

SIMPLE MANUAL

Cinema 3D Sound Blu-ray™ Home Theater System

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

BH9630TW (BH9630TW, S93T2-FL/FR/S, S93T2-W, T2, W3-2)

BH9630TW (BH9630TW, S93T4-FL/FR/S, S93T2-W, T2, W3-2)

BH9630WY (BH9630WY, S93T4-FL/FR/S, S93T2-W, T2, W3-2)



MFL67695856

Safety Information



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



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



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

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

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

CAUTION: Do not 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 : CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS

Use of controls, adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION concerning the Power Cord

To disconnect power from the mains, pull out the mains cord plug. When installing the product, ensure that the plug is easily accessible.

This device is equipped with a portable battery or accumulator.

Safety way to remove the battery or 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 shall not be exposed to excessive heat such as sunshine, fire or the like.

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



Caution

- Watching a 3D content for a long period time may cause dizziness or tiredness.
- It is not recommended to watch a movie in 3D mode for infirm, child and pregnant woman.
- If you are experiencing headache, tiredness or dizziness while viewing contents in 3D, it is strongly recommended to stop the playback and rest until you feel normal.

Notes on copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Network Software Update

Network update notification

From time to time, performance improvements and/or additional features or services may be made available to units that are connected to a broadband home network. If there is new software available and the unit is connected to a broadband home network, the player will inform you about the update as follows.

Option 1:

1. The update menu will appear on the screen when you turn off the player.
2. Use **</>** to select a desired option and then press ENTER (⏻).



[OK]	Starts the software update.
[Cancel]	Exits the update menu and turns the power off.

Option 2:

If the software update is available from the update server, the "Update" icon appears in the Home menu. Press blue (B) coloured button to start the update procedure.

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To view the Owner's Manual on the CD-ROM

Load the supplied CD-ROM into the CD-ROM drive on your PC. After a while, the web page will open automatically. (Windows users only)
If the web page does not appear automatically, browse the CD-ROM drive and double-click the "index.html" file.














To view the Owner's Manual on the CD-ROM, Adobe Acrobat Reader must be installed on your PC. The "Acrobat Reader" folder on the CD-ROM contains the installation program for Acrobat Reader.

Introduction

Playable discs and symbols used in this manual

1

Getting Started

Media/Term	Logo	Symbol	Description
Blu-ray	  	BD	<ul style="list-style-type: none"> Discs such as movies that can be purchased or rented. "Blu-ray 3D" discs and "Blu-ray 3D ONLY" discs. BD-R/RE discs that are recorded in BDAV format.
		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> BD-R/RE discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-ROM DVD-R DVD-RW DVD+R DVD+RW (12 cm)	    	DVD	<ul style="list-style-type: none"> Discs such as movies that can be purchased or rented. Movie mode and finalized only Supports the dual layer disc also
		AVCHD	Finalized AVCHD format
		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> DVD±R/RW discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
DVD-RW (VR) (12 cm)		DVD	VR mode and finalized only
Audio CD (12 cm)		ACD	Audio CD
CD-R/RW (12 cm)		MOVIE MUSIC PHOTO	<ul style="list-style-type: none"> CD-R/RW discs that contain Movie, Music or Photo files. ISO 9660+JOLIET, UDF and UDF Bridge format
Note	–		Indicates special notes and operating features.
Caution	–		Indicates cautions for preventing possible damages from abuse.

File requirement

Video files

File Location	File Extension	Codec Format	Audio Format	Subtitle
Disc, USB	“.avi”, “.mpg”, “.divx”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv”, “.m4v” (DRM free), “.vob”, “.3gp”, “.mov”, “.trp”, “.m2t”, “.mpe”, “.m1v”, “.m2v”, “.wm”, “.flv”, “.ts”, “.dat”	DIVX 3.11, DIVX4, DIVX5. DIVX6 (standard playback only) XVID, MPEG1 SS, H.264/ MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), VobSub (.sub), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)
DLNA	“.avi”, “.mpg”, “.divx”, “.mpeg”, “.mkv”, “.mp4”, “.asf”, “.wmv”, “.m4v” (DRM free), “.mov”, “.trp”, “.m2t”, “.mpe”, “.m1v”, “.m2v”, “.flv”, “.ts”	DIVX 3.11, DIVX4, DIVX5. DIVX6 (standard playback only) XVID, MPEG1 SS, H.264/ MPEG-4 AVC, MPEG2 PS, MPEG2 TS, VC-1 SM (WMV3)	Dolby Digital, DTS, MP3, WMA, AAC, AC3	SubRip (.srt / .txt), SAMI (.smi), SubStation Alpha (.ssa/.txt), MicroDVD (.sub/.txt), SubViewer 1.0 (.sub), SubViewer 2.0 (.sub/.txt), TMPlayer (.txt), DVD Subtitle System (.txt)

Audio files

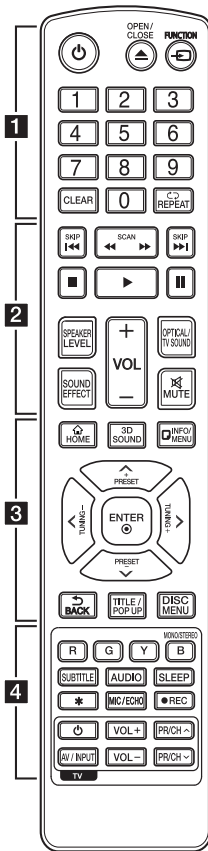
File Location	File Extension	Sampling Frequency	Bitrate	Note
Disc, USB	“.mp3”, “.wma”, “.wav”, “.m4a” (DRM free), “.flac”	within 32 - 48 kHz (WMA), within 16 - 48 kHz (MP3)	within 32 - 192 kbps (WMA), within 32 - 320 kbps (MP3)	Some wav files are not supported on this player.
DLNA	“.mp3”, “.wma”, “.wav”, “.m4a” (DRM free)	within 32 - 48 kHz (WMA), within 16 - 48 kHz (MP3)	within 32 - 192 kbps (WMA), within 32 - 320 kbps (MP3)	Some wav files are not supported on this player.

Photo files

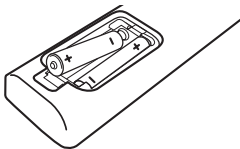
File Location	File Extension	Recommended Size	Note
Disc, USB, DLNA	“.jpg”, “.jpeg”, “.png”, “.gif”	Less than 4,000 x 3,000 x 24 bit/pixel Less than 3,000 x 3,000 x 32 bit/pixel	Progressive and lossless compression photo image files are not supported.

