

IP Set Top Box

ST950I-LN

ENGLISH | OWNER'S MANUAL

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

Reg. No. : P37.LG1.00501.0615



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

CAUTION concerning the Power Cord

Most appliances recommend they be placed upon a dedicated circuit;

That is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. 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 appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, 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 appliance.

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

NOTICE: For safety making information including product identification and supply ratings, please refer to the main label on the bottom or rear of the apparatus.

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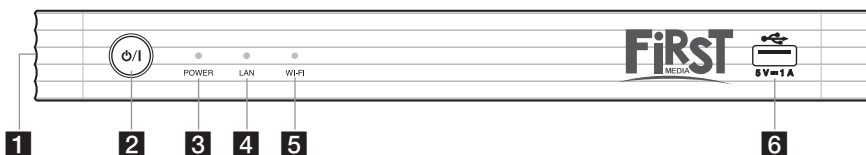
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Front Panel



1 SMART CARD slot

2 ϕ/I (Power) button

3 POWER indicator

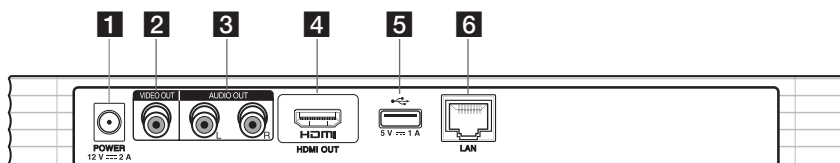
4 LAN indicator

5 Wi-Fi indicator

6 USB Port

Connect a USB device contained video, audio and photo files. Connect an external HDD to unit to record a TV program.

Rear Panel



1 POWER (12 V $\equiv$ 2 A)

Connect the supplied AC adaptor.

2 VIDEO OUT

Connect to the VIDEO IN jack on a TV or monitor.

3 AUDIO OUT (L/R)

Connect to the AUDIO IN (L/R) jack on a TV or monitor.

4 HDMI OUT

Connect to the HDMI IN jack on an HDMI compatible TV or monitor.

5 USB Port

Connect a USB device containing video, audio and photo files. Connect an external HDD to unit to record a TV program.

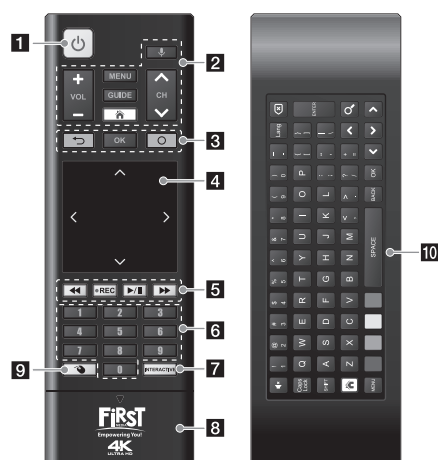
6 LAN Port

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

! Note

If you want to connect an external HDD device to a USB port on the unit, use only one of the two USB Port.

Remote Control



- 1** **(Power):** Switches the unit ON or OFF.
- 2** **(Voice Search):** Uses the voice search function on the Android TV menu.
VOL (+/-): Adjusts the sound level of the unit.
MENU: Displays and exits a menu.
GUIDE: Displays the Program Guide menu for TV broadcasting.
(Home): Displays Home menu.
CH (▲ / ▼): Scans up or down through memorized programs.
- 3** **(Back):** Returns to the previous screen.
OK: Acknowledges menu selection.
(Android TV): Displays and exits the Android TV menu.
- 4** **Direction buttons and Touch Pad:** Selects an option in the menu.
- 5** **(Scan):** Searches backward.
REC: Starts recording.
(Play / Pause): Starts or pauses playback. Plays or pauses time-shift for a live TV program.
(Scan): Searches forward.
- 6** **0-9 numerical buttons:** Auto channel list appears and you can select a channel.

