

Skytech

ST-5090 / ST- 5590 / ST-6590

ST-7590 / ST-8590 / ST-9890

ULTRA HD SMART LED TV



USER MANUAL

CE

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Introduction

Thank you very much for your purchase of our product of LED TV. It serves as a normal color TV and PC monitor. To enjoy your TV to the full from the very beginning, read this manual carefully and keep it handy for ready reference.

INSTALLATION

- ① Locate the TV in a room where direct light does not strike the screen. Total darkness or a reflection on the picture screen can cause eyestrain. Soft and indirect lighting is recommended for comfortable viewing.
- ② Allow enough space between the receiver and the wall to permit ventilation.
- ③ Avoid excessively warm locations to prevent possible damage to the cabinet or premature component failure.
- ④ This TV can be connected to 100-240V~ 50/60HZ.
- ⑤ Do not install the TV in a location near heat sources such as radiator, air ducts, direct sunlight, or in a place somewhere like close compartment and close area. Do not cover the ventilation openings when using the TV.
- ⑥ The indicator light will last about 30 seconds to go out after cutting off the electricity, during this period, you cannot reposer it on until the indicator light goes out, thanks a lot for your attention!

EC Declaration of Conformity

We, the manufacturer, declare under sole responsibility, that this product conforms to the requirements of the following directives and regulations and was manufactured in accordance with the following harmonised standards:

Warning



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



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



This symbol is intended to alert the user to avoid the risk of electric shock, do not disassemble this equipment by anyone except a qualified service personnel.

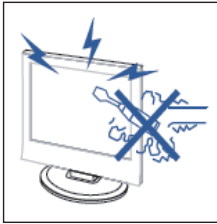


This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the equipment.



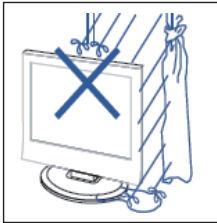
Class I structures of equipment should be connected to the grid power output with a protective earth connection on the socket. Power plug as a broken appliance, broken installations should be easy to operate.

Caution



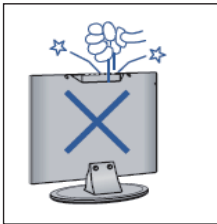
Caution

High voltages are used in the operation of this product. Do not open the product's casing. Refer servicing to qualified service personnel .



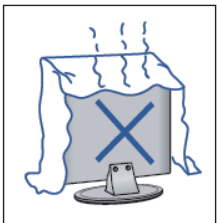
Caution

To prevent fire or electrical shock hazard, do not expose the main unit to rain or moisture, do not place objects filled with liquids, such as vases, on the apparatus.



Caution

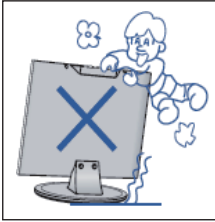
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



Caution

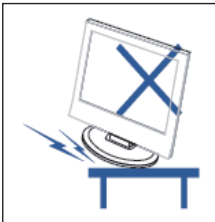
Avoid exposing the main unit to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat. E. g. video cassette players, Audio amplifiers. Do not block the ventilation holes in the back cover. Ventilation is essential to prevent failure of electrical component. Do not squash power supply cord under the main unit or other heavy objects.

Caution



Caution

Never stand on, lean on, push suddenly the product or its stand. You should Pay special attention to children.



Caution

Do not place the main unit on an unstable cart stand, shelf or table. Serious injury to an individual, and damage to the television, may result if it should fall.



Caution

When the product is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.

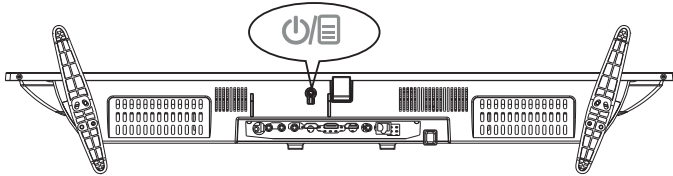


Caution

The LED panel used in this product is made of glass. Therefore, it can break when the product is dropped or applied with impact. Be careful not to be injured or applied with impact. Be careful not to be injured by broken glass pieces in case the LED panel breaks.