- Supplied bundle DLNA server for Macintosh edition has limitations in file compatibility, such as ASF, WMA and WMV.

Remote Control



Battery Installation



Remove the battery cover on the rear of the Remote Control, and insert two R03 (size AAA) batteries with **+** and **-** matched correctly.

..... **1**

⏻ (POWER): Switches the player ON or OFF.

⬆️ (OPEN/CLOSE): Ejects a disc.

FUNCTION: Changes input mode.

0-9 numerical buttons: Selects numbered options in a menu.

CLEAR: Removes a number when setting the password or network connection.

REPEAT (↺): Repeats a desired section or sequence.

..... **2**

⏮️/⏭️ (SCAN): Searches backward or forward.

⏮️/⏭️ (SKIP): Goes to the next or previous chapter / track / file.

■ (STOP): Stops playback.

▶️ (PLAY): Starts playback.

⏸️ (PAUSE): Pauses playback.

SPEAKER LEVEL: Sets the sound level of desired speaker.

SOUND EFFECT: Selects a sound effect mode.

VOL +/-: Adjusts speaker volume.

OPTICAL/TV SOUND: Changes input mode to optical directly.

MUTE: Mute the unit.

..... **3**

HOME (🏠): Displays or exits the [Home].

3D SOUND: Selects a 3D sound effect mode.

INFO/MENU (ℹ️): Displays or exits On-Screen Display.

Direction buttons: Selects an option in the menu.

PRESET +/-: Selects programme of Radio.

TUNING +/-: Tunes in the desired radio station.

ENTER (Ⓜ️): Acknowledges menu selection.

BACK (⏪): Exits the menu or returns to the previous screen.

TITLE/POPUP: Displays the DVD title menu or BD-ROM's popup menu, if available.

DISC MENU: Accesses menu on a disc.

..... **4**

Colored (R, G, Y, B) buttons:

- Use to navigate BD-ROM menus.

They are also used as shortcut buttons for specific menus.

- B button: Selects mono/ stereo in FM mode.

SUBTITLE: Selects a subtitle language.

AUDIO: Selects an audio language or audio channel.

SLEEP: Sets a certain period of time after which the unit will switch to off.

★: This button is not available.

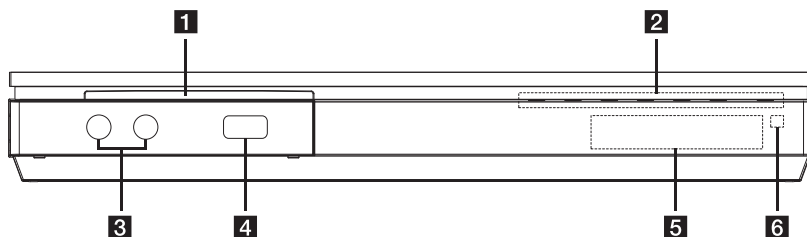
MIC/ECHO:

Selects the microphone mode or microphone's echo mode. After selecting the desired mode, press VOL +/- to adjust microphone volume or microphone's echo volume.

● (REC): Records from an Audio CD, FM radio, or AUX source to USB.

TV Control Buttons: Refer to the manual on the supplied CD-ROM disc.

Front Panel



1 Disc Slot

2 Operation buttons

△ (OPEN/CLOSE)

>|| (PLAY / PAUSE)

□ (STOP)

F (Function)

Changes the input source or function.

VOL. -/+

⏻/I (POWER)

3 MIC 1/2

4 iPod/ iPhone/ iPad/ USB Port

5 Display Window

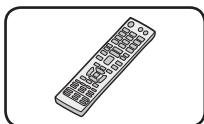
6 Remote Sensor

! Caution

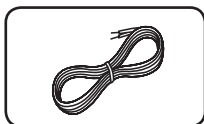
Precautions in using the touch buttons

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

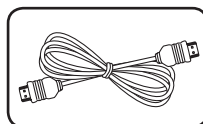
Supplied Accesories



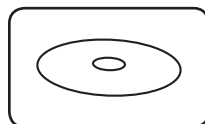
Remote control (1)



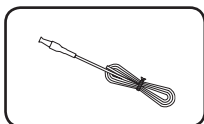
Speaker cables (2)



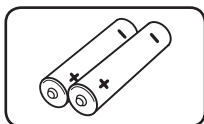
HDMI cable (1)



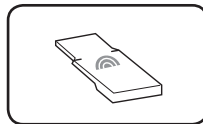
Owner's Manual & PC Software CD (1)



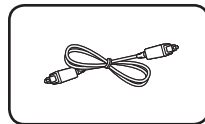
FM antenna (1)



Batteries (2)

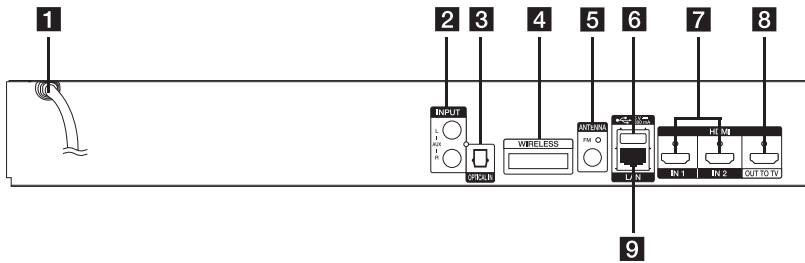


Wireless TX (1)



Optical cable (1)
(Optional)

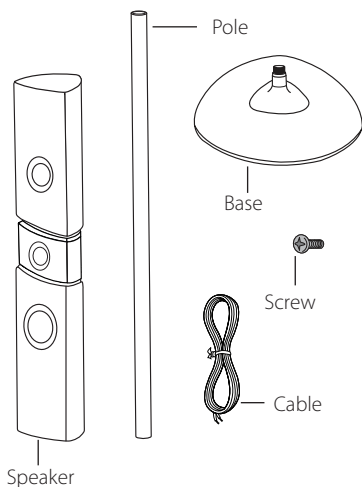
Rear Panel



- | | |
|-----------------------------|--|
| 1 AC power cord | 6 USB Port (for connecting a USB keyboard or mouse) |
| 2 AUX (L/R) INPUT | 7 HDMI IN 1/2 |
| 3 OPTICAL IN | 8 HDMI OUT TO TV |
| 4 WIRELESS connector | 9 LAN port |
| 5 Antenna Connector | |

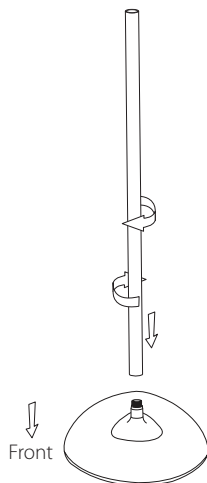
Assembling the speaker (Rear)

Preparation



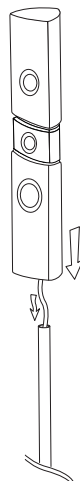
1. Attach the pole to the base by rotating the pole.