- 7** **INTERACTIVE:** Activates the interactive function.
- 8** **Battery Compartment:** Inserts two batteries.
- 9** **(Touch Pad):** Enables or disables the Touch Pad function of the remote control.
- 10** **Keyboard:** Inputs letters.
(Mute): Mutes the sound.
Caps Lock: Inputs a letter in capitals.
SHIFT: Inputs capital letters and other alternate "upper" characters.
Colored buttons: Selects the color buttons for interactive applications.
Lang: Selects an audio language for current program.
(Backspace): Deletes the previous character at the cursor position.
(Search): Displays the search menu to use the search function by entering keywords.

Pairing the unit and remote control

Once you purchase the unit, pairing the remote control with the unit is necessary. Pair the remote control as follows.

Turn on the unit and wait until booting completes. You need to pair remote control about 10 seconds later by pressing (Home) button. A pop-up message appears on the screen and it will be automatically paired.

If you fail to pair the remote control, turn off the unit and try again.

To unpair the remote control

Press and hold and buttons at the same time for about 5 seconds then (Power) button blinks in red and remote control is unpaired.

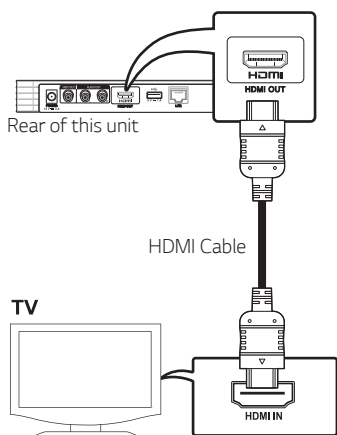
Battery Replacement

Remove the battery cover on the remote control, and insert two R03 (size AAA) batteries with and matched correctly.

Connecting to Your TV

Connecting HDMI cable

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



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

! Note

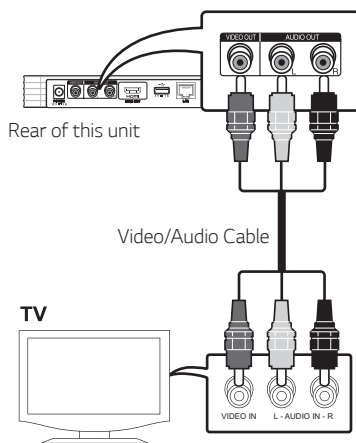
- If a connected HDMI device does not accept the audio output of the unit, the HDMI device's audio sound may be distorted or may not be output.
- When you use HDMI connection, you can change the resolution for the HDMI output.
- Changing the resolution when the connection has already been established may result in malfunctions. To solve the problem, turn off the unit and then turn it on again.
- When the HDMI connection with HDCP is not verified, TV screen is changed to black screen. In this case, check the HDMI connection, or disconnect the HDMI cable.
- If there is noise or lines on the screen, please check the HDMI cable (length is generally limited to 4.5 m).

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 1280x720p, 1920x1080i, 1920x1080p or 3840x2160p 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.
 - TV screen is changed to black screen.

Connecting Video / Audio cable

Connect the VIDEO/AUDIO OUT on the unit to VIDEO/AUDIO IN on TV with video/audio cable, such as VIDEO with yellow, AUDIO Left/Right with white/red.

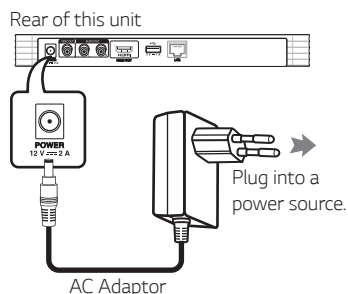


! Note

- Do not connect the unit through a VCR. The image could be distorted by the copy protection system.
- For high definition video, it is recommended to use the HDMI connection.

Connecting the AC Adaptor

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



- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adaptor or AC cord set.



Caution

Only use the AC adaptor 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.