Main unit description








Control Panel Button Function



Display\ hidden button menu: press the button in the pop-up menu, as shown below. The button menu will be closed automatically after the button is not operated for 5 seconds.

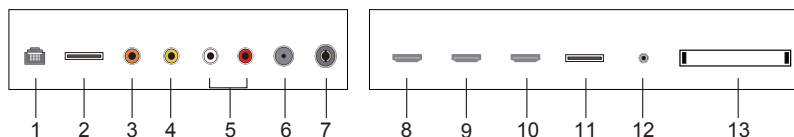
Button function selection: press the button shortly, move the focus to the right, and select the corresponding function, such as the short press on the button for 6 times the focus position as shown in the below picture. Press the button for a short time, and the focus is back to the position shown in the above picture.

Key function operation: longly press key can perform focus function, such as focus in the position shown above, will perform channel reduction.

-  Power off function, which corresponds to the "power" button of the menu.
-  Display the menu, which corresponds to the "menu" button of the remote control.
-  Display the signal source menu, which corresponds to the "signal source" button of the remote control.
-  Increase the volume, which correspond to the "volume +" button of the remote control.
-  Decrease the volume, which correspond to the "volume -" button of the remote control.
-  Switch the channel forwards, which correspond to the "channel +" button for the remote control.
-  Switch the channel backwards, which correspond to the "channel -" button for the remote control.

Main unit description

TV Terminal Connections



- 1.RJ45.
- 2.USB input terminal.
- 3.COAXIAL output terminal.
- 4.Audioinput terminal.
- 5.Video input terminal.
- 6.LNB IN input terminal.
- 7.RF(C/T2) input terminal.
- 8.HDMI3 input terminal.
- 9.HDMI2 input terminal.
- 10.HDMI1 input terminal.
- 11.USB1 input terminal.
- 12.EARPHONE output terminal.
- 13.COMMON INTERFACE(CI) slot.

Optional Configuration as below:

Connect the USB to the USB jack on the set.



NOTE

- It is only 500 mA MAX of DC current output when you connect with USB jack
- To ensure the Mobile HD works well, you should use other power supply for the Mobile HD. And do not use the USB jack in the same time.
- It supports Mobile HD by connecting with USB jack (must more than 2 GB). The partitions of the Mobile HD can't be more than 4 partitions. The max partition is 2TB. It supports FAT/FAT32 document. The max FAT document is 4GB and the max FAT32 document is 2TB.

Remote control



#: To use the button' Press and hold more than 1 second Need to register this Magic Remote first.

POWER (⏻): Turns the TV on or off.

(⏻): You can turn on/off the power of the set-top box by adding the box to universal remote in TV.

LIST: Checking the Channel List.

0#: The QUICK ACCESS edit screen appears.

Number buttons: Choose the channel directly

(...): It displays the additional function on the remote control.

(AD/SAP)#: Second Audio Program.

(Some models may not be supported.)

(◀/▶ +/-): It adjusts the volume level.

(🔊): Select to turn off the sound from the TV.

(🔊)#: Enter the Accessibility menu.

(⏮/⏭): You can change the programme up or down.

(📶): Check out the recommended contents.

(Recommendation service may not be available depending on the countries you are in.) Push and hold

the button while speaking to use the voice recognition function

Go to All setting →General→AI Service→Voice Recognition help for more voice command

(🏠): Displays the Home menu.

(🏠)#: Displays the last used APP, You can also select to close then.

(⚙️): Enters the Quick Settings menu.

(⚙️)#: Enters the All Settings menu.

(⏪): Move to the previous step.

(⏪)#: Closes the menu.

GUIDE: Check the programme schedule.

(📺): Selects an input source.

(📺)#: Entering into the Home Dashboard.

(🕒) Wheel (ok): press the center button to select, Turn up or down to scroll channels.