Step 1



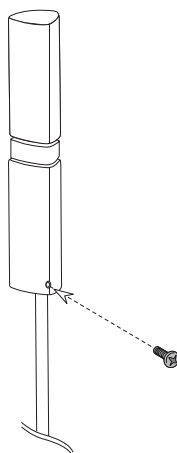
2. Draw the speaker wire through the inside of the pole.

Step 2



3. Attach the speaker to the pole, then secure the connection with a supplied screw.

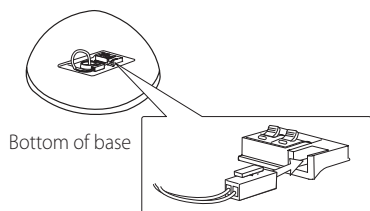
Step 3



4. Insert the connector to the bottom of the base. Connect the speaker wire to the terminal on the base.

Make sure the wire marked black goes in to the terminal marked “-” (minus) and the other wire goes in to the terminal marked “+” (plus).

Step 4



Caution

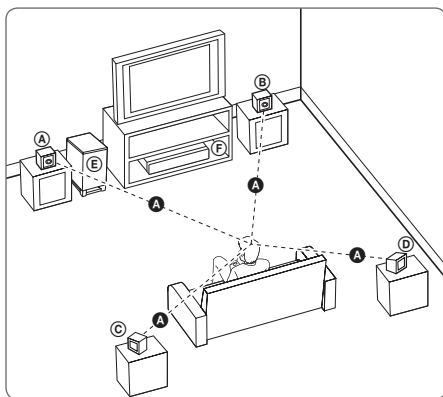
Be careful that the speaker does not fall down. Otherwise it may result in the speaker malfunctioning and causing personal injury and/ or property damage.



Positioning the system

The following illustration shows an example of positioning the system. Note that the illustrations in these instructions differ from the actual unit for explanation purposes.

For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (A).



(A) Front left speaker (L) (S93T2-FL/S93T4-FL)/

(B) Front right speaker (R) (S93T2-FR/S93T4-FR):

Place the front speakers to the sides of the monitor or screen and as flush with the screen surface as possible.

(C) Surround left speaker (L) (S93T2-S/S93T4-S)/

(D) Surround right speaker (R) (S93T2-S/S93T4-S):

Place these speakers behind your listening position, facing slightly inwards.

(E) Subwoofer (S93T2-W):

The position of the subwoofer is not so critical, because low bass sounds are not highly directional. But it is better to place the subwoofer near the front speakers. Turn it slightly toward the center of the room to reduce the wall reflections.

(F) Unit

Caution

- Be careful to make sure children not to put their hands or any objects into the *speaker duct.
*Speaker duct: A hole for plentiful bass sound on speaker cabinet (enclosure).
- The speakers contain magnetic parts, so colour irregularity may occur on the CRT TV screen or PC monitor screen. Please use the speakers away from the TV screen or PC monitor screen.
- Before using the subwoofer, remove the protective vinyl.

Using the Sleep Timer

You can set the unit to turn off at a preset time.

Press SLEEP once. The display window will be darkened by half and the light on bottom of front left and right speakers turn off.

Each time you press SLEEP, the minutes display changes.

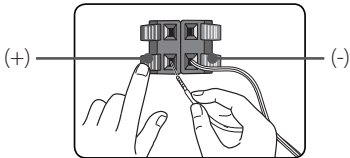
Press SLEEP repeatedly to cancel the sleep timer or turn on again the light on bottom of the front left and right speakers.

Connecting the System

Attaching the rear speakers to the wireless receiver

Connect the rear speakers to the wireless receiver with the speaker cords.

Make sure the wire marked black goes in to the terminal marked “-” (minus) and the other wire goes in to the terminal marked “+” (plus).



Color	Speaker	Position
Grey	Rear right	Rear right
Blue	Rear left	Rear left

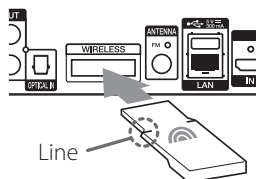
Connecting the AC power cords

Connect the AC power cords to the AC connector on the back of the wireless front left and right speakers.

Connect the AC power cord to the AC connector on the back of the wireless subwoofer.

Wireless speakers connection

1. Insert the Wireless TX till the marked line into the WIRELESS connector on the rear of the unit.



2. Connect the AC power cords of all the systems to a wall outlet.
3. When you turn on the player, the wireless speakers connection will be completed automatically.
 - When the connection is completed, you can see the icon (●) on the display window.

LED indicator

LED Color	Operation
Yellow or Orange (Blink)	The connection is not completed.
Yellow or Orange	The connection is completed.
Red	The connection is in standby mode or failed.
Off (No display)	The AC power cord is unplugged.

Note

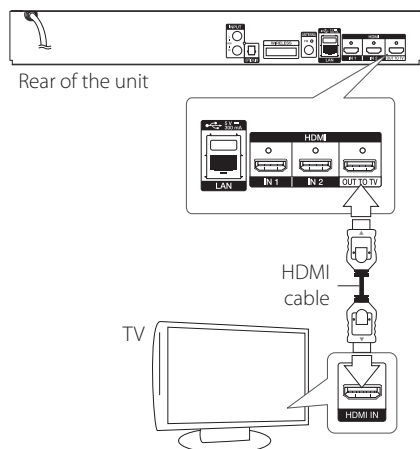
- Do not insert other than the Wireless TX dedicated for this unit into the WIRELESS connector. This unit might be damaged or it may not be removed easily.
- If there is a strong electromagnetic wave product nearby, interference may occur. Put the unit (wireless receiver, wireless speakers, wireless subwoofer, and main unit) away from there.
- It takes a few seconds (and may take longer) for the Wireless TX, wireless receiver, wireless speakers, and wireless subwoofer to communicate with each other.
- The available range is 20 m for wireless connection in an open place.

Wireless speakers connection, manually

You can set up wireless speakers connection manually, when your connection is not completed. Refer to the manual on the supplied CD-ROM disc ("Connect wireless speakers").