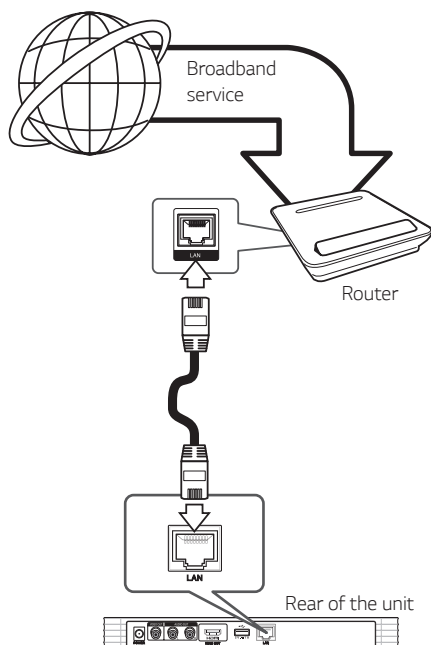
Connecting to your Home Network

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

- The unit must be connected to wired network to watch live TV broadcasting.
- Wireless network connection is also needed to use on-line content service such as Google Cast.

Wired network connection

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

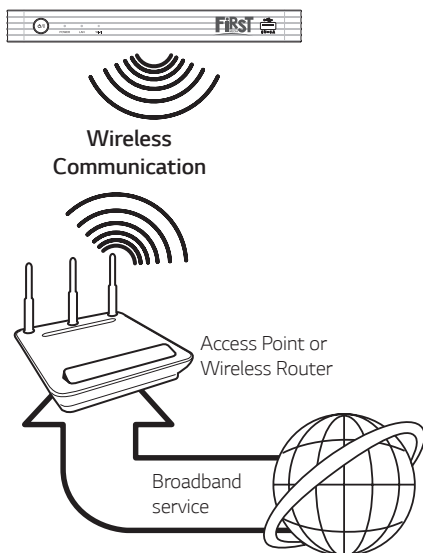


Wired Network Setup

If there is a DHCP server on the local area network (LAN) via wired connection, this unit will automatically be allocated an IP address.

Wireless network connection

Access Point or a wireless router is needed for Wireless network connection. 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.

Wireless network setup

For the wireless network connection, the unit needs to be set up for network communication. This adjustment can be done from the [Settings] on the Android TV menu.

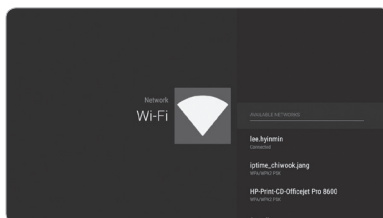
Preparation

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. Press **O** (Android TV) and select [Settings] on the Android TV menu.
2. Select [Network] on the [Settings] menu.
3. Select [Wi-Fi] and select a desired SSID of wireless network.

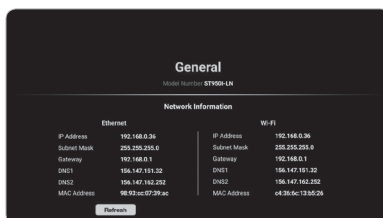
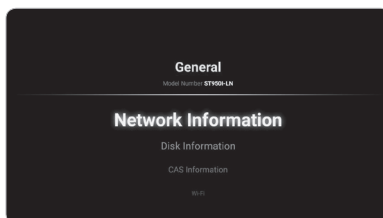
If you have security on your access point, you need to input the security code as necessary.



How to check the Internet connection

You can check the Internet connection.

1. Press **Home** and select [Setting] on the main menu.
2. Select [General] on the [Setting] menu.
3. Select [Network Information] on the [General] menu. Information for Internet connection is displayed.