Navigation buttons: (Up/Down/Left/Right ◀/▶/▲/▼)

Navigate the menu.

PLAY (▶): Play while watching media.

PAUSE (⏸): Pause while watching media.

MOVIES: Search Movies. (make sure the Internet connection is normal)

NETFLIX: Access the Netflix interface.

Prime Video: Access the Prime Video interface.

Color Buttons (RED/GREEN/YELLOW/BLUE): Execute the prompt function in specific mode.

Home page

Enter the Home page after First Time install.



Search

You can search for channels, programmes, movie titles and apps from Smart Hub.



Home Dashboard

You can select or control a device (mobile, external device, Home IoT Devices, etc.) connected to the TV.

For more information, see **Connecting External Devices**→Using Home Dashboard in **User Guide**.



TV

Move to the TV input you used recently.



Recents

Move to the recently used app. You can run or close a recently used app in the list provided in the Preview area at the top.

Using Home Dashboard

You can select or control a device (mobile, external device, Home IoT Devices, etc.) connected to the TV.

Press ▼ / ▲ / ◀ / ▶ button to select .



- ① You can check and select the smart device connected with the LG ThinQ app.
Please refer to Connecting External Devices → Connecting Smart Devices in User Guide for more information on the action.
- ② You can play sound from a smart device connected via Bluetooth.
Please refer to Connecting External Devices → Playing Sound from a Smart Device through the TV's Speakers in User Guide for more information on the action.
- ③ You can check and select the external device connected through the external input port or network.
- ④ The currently selected output speaker is displayed, and you can navigate to the output speaker settings screen.
- ⑤ You can view and select the connected storage device.
- ⑥ You can check and control the device connected via the Home IoT.
Please refer to Connecting External Devices → Connecting Home IoT Devices in User Guide for more information on the action.
- ⑦ You can easily control your device by presetting the desired operations.

⑧ **Sign In** : You can log in/out to and from the LG ThinQ account you created on mobile.

Edit : You can edit the name of the device connected to **Inputs** or **Home IoT Devices** or configure the related settings.

⑨ It refreshes the device list.

⑩ Exit the Home Dashboard.

TV Setting

Press **MENU** button to enter the TV Setting.

Press ◀ / ▶ button to highlight the desired menu icon , and press OK button to select.

Quick Settings



① You can set **Picture Mode**.

② You can set **Sound Mode**.

③ You can choose **Sound Out**.

④ You can set **Sleep Timer**.

⑤ Move to the **Connection** screen.

⑥ You can set more options.

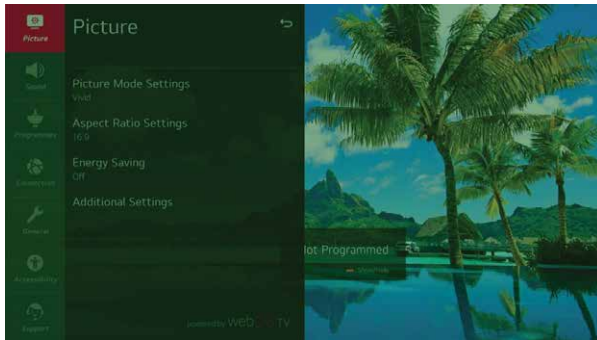
⑦ You can add/delete the quick setting items or change their order.

Picture

Press **MENU** button to enter the main menu. Or press ◀ / ▶ button to select **Setting** on the Home page.

Press ▼ / ▲ button to select the Picture.

Press **OK** button to enter the sub-menu.



Press ▼ / ▲ button to select Picture Mode Settings/Aspect Ratio Settings/Energy Saving/Additional Settings.

Press **MENU** or **EXIT** button to quit.

Picture Mode Settings

Highlight the item and press OK button to enter the sub-menu, that shows the picture mode you can choose.

Press ▼ / ▲ button to select Picture Mode/Backlight/Contrast/Brightness/Sharpness/Colour/Tint/Colour Temperature/Advanced Controls/Picture Options/apply to all inputs/Reset.