Connecting to your TV

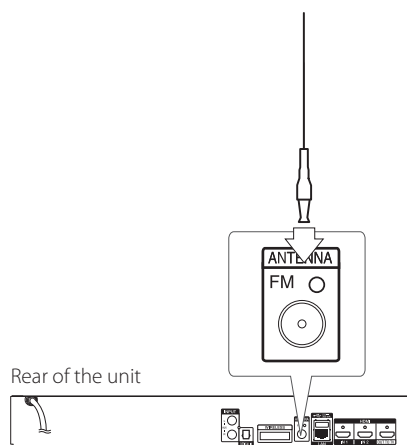
If you have a HDMI TV or monitor, you can connect it to this player using a HDMI cable (Type A, High Speed HDMI™ Cable). Connect the HDMI jack on the player to the HDMI jack on a HDMI compatible TV or monitor.



Set the TV's source to HDMI (refer to TV's owner's manual).

Antenna connection

Connect the supplied antenna for listening to the radio.



! Note

After connecting the FM wire antenna, be sure to fully extend it.

2

Connecting

Connections with external device

2

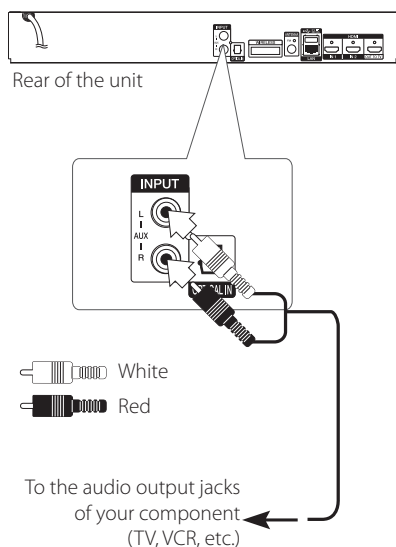
Connecting

AUX Connection

You can enjoy the sound from an external component through the speakers of this system.

Connect the analog audio output jacks of your component into the AUX L/R (INPUT) on this unit. And then select the [AUX] option by pressing FUNCTION.

You can also use the F (Function) button on the front panel to select the input mode.

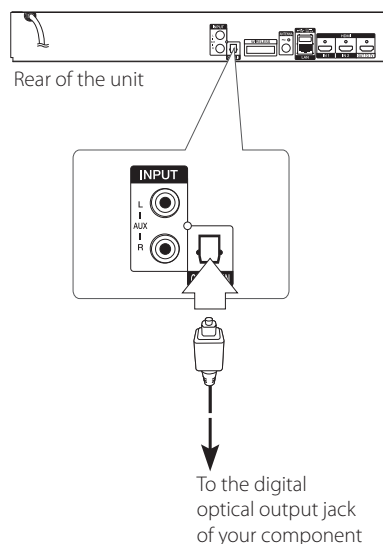


OPTICAL IN connection

You can enjoy the sound from your component with a digital optical connection through the speakers of this system.

Connect the optical output jack of your component into the OPTICAL IN jack on the unit. And then select the [OPTICAL] option by pressing FUNCTION. Or press OPTICAL/TV SOUND to select directly.

You can also use the F (Function) button on the front panel to select the input mode.

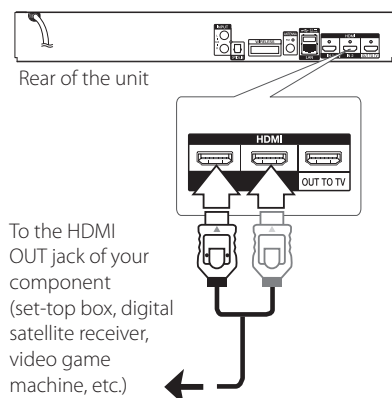


HDMI IN 1/2 connection

You can enjoy the pictures and sound from your component through this connection.

Connect the HDMI OUT jack of your component into the HDMI IN 1 or 2 jack on this unit. And then select the [HDMI IN 1/2] option by pressing FUNCTION.

You can also use the F (Function) button on the front panel to select the input mode.



! Note

- You cannot change the video resolution in the HDMI IN 1/2 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 1/2 jack, change the resolution of your personal computer to 480p, 720p, 1080i or 1080p.
- The player sends audio from the HDMI inputs to both the HDMI output and to the unit's speakers.

Connecting to your Home Network

This player can be connected to a local area network (LAN) via the LAN port on the rear panel or the internal wireless module.

By connecting the unit to a broadband home network, you have access to services such as software updates, BD-Live interactivity and online content services.

Wired network connection

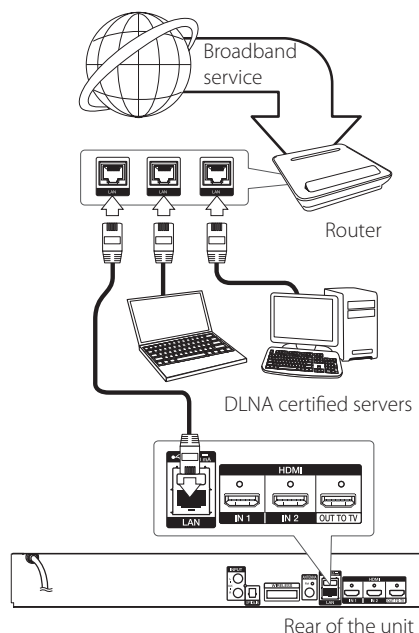
Using a wired network provides the best performance, because the attached devices connect directly to the network and are not subject to radio frequency interference.

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

Connect the player's LAN port to the corresponding port on your Modem or Router using a commercially available LAN or Ethernet cable.

! Note

- When plugging or unplugging the LAN cable, hold the plug portion of the cable. When unplugging, do not pull on the LAN cable but unplug while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.
- If you want to access content from DLNA servers, this player must be connected to the same local area network with them via a router.
- To set your PC as a DLNA server, install the supplied Nero MediaHome 4 on your PC.



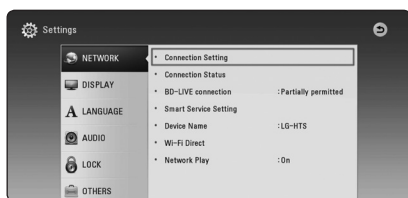
Wired network setup

If there is a DHCP server on the local area network (LAN) via wired connection, this player will automatically be allocated an IP address. After making the physical connection, a small number of home networks may require the player's network setting to be adjusted. Adjust the [NETWORK] setting as follow.

