






- * Image shown may differ from your TV.
- * Image shown on a PC or mobile phone may vary depending upon the Operating System (OS).
- * Depending upon the version of the software, icon position can be changed.

Network Settings

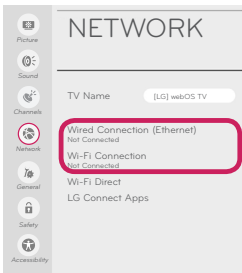
- 1 Press the  (Home) button to access the Home menu. Select  (Settings) and press  (Wheel OK).



- 2 Select  (Advanced) and press  (Wheel OK).




- 3 Select the **Network**  **Wired Connection (Ethernet)** or **Wi-Fi Connection**.

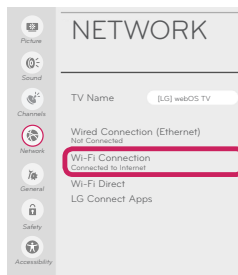


- 4 The device automatically tries to connect to the available network (wired network first).
When you select the **Wi-Fi Connection**, the network list available is displayed. Choose the network you wish to use.



For wireless AP (Router) that has the  symbol, you need to enter the security key.

- 5 If the connection is completed, **Connected to Internet** is displayed.



You can check the status of connection in **Advanced Settings**.



* M B M 6 4 7 1 6 5 2 2 *

Troubleshooting Network Problems

Depending upon the version of the software, icon position can be changed.

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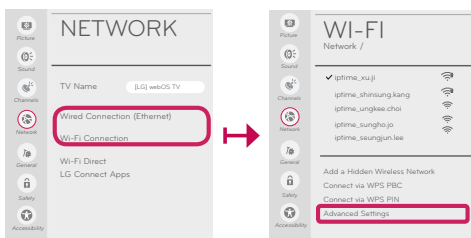
- 1 Press the (Home) button to access the Home menu. Select (Settings) and press (OK).



- 2 Select (Advanced) and press (OK).



- 3 Select the **Network** **Wired Connection (Ethernet)** or **Wi-Fi Connection** **Advanced Settings**.



Follow the instructions below that match to your network status.

Check the TV or the AP (Router).



When X appears next to TV:

- 1 Check the connection status of the TV, AP (Router) and cable modem.
- 2 Power off and power on in the following order; (1st) the cable modem, wait for the cable modem to reset, (2nd) the AP (Router), wait for the AP (Router) to reset and (3rd) the TV.
- 3 If you are using a static IP, enter the IP directly.
- 4 Contact Internet service provider or AP (Router) manufacturer.

Check the AP (Router) or consult your Internet service provider.



When X appears next to Gateway:

- 1 Unplug the power cord of the AP (Router) or cable modem, wait 10 seconds. Reapply power.
- 2 Initialize (Reset) the AP (Router) or cable modem.
- 3 Contact Internet service provider or AP (Router) manufacturer.



When X appears next to DNS:

- 1 Unplug the power cord of the cable modem or the AP (Router), wait 10 seconds. Reapply power.
- 2 After the cable modem or AP (Router) has initialized (Reset), try to reconnect.
- 3 Check that the MAC address of the TV/AP (Router) is registered with your Internet service provider. (The MAC address displayed on the right pane of the network status window should be registered with your Internet service provider.)
- 4 Check the AP (Router) manufacturer's website to make sure your router has the latest firmware version installed.

SmartShare PC SW Installation & Setting

Install the SmartShare PC SW program on your PC.

- 1 Go to www.lg.com. Then, select your region.
- 2 Select **SUPPORT**. Then, search for your model.
- 3 Select **Drivers & Software** or **SOFTWARE UPDATE**. Then, select SmartShare PC SW.
- 4 Download the SmartShare PC SW and install it on your PC. You can run the program when installation is complete.

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NOTE

- **SmartShare** service is only available if TV and other devices are connected via a single AP (Router).

SmartShare Connection to Smartphone



- 1 Check that Wi-Fi is enabled on your smartphone. To use SmartShare, both devices must be on the same local network.
- 2 Install/run the app for sharing content on your smartphone (it's called **SmartShare** on LG phones).
- 3 Enable your smartphone to share content files with other devices.
- 4 Open **SmartShare** application on TV. **(Home)** **SmartShare**
- 5 Select the file type you want to play (movie, audio, or photo).
- 6 Select a movie, music, or photo file to play on the TV.
- 7 Play the media file to view and enjoy it on your TV.

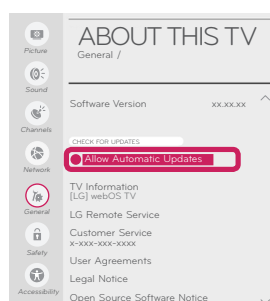
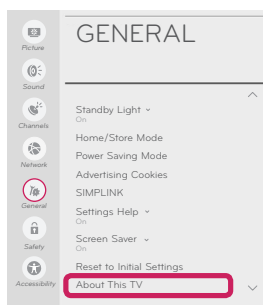
Updating the TV Firmware

(Home) **(Settings)** **(Advanced)** **General** **About This TV** **CHECK FOR UPDATES**

You can check the Software Version and update it.

If you check the **Allow Automatic Updates**, the TV will check for updated software automatically each time the set is turned on (Internet Connection is required).

* When the TV is turned on for the first time after a software update, initialization of the TV may take approximately one minute.



Wi-Fi Direct Setting

Home (Home) > Settings (Settings) > Advanced (Advanced) > Network > Wi-Fi DIRECT

If a local network is not available, you can connect a portable device directly to the TV using **Wi-Fi Direct**. With **SmartShare**, you can share files or screens of devices connected to **Wi-Fi Direct**.