Picture Mode

Press ▼ / ▲ button to select Vivid/Eco/Cinema/Sports.

- | | |
|--------|--|
| Vivid | Sharpens the image by increasing the contrast, brightness and sharpness. |
| ECO | The Energy Saver feature changes settings on the TV to reduce power consumption. |
| Cinema | Is suitable for watching TV or movies in a dark room. |
| Sports | Suitable picture for sports games. Sharpens the image of rapid movements such as kicking or throwing a ball. |

Backlight/ Contrast/ Brightness/ Sharpness/ Colour/ Tint/ Colour Temperature

Press ▼ / ▲ button to select Backlight/Contrast/Brightness/Sharpness/Colour/ Tint/ Colour Temperature.

Press ◀ / ▶ button to adjust.

Advanced Controls

Press ▼ / ▲ button to select Advanced Controls.

(Optional: Dynamic Contrast/Dynamic Colour/Gamma)

Dynamic Contrast/Dynamic Colour

Press ▼ / ▲ button to select Dynamic Contrast/Dynamic Colour,press **OK** button to select Off/Low/Medium/ High.

Gamma

Press ▼ / ▲ button to select Gamma,press **OK** button to select Low/Medium/High 1/High 2.

Picture Options

Press ▼ / ▲ button to select Picture Options.

(Optional: Noise Reduction/Black Level/Real Cinema)

Noise Reduction

Press ▼ / ▲ button to select Noise Reduction,press **OK** button to select Off/Low/Medium/High Auto.

Black Level

Adjusts the brightness of the dark parts of images.

Press ▼ / ▲ button to select Black Level,press **OK** button to select.

Real Cinema

Optimise display for movies.

Press ▼ / ▲ button to select Real Cinema,press **OK** button to select.

Apply to all inputs

Apply to all inputs Apply the detailed setting values of current picture mode to all inputs or apps.

Press ▼ / ▲ button to select Apply to all inputs.

Reset

If you want to reset the image settings to the factory defaults after configuring the image settings, select reset for each image mode.

Press ▼ / ▲ button to select Reset.

Aspect Ratio Settings

You can change the screen size according to the type of content you are watching.

Press ▼ / ▲ button to select Aspect Ratio/ Just Scan.

Aspect Ratio

Press ▼ / ▲ button to select Aspect Ratio.

(Optional: 16:9/ Original/ Full Wide/ 4:3/ Vertical Zoom/ 4-Way Zoom)

Just Scan

Press ▼ / ▲ button to select Just Scan.

If you turn this feature **On**, you can view the content in the aspect ratio that is in the broadcast signal or content source. If the edge of the screen is not clean, please turn it **Off**

Energy Saving

Reduces power consumption by adjusting screen brightness.

Press ▼ / ▲ button to select Off/ Minimum/ Medium/ Maximum/ Screen Off.

Eye Comfort Mode

The colour temperature will be adjusted to reduce eye fatigue.

Press ◀ / ▶ button to select Off/On.

Sound

Press **MENU** button to enter the main menu. Or press ◀ / ▶ button to select **Setting** on the Home page.

Press ▼ / ▲ button to select the Sound.

Press **OK** button to enter the sub-menu.



Press ▼ / ▲ button to select Sound Mode Settings/Sound Out/Additional Settings.

Press **MENU** or **EXIT** button to quit.

Sound Mode Settings

Highlight the item and press **OK** button to enter the sub-menu, that shows the sound mode you can choose.

Press ▼ / ▲ button to select Sound Mode/ Balance/ Virtual Surround Plus/Equalizer/ Reset.

Sound Mode

Press ▼ / ▲ button to select Standard/ Cinema/ Clear Voice III/ Sports/ Music/ Game.

Standard Optimises the sound for all types of content.

Cinema Optimises the sound for cinemas.

Clear Voice III Boosts voice clarity.

Sports Optimises the sound for sports games.

Music Enhance the high pitch and reduce the bass.

Game Optimises the sound for gameplay.

Balance

Balanced left and right channels.