Notes on Network Connection

- Many wireless home network connection problems during set up can often be fixed by re-setting the access point or wireless router. After connecting the unit to the home network, quickly power off and/or disconnect the power cable of the home network router. Then power on and/or connect the power cable again.
- Depending on the Internet service provider (ISP), the number of devices that can receive Internet service may be limited by the applicable terms of service. For details, contact your ISP.
- Our company is not responsible for any malfunction of the unit and/or the Internet connection feature due to communication errors/malfunctions associated with your broadband Internet connection, or other connected equipment.
- Some Internet content may require a higher bandwidth connection.
- Even if the unit is properly connected and configured, some Internet content may not operate properly because of Internet congestion, the quality or bandwidth of your Internet service, or problems at the provider of the content.
- Some Internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- Any fees charged by an ISP including, without limitation, connection charges are your responsibility.
- A 10 Base-T or 100 Base-TX LAN port is required for wired connection to this unit. If your Internet service does not allow for such a connection, you will not be able to connect the unit.
- You must use a Router to use xDSL service.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the Internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a "Router" may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.
- The wireless network operate at 2.4 GHz radio frequencies that are also used by other household devices such as cordless telephone, **Bluetooth®** devices, microwave oven, and can be affected by interference from them.
- Turn off all unused network equipment in your local home network. Some devices may generate network traffic.
- For the purpose of the better transmission, placing the unit from the access point as close as possible.
- In some instances, placing the access point or wireless router at least 0.45 m above the floor may improve the reception.
- Move closer to the access point if possible or re-orient the unit so there is nothing between it and the access point.
- The reception quality over wireless depends on many factors such as type of the access point, distance between the unit and access point, and the location of the unit.
- Set your access point or wireless router to Infrastructure mode. Ad-hoc mode is not supported.

Initial Setup

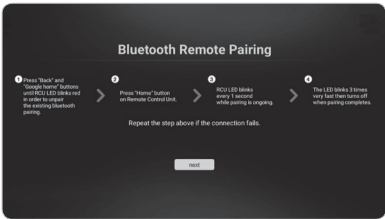
When you turn on the unit for the first time, the initial setup wizard appears on the screen. Follow the on-screen instructions to set up the unit.

Note

You can reset the unit to all its factory settings. The initial setup menu appears on the screen after the Factory Reset.

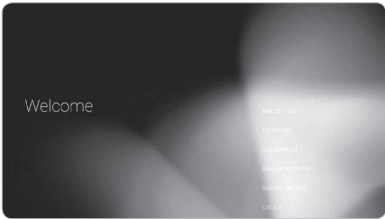
Step 1. Bluetooth Remote Pairing

Once you purchase the unit, pairing the remote control with the unit is necessary. Pair the remote control as instructions on the screen.



Step 2. Menu Language Selection

Select a display language.



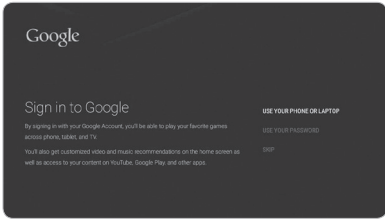
Step 3. Wireless network setup

This step will appear only if a wired network is not connected. All available wireless networks are displayed on the screen. Select a desired SSID of wireless network. If you have security on your access point, you need to input the security code as necessary.



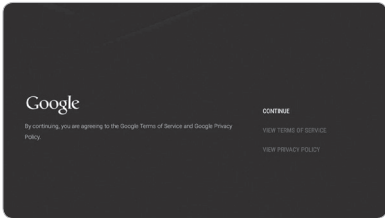
Step 4. Sign in to Google

To gain access to the Google functions, you need to sign in with your Google Account.



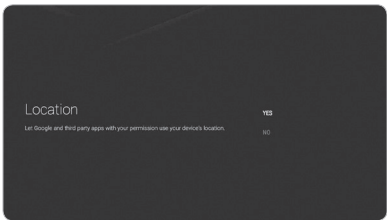
Step 5. Google Terms of Service and Google Privacy Policy

By continuing, you are agreeing to the Google Terms of Service and Google Privacy Policy.