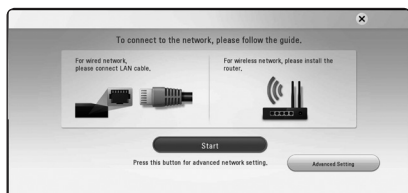
Preparation

Before setting the wired network, you need to connect the broadband internet to your home network.

1. Select [Connection Setting] option in the [Settings] menu then press ENTER (⏏).



2. Read the preparations for the network settings and then press ENTER (⏏) while [Start] is highlighted.



Network will automatically be connected to the unit.



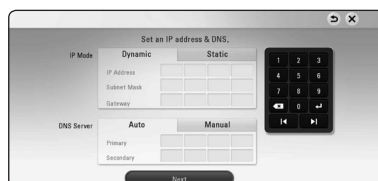
Advanced Setting

If you want to set the network settings manually, use \wedge / \vee to select [Advanced Setting] on the [Network Setting] menu and press ENTER (⏏).

1. Use \wedge / \vee to select [Wired] and press ENTER (⏏).



2. Use $\wedge / \vee / < / >$ to select the IP mode between [Dynamic] and [Static]. Normally, select [Dynamic] to allocate an IP address automatically.



Note

If there is no DHCP server on the network and you want to set the IP address manually, select [Static] then set [IP Address], [Subnet Mask], [Gateway] and [DNS Server] using $\wedge / \vee / < / >$ and numerical buttons. If you make a mistake while entering a number, press CLEAR to clear the highlighted part.

3. Select [Next] and press ENTER (⏏) to apply network settings.

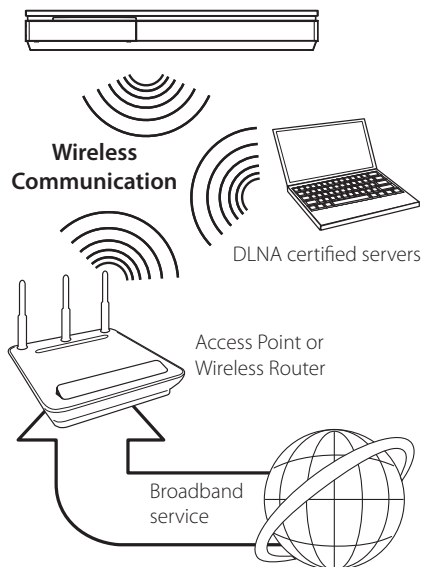


Network connection status is displayed on the screen.

4. Press ENTER (⏏) while [OK] is highlighted to finish the wired network settings.

Wireless network connection

Another connection option is to use an Access Point or a wireless router. The network configuration and connection method may vary depending on the equipment in use and the network environment.



Refer to the setup instructions supplied with your access point or wireless router for detailed connection steps and network settings.

For best performance, a direct wired connection from this player to your home network's router or cable/DSL modem is always the best option.

If you do choose to use the wireless option, note that performance can sometimes be affected by other electronic devices in the home.

Wireless network setup

For the wireless network connection, the player needs to be set up for network communication. This adjustment can be done from the [Settings] menu. Adjust the [NETWORK] setting as follow. Setting up the access point or the wireless router is required before connecting the player to the network.

Preparation

Before setting the wireless network, you need to:

- connect the broadband internet to the wireless home network.
- set the access point or wireless router.
- note the SSID and security code of the network.

1. Select [Connection Setting] option in the [Settings] menu then press ENTER (⊙).
2. Read the preparations for the network settings and then press ENTER (⊙) while [Start] is highlighted.



If wired network is not connected to the unit, all available networks are displayed on the screen.

3. Use \wedge/\vee to select a desired SSID of wireless network and press ENTER (⊙).



If you have security on your access point, you need to input the security code as necessary.

! Note

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.



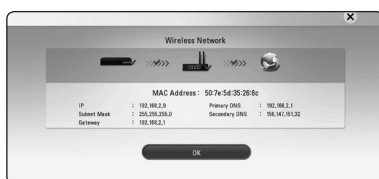
! Note

- WEP security mode generally have 4 keys available on an access point setting. If your access point or wireless router use WEP security, enter the security code of the key "No.1" to connect on your home network.
 - An Access Point is a device that allows you to connect to your home network wirelessly.
4. Use $\wedge / \vee / < / >$ to select the IP mode between [Dynamic] and [Static]. Normally, select [Dynamic] to allocate an IP address automatically.

! Note

If there is no DHCP server on the network and you want to set the IP address manually, select [Static] then set [IP Address], [Subnet Mask], [Gateway] and [DNS Server] using $\wedge / \vee / < / >$ and numerical buttons. If you make a mistake while entering a number, press CLEAR to clear the highlighted part.

5. Select [Next] and press ENTER (Ⓢ) to apply network settings.



Network connection status is displayed on the screen.

6. Select [OK] and press ENTER (Ⓢ) to complete the network connection.

Advanced Setting

If you want to set the network settings manually, use \wedge / \vee to select [Advanced Setting] on the [Network Setting] menu and press ENTER (Ⓢ).

1. Use \wedge / \vee to select [Wireless] and press ENTER (Ⓢ).



[AP List] - Scans all available access points or wireless routers within range and display them as a list.

[Network name (SSID)] - Your access point may not be broadcasting its network name (SSID). Check your access point settings through your computer and either set your access point to broadcast SSID, or manually enter the network name in [Network name(SSID)].

[PBC] - If your access point or wireless router that supports the PBC (Push Button Configuration) method, select this option and press the Push Button on your access point within 120 counts. You do not need to know the network name (SSID) and security code of your access point.

[PIN] - If your access point supports the PIN Code configuration method based on WPS(Wi-Fi Protected Setup), select this option and note the code number on the screen. And then, enter the PIN number on a setting menu of your access point to connect. Refer to the documentation for your network device.

2. Follow the instructions of each connection method on the screen.

! Note

To use PBC and PIN network connection, security mode of your access point must be set to OPEN or AES.

Initial Setup

When you turn on the unit for the first time, the initial setup wizard appears on the screen. Set the display language and network settings on the initial setup wizard.

1. Press **⏻** (POWER).

The initial setup wizard appears on the screen.