Press ▼ / ▲ button to select Balance. Press ◀ / ▶ button to adjust.

Virtual Surround Plus

Enjoy an immersive soundscape with the virtual multi-programme surround sound effect..

Press ▼ / ▲ button to select Virtual Surround Plus.Press **OK** button to select On/Off.

Equalizer

Press ▼ / ▲ button on to select Equalizer.

Press **OK** button to enter sub-menu then press ◀ / ▶ button to adjust.

Reset

You can reset the sound effect settings.

Press ▼ / ▲ button to select Reset.

Sound Out

Press ▼ / ▲ button to select Internal TV Speaker/ Bluetooth/ Mobile Device/ Optical/ HDMI ARC/ Wired Headphones/ Optical + Internal TV Speaker/ Wired Headphones + Internal TV Speaker.

Press ▼ / ▲ button to select and press **OK** button to setup.

Additional Settings

Press ▼ / ▲ button to select TV Installation Type/ Volume Mode/ DTV Audio Setting/ AV Sync Adjustment/ HDMI Input Audio Format/ LG Sound Sync/ Digital Sound Out.

TV Installation Type

Press ▼ / ▲ button on to select TV Installation Type.

Press ▼ / ▲ button to select Stand/ Wall-mounted.

Volume Mode

Press ▼ / ▲ button on to select Volume Mode.

(Optional: Auto Volume/ Volume Increase Amount)

Auto Volume

Press ▼ / ▲ button on to select Auto Volume.Press **OK** button to select On/Off.

Volume Increase Amount

Press ▼ / ▲ button on to select Volume Increase Amount.

(Optional: Low/Medium/High)

DTV Audio Setting

Press ▼ / ▲ button on to select DTV Audio Setting.

(Optional: MPEG/ Dolby Digital/ Dolby Digital Plus/ HE-AAC/Auto)

AV Sync Adjustment

Press ▼ / ▲ button on to select AV Sync Adjustment. Press OK button to enter and adjust

HDMI Input Audio Format

Press ▼ / ▲ button on to select HDMI Input Audio Format.

You can set the audio format for each HDMI input. When the voice delivered through the HDMI port is not synchronized, set it to **PCM**.

LG Sound Sync

Press ▼ / ▲ button on to select LG Sound Sync.

Connect the LG Sound Sync device to the optical digital input port and set Sound Out to Optical.

By setting this feature to On, you can adjust the volume of the connected LG Sound Sync device using a TV remote control.

Digital Sound Out

Press ▼ / ▲ button on to select Digital Sound Out.

(Optional: PCM/Auto/Pass Through)

Programmes

Press **MENU** button to enter the main menu. Or press ◀ / ▶ button to select **Setting** on the Home page.

Press ▼ / ▲ button to select the Programmes.

Press **OK** button to enter the sub-menu.



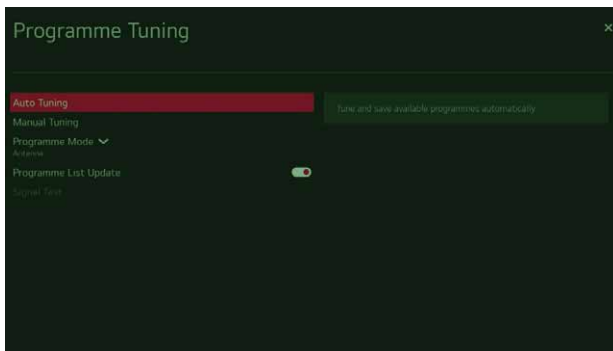
Press ▼ / ▲ button to select Programme Tuning & Settings/Programme Manager/HbbTV/CI Information/Copy Programmes.

Press **MENU** or **EXIT** button to quit.

Programme Tuning & Settings

Highlight the item and press **OK** button to enter the sub-menu.

Press ▼ / ▲ button to select Auto Tuning/ Manual Tuning/ Programme Mode/Programme List Update/ Signal test.