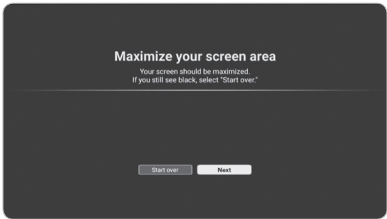
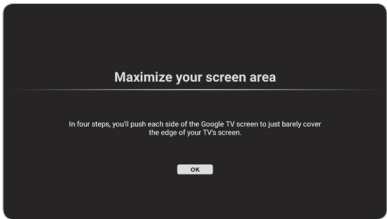
Step 6. Location

Let Google and third party apps with your permission use your device's location.



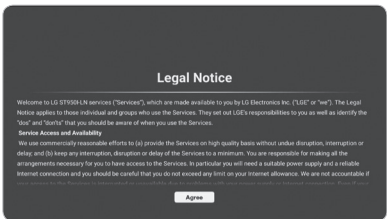
Step 7. Maximize your screen area

Maximize your screen area to just barely cover the edge of your TV screen using $\wedge$ / $\vee$ / $\lt$ / $\gt$ and OK.



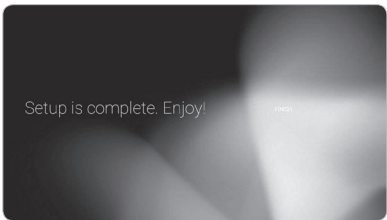
Step 8. Legal Notice

You can view the Legal Notice about the unit.



Step 9. Finish

Initial Setup is completed.

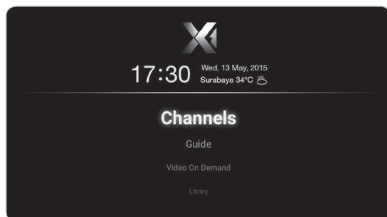


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Operations

Home Menu Operations

You can access the required functions through Home menu. The home menu appears when you press  (Home) button. Use Δ / ∇ to select a required function and press OK.



Channels

You can select the desired channel.

Guide

Shows the program guide contains schedule and program information for TV broadcasting. You can find programs easily and conveniently and to view schedule and descriptive program information for the programs.

Video On Demand

You can watch the movie and catch-up TV.

Library

Library has the function that manages the reminder program and plays the recorded content (PVR).

- PVR: You can see the [Recording Schedule], [Recorded Folder], [Margin], [Disk Information], [Seek Time Setting] and [Format Disk].
- Reminder: You can see the reserved program list to watch in the future.

Search

Displays the search menu and you can use the search function by entering keywords.

Application

You can select and launch an application installed on the unit.

Setting

You can change the settings of the unit in the menu.

- Picture: You can change the settings for the picture. (Resolution and Screen Size)
- Sound: You can change the settings for the audio. (Sound and Audio Language)
- Display: You can change the settings for the OSD. (Menu Language and Info Bar Duration)
- Protection: Allows you to set up specific channels through blocking schemes. Also allows you to activate or disable all of the lock schemes previously set up. A PIN code is required to gain access to the [Protection] menu. (The default PIN code is "0000".)
- General: You can see the general informations of the device (decoder, system, network, disk and CAS). And, you can use [Wi-Fi], [Upgrade], [Factory Reset] and [Remove Hard Disk] function.
- Favorite: You can set favorite channels.
- Notice: You can view and delete the notice contents.

Using the Android TV

You can enjoy a variety of online content provided by Google on the Android TV menu. To gain access to the some functions, you may need to sign in with your Google Account.



1. Press **O** (Android TV) and the Android TV menu appears.
2. Use **^**/**v**/**<**/**>**/OK buttons or Touch Pad to select a desired service or settings.
 - 1 You can search a desired content by voice search function.
 - 2 Recommendations are shown.
 - 3 You can select and enjoy an Android TV service (Movie, TV program, Music, Game, Sports, etc.)
 - 4 You can change the settings for using the Android TV service.