2. Use **▲/▼/◀/▶** to select a display language and press **ENTER** (⏻).

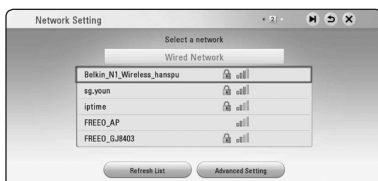


3. Read and prepare the preparations for the network settings and then press **ENTER** (⏻) while [Start] is highlighted.



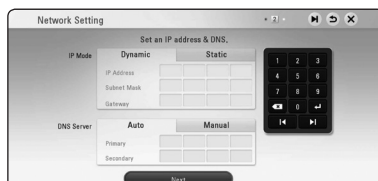
If wired network is connected, the network connection setting will automatically be finished.

4. All available networks are displayed on the screen. Use **▲/▼** to select [Wired Network] or desired SSID of wireless network and press **ENTER** (⏻).



If you have security on your access point, you need to input the security code as necessary.

5. Use **▲/▼/◀/▶** to select the IP mode between [Dynamic] and [Static]. Normally, select [Dynamic] to allocate an IP address automatically.



6. Select [Next] and press **ENTER** (⏻) to apply network settings.



Network connection status is displayed on the screen.

For details on network settings, refer to "Connecting to your Home Network" on page 18.

7. Select [Next] and press **ENTER** (⏻).



Read and prepare the preparations for the wireless speaker setting.

8. Select [Next] and press **ENTER** (⏻).

9. Press ENTER (Ⓢ) to verify the test tone signals of the speakers.



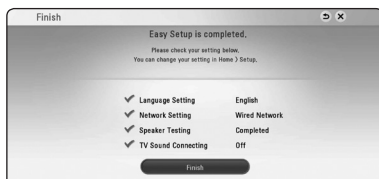
After verifying the test tone signals, press ENTER (Ⓢ) while [Stop] is highlighted. Select [Next] and press ENTER (Ⓢ).

10. You can listen to TV sound through this unit's speaker automatically when TV is turned on. TV and this unit should be connected with optical cable.



Press ▲ to move and press </> to select [On] or [Off]. Select [Next] and press ENTER (Ⓢ).

11. Check all the settings that you have set in the previous steps.



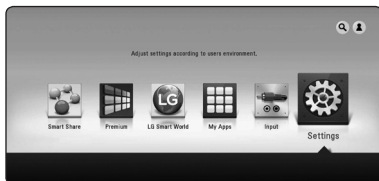
Press ENTER (Ⓢ) while [Finish] is highlighted to finish the initial setup settings. If there is any settings to be changed, use ▲/▼/</> to select ↻ and press ENTER (Ⓢ).

Settings

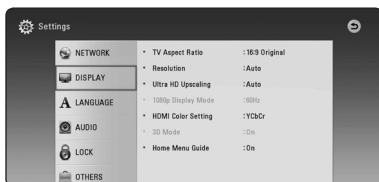
Adjust the setup settings

You can change the settings of the player in the [Settings] menu.

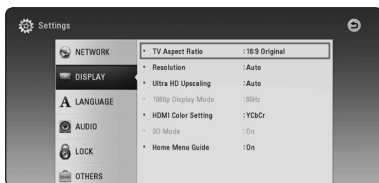
1. Press HOME (🏠).



2. Use </> to select the [Settings] and press ENTER (⊙). The [Settings] menu appears.



3. Use ^/V to select the first setup option, and press > to move to the second level.



4. Use ^/V to select a second setup option, and press ENTER (⊙) to move to the third level.

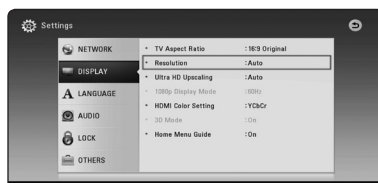


5. Use ^/V to select a desired setting, and press ENTER (⊙) to confirm your selection.

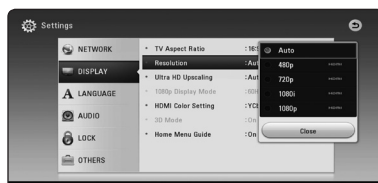
Resolution setting

The player provides several output resolutions for the HDMI OUT jack. You can change the resolution using [Settings] menu.

1. Press HOME (🏠).
2. Use </> to select the [Settings] and press ENTER (⊙). The [Settings] menu appears.
3. Use ^/V to select [DISPLAY] option then press > to move to the second level.
4. Use ^/V to select the [Resolution] option then press ENTER (⊙) to move to the third level.



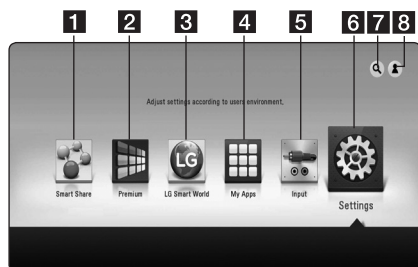
5. Use ^/V to select the desired resolution then press ENTER (⊙) to confirm your selection.



Home Menu Display

Using [HOME] menu

The home menu appears when you press HOME (🏠). Use $\wedge/\vee/</>$ to select a category and press ENTER (⊙).



Note

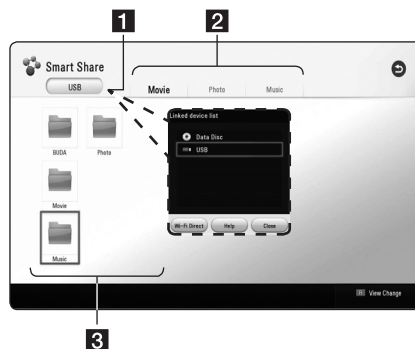
Depending on the region, the [LG Smart World], [My Apps] service and [Search] function may not be available.

- 1 [Smart Share]** - Displays Smart Share menu.
- 2 [Premium]** - Displays the Premium home screen.
- 3 [LG Smart World]** - Displays LG Apps titles provided to the unit.
- 4 [My Apps]** - Displays the [My Apps] screen.
- 5 [Input]** - Changes input mode.
- 6 [Settings]** - Adjusts the system settings.
- 7 [Search]** - Searches for desired LG Apps and other content.
- 8 [Sign In]** - Displays Sign In menu.

Using the Smart Share

You can play video, photo and audio content on the unit by inserting a disc, connecting an USB device or using home network (DLNA).

1. Press HOME (🏠) to display the home menu.
2. Select [Smart Share] and press ENTER (⊙).



- 1** Displays all linked device.
- 2** Displays video, photo or audio content.
- 3** Displays the file or folder on linked device.

Playing the Linked Devices

Playing a disc

BD DVD AVCHD ACD

1. Insert a disc in the disc slot.
For the most Audio CD, BD-ROM and DVD-ROM discs, playback starts automatically.
2. Press HOME (🏠) and then select [Smart Share].
3. Select disc icon.