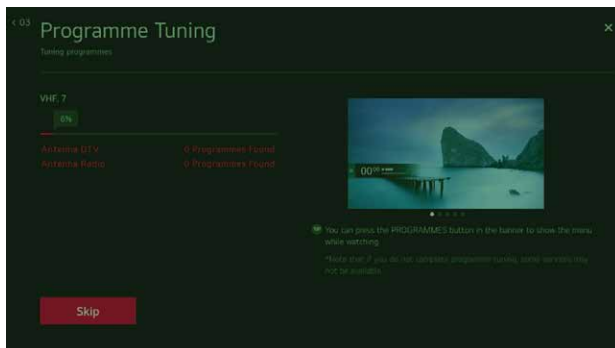


Auto Tuning

Automatically tunes the programmes.

Press ▼ / ▲ button to select Auto Tuning.(Optional: Antenna/Cable/Satellite)

Then press ▼ / ▲ button to select **Next** button to setup and tuning.

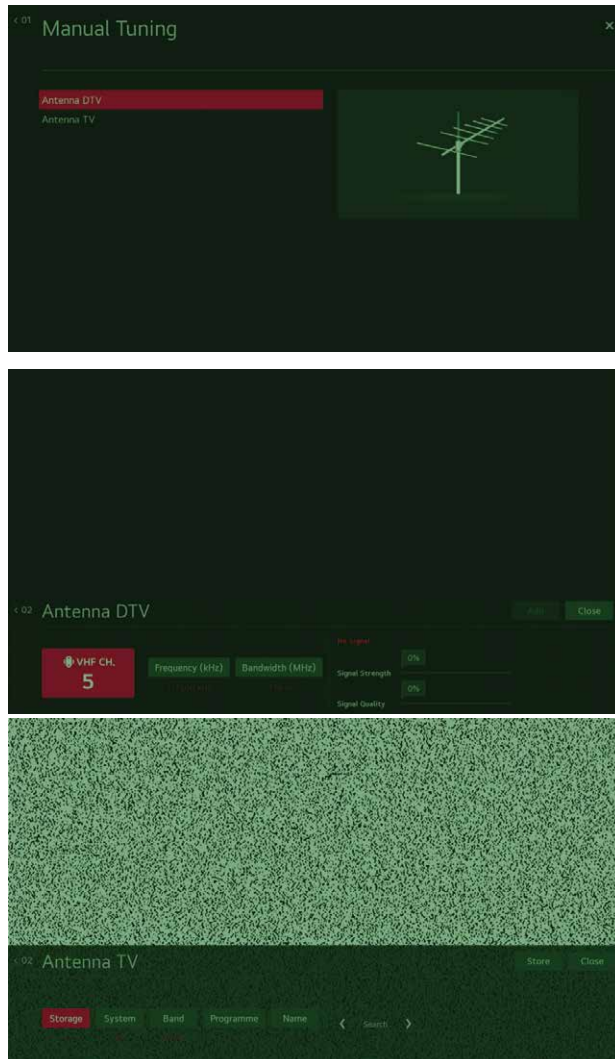


Manual Tuning

This function is for manually searching and saving programmes.

Press ▼ / ▲ button to select Auto Tuning. (Optional: Antenna DTV/Antenna TV)

Then press ▼ / ▲ button to select **Next** button to setup and tuning.



Programme Mode

Press ▼ / ▲ button to select Programme Mode.(Optional: Antenna/Cable/Satellite)

Programme List Update

Press ▼ / ▲ button to select Programme List Update.

Press **OK** button to select On/Off.

Signal Test

Shows the MUX and Service information etc.

Press ▼ / ▲ button to select Signal Test.

Note: It is only available in Antenna or Cable mode.