Troubleshooting

Symptom	Cause & Solution
The Power does not turned on.	Plug the power cord into the wall outlet securely.
The remote control does not work properly.	The batteries in the remote control are exhausted.
There is no picture.	- 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. - Your TV may not support the resolution you have set on the unit. Change the resolution to one that your TV accepts. - The unit's HDMI jack is connected to a DVI device that does not support copyright protection.
Picture noise appears.	Set the resolution to one that your TV accepts.
There is no sound or the sound is distorted.	- Connect the audio connection securely. - The input source setting on the amplifier or the connection to the amplifier is incorrect. - The sound volume is low or muted. - Check that the connected amplifier is compatible with the audio format output from the unit. - The unit's HDMI jack is connected to a DVI device. The DVI jack does not accept audio signal. - Check the device is connected to the unit's HDMI OUT jack is compatible with the audio format output from the unit.
Cannot connect the unit to the access point or wireless LAN router.	The wireless communication may be interrupted from household devices that are using radio frequencies. Move the unit away from them.
Access point is not displayed on the "Access point name" list.	- 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 unit can support. Try setting the frequency range and channel on the network device setting.
The unit is not operated normally.	To reset the unit, unplug the power cord, wait at least five seconds, and then plug it in again.

Specifications

General	
Power Requirements	12 V $\overline{\text{---}}$ 2 A
AC Adaptor	• Manufacturer: Asian Power Devices Inc. • Model: WA-2411 2FG • Input: 100 - 240 V ~, 50/60 Hz, 0.7 A • Output: 12 V $\overline{\text{---}}$ 2 A
Dimensions (W x H x D)	Approx. 260 mm x 30 mm x 164 mm without foot
Net Weight (Approx.)	0.74 kg
Operating Temperature	5 °C to 35 °C
Operating Humidity	5 % to 90 %
Bus Power Supply (USB)	5 V $\overline{\text{---}}$ 1 A
Wireless LAN (internal antenna)	Integrated IEEE 802.11ac (5 GHz and 2.4 GHz bands) wireless networking access, compatible with 802.11b/g/n Wi-Fi networks

Connectors	
VIDEO OUT	1.0 V (p-p), 75 Ω , sync negative, RCA jack x 1
AUDIO OUT	2.0 Vrms (1 kHz, 0 dB), 600 Ω , RCA jack (L, R) x 1
HDMI OUT (video/audio)	19 pin (HDMI standard, Type A)
USB Port	4 pin (USB 2.0 standard) x 2
LAN port	Ethernet jack x 1, 10BASE-T / 100BASE-TX

- Design, specifications, screen images and operations are subject to change without notice.

Warranty Period

The warranty period of the STB is 24 months from the production. Please refer to production date on the STB.

Trademarks and Licenses

All other trademarks are trademarks of their respective owners.



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



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



The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.



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

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.

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 Information Relating to Network Services

All information, data, documents, communications, downloads, files, text, images, photographs, graphics, videos, webcasts, publications, tools, resources, software, code, programs, applets, widgets, applications, products and other content ("Content") and all services and offerings ("Services") provided or made available by or through any third party (each a "Service Provider") is the sole responsibility of the Service Provider from whom it originated.

The availability of and access to Content and Services furnished by the Service Provider through the LGE Device are subject to change at any time, without prior notice, including, but not limited to the suspension, removal or cessation of all or any part of the Content or Services.

Should you have any inquiry or problem related to the Content or Services, you may refer to the Service Provider's website for the most up-to-date information. LGE is neither responsible nor liable for customer service related to the Content and Services. Any question or request for service relating to the Content or Services should be made directly to the respective Content and Service Providers.

Please note that LGE is not responsible for any Content or Services provided by the Service Provider or any changes to, removal of, or cessation of such Content or Services and does not warrant or guaranty the availability of or access to such Content or Services.

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 unit, use a soft, dry cloth. If the surfaces are extremely dirty, use a soft cloth lightly moistened with a mild detergent solution. Do not use strong solvents such as alcohol, 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.



PT. LG ELECTRONICS INDONESIA

Kawasan Industri MM2100 Blok G
Cikarang Barat, Bekasi, Jawa Barat 17520
INDONESIA