! Note

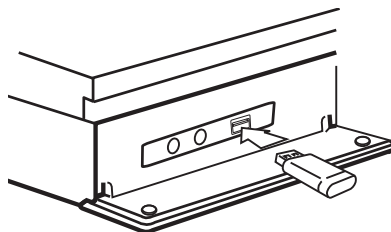
- Playback functions described in this manual are not always available in every files and media. Some functions can be restricted depending on many factors.
- Depending on the BD-ROM titles, an USB device connection may be needed for the proper playback.
- Unfinalized DVD-VR format discs may not be played in this player.
- Some DVD-VR discs are made with CPRM data by DVD RECORDER. This unit cannot support these kinds of discs.

Playing a file on disc/USB device

MOVIE MUSIC PHOTO

This player can play video, audio and photo files contained in the disc or USB device.

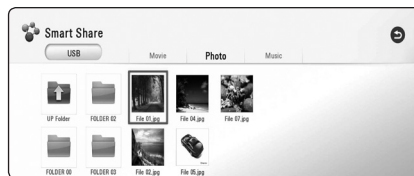
1. Insert a data disc in the disc slot or connect an USB device.



When you connect the USB device on the HOME menu, the player plays an audio file contained in the USB storage device automatically. If the USB storage device is containing various types of files, a menu for the file type selection will appear.

File loading may takes few minutes depending on the number of content stored in the USB storage device. Press ENTER (Ⓢ) while [Cancel] is selected to stop loading.

2. Press HOME (🏠).
3. Select [Smart Share] and press ENTER (Ⓢ).



4. Select the desired linked device in the category.
5. Select [Movie], [Photo] or [Music].
6. Select a file using Δ / ∇ / \leftarrow / \rightarrow , and press \blacktriangleright (PLAY) or ENTER (Ⓢ) to play the file.

Basic operations for video and audio content

To stop playback

Press ■ (STOP) during playback.

To pause playback

Press ⏸ (PAUSE) during playback.
Press ▶ (PLAY) to resume playback.

To play frame-by-frame (Video)

Press ⏸ (PAUSE) during video playback.
Press ⏸ (PAUSE) repeatedly to play Frame-by-Frame playback.

To scan forward or backward

Press ◀◀ or ▶▶ to play fast forward or fast reverse during playback.

You can change the various playback speeds by pressing ◀◀ or ▶▶ repeatedly.

To slow down the playing speed

While the playback is paused, press ▶▶ repeatedly to play various speeds of slow motion.

To skip to the next/previous chapter/track/file

During playback, press ◀◀ or ▶▶ to go to the next chapter/track/file or to return to the beginning of the current chapter/track/file.

Press ◀◀ twice briefly to step back to the previous chapter/track/file.

In the file list menu of a server, there may have many types of content in a folder together. In this case, press ◀◀ or ▶▶ to go to the previous or next content with same type.

On-Screen Display

You can display and adjust various information and settings about the content.

To control video playback

BD DVD AVCHD MOVIE

You can control playback and set options while watching videos.

During playback, press INFO/MENU (□).



- 1** **Progress bar** - Displays the current position and total playing time.
- 2** **[Disc Menu]** - Accesses menu on a disc.
- 3** **[Title/Popup]** - Displays the DVD title menu or BD-ROM's popup menu, if available.
- 4** **[Option]** - Displays playback information.
- 5** **[Repeat]** - Repeats a desired section or sequence.
- 6** **[3D]** - Adjusts the 3D setting.

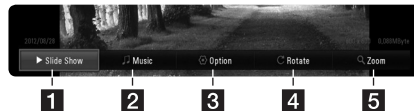
To control photo view

PHOTO

Controls playback and sets options while viewing pictures in full screen.

You can control playback and set options while viewing pictures in full screen.

While viewing pictures, press INFO/MENU (□).



- 1** **[Slideshow]** - Starts or pause slide show.
- 2** **[Music]** - Select the background music for the slide show.
- 3** **[Option]** - Displays slide show options.
- 4** **[Rotate]** - Rotates the photo clockwise.
- 5** **[Zoom]** - Displays the [Zoom] menu.

Troubleshooting

Symptom	Cause & Solution
The Power does not turned on.	<ul style="list-style-type: none"> Plug the power cord into the wall outlet securely.
The unit does not start playback.	<ul style="list-style-type: none"> Insert a playable disc. (Check the disc type, color system, and regional code.) Place the disc with the playback side down. Clean the disc. Cancel the Rating function or change the rating level.
The connected USB storage device is not recognized.	<ul style="list-style-type: none"> Try using different USB cable, some USB cables may not support enough current for normal USB operation. If you use an USB extension cable or USB HUB, the USB devices may not be recognized. An USB device which requires additional program installation when you have connected it to a computer is not supported. This unit supports only USB Flash Drive and USB External HDD with FAT32 or NTFS format.
The angle cannot be changed.	<ul style="list-style-type: none"> Multi-angles are not recorded on the DVD Video being played.
Cannot play video, photo or audio files.	<ul style="list-style-type: none"> The files are not recorded in a format that the unit can play. The unit does not support the codec of the video file.
The remote control does not work properly.	<ul style="list-style-type: none"> The remote control is not pointed at the remote sensor of the unit. The remote control is too far from the unit. There is an obstacle in the path of the remote control and the unit. The batteries in the remote control are exhausted.
The unit is plugged in, but the power will not turn on or off.	You can reset the unit as follows. <ul style="list-style-type: none"> Unplug the power cord, wait at least five seconds, and then plug it in again.
The unit is not operating normally.	
There is no picture.	<ul style="list-style-type: none"> Select the appropriate video input mode on the TV so the picture from the unit appears on the TV screen. Connect the video connection securely. Check the [HDMI Color Setting] in the [Settings] menu is set to the appropriate item that conforms to your video connection. Your TV may not support the resolution you have set on the player. Change the resolution that your TV accepts. The player's HDMI OUT jack is connected to a DVI device that does not support copyright protection.