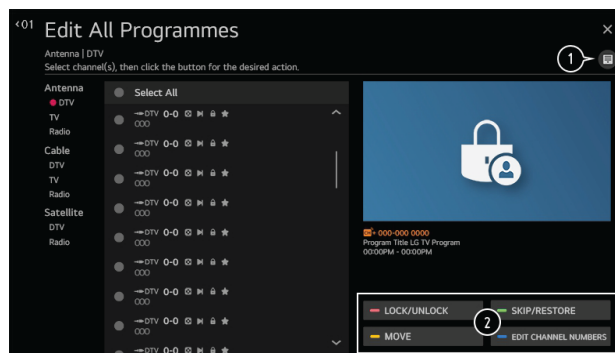
Programme Manager

Highlight the item and press OK button to enter the sub-menu.

Press ▼ / ▲ button to select Programme Manager.

You can lock or unlock the selected programmes from all the stored programmes, or you can set them to be skipped when switching programmes.

Edit All Programmes



① Set the sorting option.

② **Lock / Unlock** : Lock the selected programmes or unlock the locked programmes.

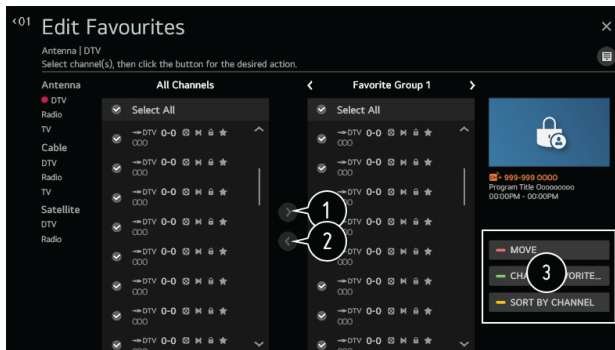
Skip / Restore : Set the selected programmes to be skipped when switching programmes, or disable the skipping option of the programmes previously set to be skipped.

Move : Move the selected programmes.

Edit Programme Numbers : Change the numbers of the selected programmes.

Delete : Delete the selected programmes.

Edit Favourites



- ① Select the desired programmes from the all programmes list and press the button to add them to the favourite programmes list.
- ② Delete the selected programmes from the favourite programmes list
- ③ **Move** : Select one or more programmes in the Preferred Programmes list, press the **Move** button, and then select the position to move it to. The selected programmes will move to the position you selected.

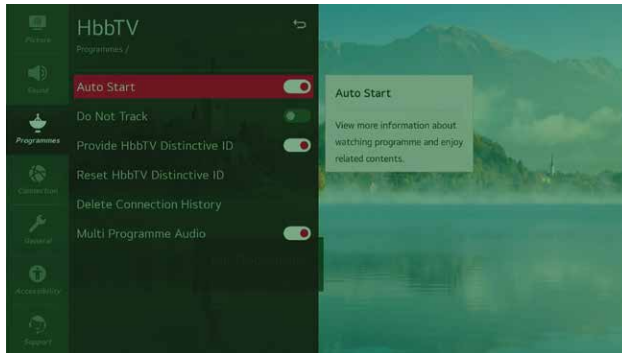
Change Group Name : Change the name of the favourite programmes list.

Sort by Programme : Sorts the list of favourite programmes by programme.

HbbTV

Press ▼ / ▲ button to select HbbTV. Press OK button to enter sub-menu.

Press ▼ / ▲ button to select.



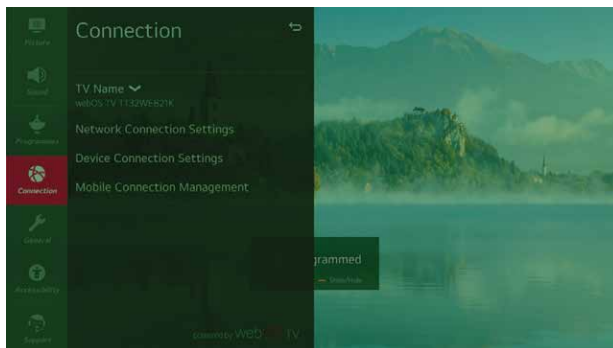
CI Information/Copy Programmes

Press ▼ / ▲ button to select CI Information/Copy Programmes. Press **OK** button to enter sub-menu.