1 When you open **Wi-Fi Direct** menu, a list of available devices appears. Select your device.

2 When you are prompted to the connection request, select **Yes**. **Wi-Fi Direct** is now connected to your TV.

* You can use only devices that support **Wi-Fi Direct**.

Miracast Setting



Miracast allows a portable device to send video and sound securely to the TV wirelessly.

Screen Share (INPUT) > Screen Share

1 **Miracast** should be set to **ON** on your portable device.

2 When your TV is detected, select the device on your portable device.
When connection is completed, the device screen appears on the TV screen.

WiDi (Wireless Display) Setting

Intel's WiDi (Wireless Display) technology enables easy and fast connection without wires or internet network for mirrored and dual monitor display on your TV. You can sit back and experience your favorite movies, videos, photos, online shows and more in full HD on your TV with great image clarity and sound.

Screen Share (INPUT) > Screen Share

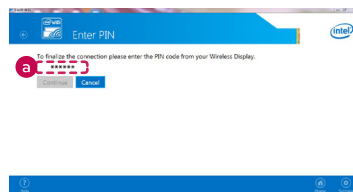
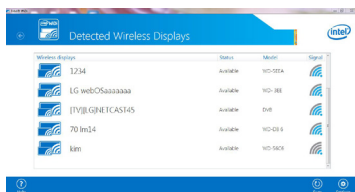
1 On the TV Intel's WiDi is set to **On**. Your laptop runs the Intel WiDi program.

* LG TVs do not need to register.

* For more information on Intel WiDi, visit <http://intel.com/go/widi>.

* You can control your PC using the Magic Remote. (above WiDi version 4.2)

2 It detects LG webOS TVs available, which supports WiDi. In the list, select the TV you want and click Connect. Enter the number shown on the screen into the input field (a) on your laptop and then click Continue.



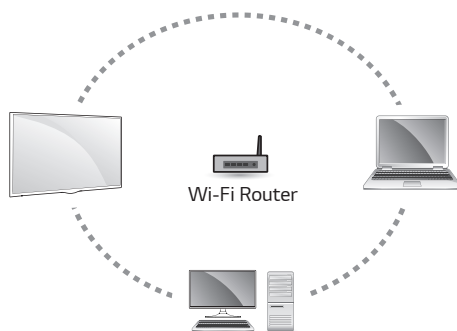
Notebook Screen

3 The laptop screen appears on the TV screen. The wireless environment may affect the screen display. If the connection is poor, the Intel WiDi connection may be lost.

Troubleshooting Wi-Fi Network Problems

Checkpoints

- Make sure that you have the latest version of the software.
 - If you are using a Wi-Fi router, check whether you have the latest firmware installed.
 - If there are any available updates, update the firmware according to the manufacturer's instructions.
 - **(Home)** **(Settings)** **(Advanced)** **General** **About This TV** **Software Version**
 - Check the current software version and if there is an available update, install it.
- Check if the same symptom occurs with two or more Wi-Fi devices.
 - Wi-Fi problems may be related to network condition and a device that is connected to the network.
 - If other Wi-Fi devices can connect to the Internet at the same location as the TV, then your Wi-Fi router is probably normal.
- Check the power and Ethernet cables of the Wi-Fi router.
 - When the Ethernet cable connected to the Wi-Fi router is loose or disconnected, network problems can occur.
 - Check all power and Ethernet cables of the Wi-Fi router to see if they are correctly connected.
- Check the Wi-Fi router to see if the router is set to the recommended wireless settings. If network problems continue, reset your network devices.
- Check the signal strength of the Wi-Fi router to connect to from the TV UI.
 - The that is next to the Wi-Fi router name (SSID) in the menu indicates the sensitivity of the receiver.
 - It is recommended that you connect to a Wi-Fi network with 3 or more bars of signal strength.
 - If the bars of signal strength are less than 3, the network connection status may be weak or unstable, so shorten the distance between the Wi-Fi router and the TV.
- If the signal strength of the Wi-Fi router is weak, wireless speed slowdowns and network disconnection may occur.
- To supplement wireless coverage of network equipment, your Wi-Fi router should be placed in the middle of the network equipment.



- **Interference Factors**

If there is any interference from surrounding equipment, the network connection may be weak or unstable.

 - Wireless telephones that operate in the 2.4 GHz or 5 GHz bandwidth
 - Wireless speakers that operate in the 2.4 GHz or 5 GHz bandwidth
 - Video transmitters that operate in the 2.4 GHz or 5 GHz bandwidth
 - Other wireless devices (Microwaves, cameras, baby monitors, neighboring wireless devices, etc.) that operate in the 2.4 GHz or 5 GHz bandwidth.
- **How to reduce the effects of interference between Wi-Fi and Bluetooth devices**
 - Set the channels on your wireless network equipment to avoid the 2.4 GHz or 5 GHz bandwidth which has lots of interference.
 - If possible, use the 5 GHz wireless network.
 - If the Wi-Fi router is located too far away or in environments with high interference, the network connection may be weak or unstable.
 - In this case, move the Wi-Fi router closer to the TV or check if there are any obstructions (e.g., concrete walls, cabinets) between the two devices.

• Radio Frequency (RF) Interference and Absorbing Obstructions

Type of Barrier	Interference Potential	Type of Barrier	Interference Potential	Type of Barrier	Interference Potential
Wood	Low	Water	Medium	Plaster	High
Synthetic material	Low	Bricks	Medium	Concrete	High
Glass	Low	Marble	Medium	Bulletproof glass	High
Metal	Very High				