Symptom	Cause & Solution
Picture noise appears	<ul style="list-style-type: none"> You are playing a disc recorded in a colour system that is different from your TV. Set the resolution which your TV accepts.
Blu-ray 3D disc playback does not output 3D views.	<ul style="list-style-type: none"> Connect the player to your TV with HDMI cable (Type A, High Speed HDMI™ Cable). Your TV may not support "HDMI 3D mandatory format". The [3D Mode] option in the [Settings] menu is set to [Off]. Set the option to [On].
BD-Live feature does not work.	<ul style="list-style-type: none"> The connected USB storage may not have enough space. Connect the USB storage with at least 1GB free space. Ensure that the unit is correctly connected to the local area network and can access the internet (page 18). Your broadband speed may not fast enough to use the BD-Live features. Contact your Internet Service Provider (ISP) and increase the broadband speed is recommended. The [BD-LIVE connection] option in the [Settings] menu is set to [Prohibited]. Set the option to [Permitted].
Streaming video services (such as YouTube™, etc.) are often stopped or "buffer" during playback.	<ul style="list-style-type: none"> Your broadband service speed may not be fast enough to stream video services. Contact your Internet Service Provider (ISP) and increase the broadband speed is recommended.
Media servers are not displayed on the device list.	<ul style="list-style-type: none"> 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. The player is not connected to the local area network that your media server is connected.
Cannot connect the player to the access point or wireless LAN router.	<ul style="list-style-type: none"> The wireless communication may be interrupted from household devices that are using radio frequencies. Move the player away from them.
Access point is not displayed on the "Access point name" list.	<ul style="list-style-type: none"> The access point or wireless LAN router may not broadcast its SSID. Set your access point to broadcast its SSID through your computer. Your network device such as access point may not set with available frequency range and channel that this player can support. Try setting the frequency range and channel on the network device setting.
There is no sound or the sound is distorted.	<ul style="list-style-type: none"> The unit is in scan, slow motion, or pause mode. The sound volume is low. Check the speaker cable connection. (page 13)

Customer Support

You can update the Player using the latest software to enhance the products operation and/or add new features. To obtain the latest software for this player (if updates have been made), please visit <http://www.lg.com> or contact LG Electronics customer care center.

Open Source Software Notice

To obtain the corresponding source code under GPL, LGPL and other open source licenses, please visit <http://opensource.lge.com>. All referred license terms, warranty disclaimers and copyright notices are available to download with the source code.





Specifications

General	
Power requirements	Refer to main label on the rear panel.
Power consumption	Refer to main label on the rear panel.
Dimensions (W x H x D)	Approx. 444 mm x 65 mm X 292.5 mm
Net Weight (Approx.)	2.9 kg
Operating temperature	5 °C to 35 °C (41 °F to 95 °F)
Operating humidity	5 % to 90 %

Inputs/Outputs	
HDMI IN/OUT (video/audio)	19 pin (Type A, HDMI™ Connector)
ANALOG AUDIO IN	2.0 Vrms (1 kHz, 0 dB), 600 Ω, RCA jack (L, R) x 1
DIGITAL IN (OPTICAL)	3 V (p-p), Optical jack x 1
MIC IN	6.3 mm jack

Tuner	
FM Tuning Range	87.5 to 108.0 MHz or 87.50 to 108.00 MHz

Amplifier	
Power output (3 Ω), (RMS), THD 10 %	
Total	1100 W
Front	240 W x 2
Rear	195 W x 2
Sub-Woofer	230 W (Active)

System	
Laser	Semiconductor laser
wavelength	405 nm / 650 nm
Signal system	Standard NTSC color TV system
LAN port	Ethernet jack x 1, 10BASE-T / 100BASE-TX
Wireless LAN (internal antenna)	Integrated IEEE 802.11n (5 GHz and 2.4 GHz bands) wireless networking access, compatible with 802.11a/b/g Wi-Fi networks.
Bus Power Supply (USB)	DC 5 V  2.1 A (Front) / DC 5 V  300 mA (Rear)

Speakers (BH9630TW)			
Front speaker (Left/ Right) (S93T2-FL/S93T2-FR)			
Type	2 Way 3 speaker	Max. Input power	480 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	240 W	Net Weight	6 kg
Rear speaker (Left/ Right) (S93T2-S)			
Type	2 Way 3 speaker	Max. Input power	390 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	195 W	Net Weight	6.6 kg
Subwoofer (S93T2-W)			
Type	1 Way 1 speaker	Max. Input power	460 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	307 mm X 366 mm X 307 mm
Input Power	230 W	Net Weight	8.5 kg

Speakers (BH9630TW)			
Front speaker (Left/ Right) (S93T4-FL/S93T4-FR)			
Type	2 Way 3 speaker	Max. Input power	480 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	240 W	Net Weight	6 kg
Rear speaker (Left/ Right) (S93T4-S)			
Type	2 Way 3 speaker	Max. Input power	390 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	195 W	Net Weight	6.6 kg
Subwoofer (S93T2-W)			
Type	1 Way 1 speaker	Max. Input power	460 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	307 mm X 366 mm X 307 mm
Input Power	230 W	Net Weight	8.5 kg

Speakers (BH9630WY)			
Front speaker (Left/ Right) (S93T4-FL/S93T4-FR)			
Type	2 Way 3 speaker	Max. Input power	480 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	240 W	Net Weight	6 kg
Rear speaker (Left/ Right) (S93T4-S)			
Type	2 Way 3 speaker	Max. Input power	390 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	300 mm X 1350 mm X 300 mm
Input Power	195 W	Net Weight	6.6 kg
Subwoofer (S93T2-W)			
Type	1 Way 1 speaker	Max. Input power	460 W
Impedance Rated	3 Ω	Net Dimensions (W x H x D)	307 mm X 366 mm X 307 mm
Input Power	230 W	Net Weight	8.5 kg

Wireless receiver (W3-2)	
Power requirements	Refer to main label on the wireless receiver.
Power consumption	Refer to main label on the wireless receiver.
Dimensions (W x H x D)	60 mm X 220 mm X 175 mm
Net Weight (Approx.)	0.9 kg

- Design and specifications are subject to change without 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.

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, benzene, or thinner, as these might damage the surface of the unit.

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.

Maintaining the unit

The unit is a high-tech, precision device. If the optical pick-up lens and disc drive parts are dirty or worn, the picture quality could be diminished. For details, please contact your nearest authorized service center.

Notes on discs

Handling discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints do not get on the surface. Never stick paper or tape on the disc.

Storing discs

After playing, store the disc in its case. Do not expose the disc to direct sunlight or sources of heat and never leave it in a parked car exposed to direct sunlight.

Cleaning discs

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center to out.

Do not use strong solvents such as alcohol, benzene, thinner, commercially available cleaners, or anti-static spray intended for older vinyl records.



An extended Owner's Manual that contains information on the advanced features is located on the CD-ROM provided in an electronic version. To read these files, you will need to use a Personal Computer (PC) equipped with a CD-ROM drive.