz, THD 10%) (30 W RMS x 1 : in state of disconnecting AC Adapter from Secondary unit)
Subwoofer	160 W RMS (3 Ω at 80 Hz, THD 10%) (80 W RMS : in state of disconnecting AC Adapter from Secondary unit)

PORTABLE usage mode / OFF usage mode (Primary unit)	
Total	160 W RMS
Front	80 W RMS x 1 (8 Ω at 1 kHz, THD 10%)
Subwoofer	80 W RMS (3 Ω at 80 Hz, THD 10%)

PORTABLE usage mode (Secondary unit)	
Total	30 W RMS x 1 (8 Ω at 1 kHz, THD 10%)

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

Maintenance

Handling the unit

When shipping the unit

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

Keeping the exterior surfaces clean

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

Cleaning the unit

To clean the 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 unit.


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