Connection

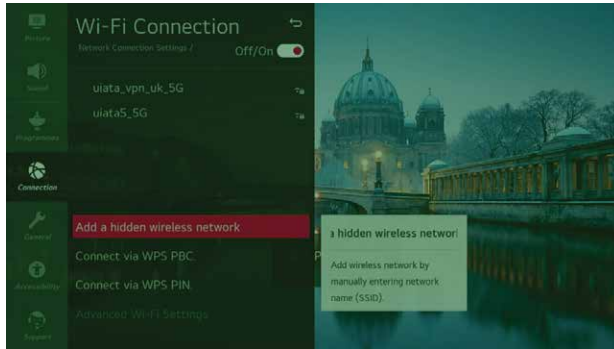
Highlight the item and press OK button to enter the sub-menu.

Press ▼ / ▲ button to select Connection.



Wi-Fi Connection

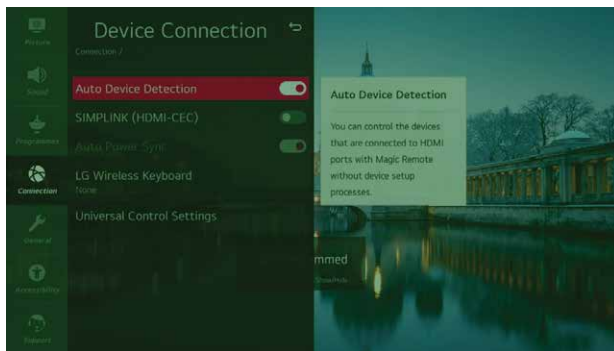
Press ▼ / ▲ button to select Wi-Fi Connection. Press **OK** button to enter sub-menu and setup.



Device Connection Settings

You can link the information about the devices connected to the TV and configure settings related to operations.

Press ▼ / ▲ button to select Device Connection Settings. Press **OK** button to enter sub-menu.



Auto Device Detection/SIMPLINK(HDMI-CEC)/Auto Power Sync

Press ▼ / ▲ button to select Auto Device Detection/SIMPLINK(HDMI-CEC)/Auto Power Sync. Press **OK** button to select On/Off.

LG Wireless Keyboard

Press ▼ / ▲ button to select LG Wireless Keyboard. Press **OK** button to enter sub-menu.

This feature enables you to connect a LG wireless keyboard to your TV.

Turn on the device, set it to pairing mode, and then click **Connect** on your TV screen. If there is a LG wireless keyboard previously connected, it will be automatically reconnected to your TV once your TV turns on. To disconnect the existing connection, click **Disconnect**.

Universal Control Settings

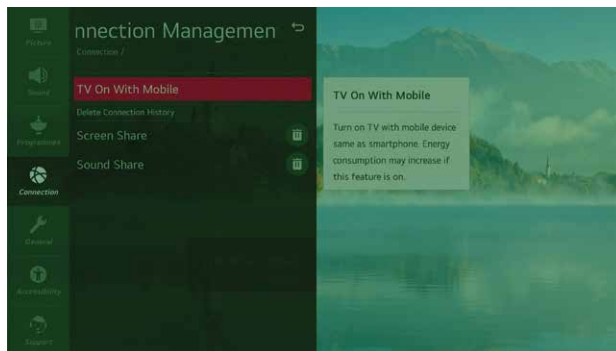
Press ▼ / ▲ button to select Universal Control Settings. Press **OK** button to enter sub-menu.

If you set up the universal remote control, you can control peripheral devices connected to the TV with the Magic Remote instead of their own remote controls.

Mobile Connection Management

You can set to use a smart device connected to the TV to control the TV or manage the connection history.

Press ▼ / ▲ button to select Mobile Connection Management. Press **OK** button to enter sub-menu.



TV On With Mobile

Press ▼ / ▲ button to select TV On With Mobile. Press **OK** button to enter sub-menu.

If **Turn on via Wi-Fi** or **Turn on via Bluetooth** is set to **On**, you can turn on your TV using an application that supports **TV On With Mobile**.

Screen Share

Press ▼ / ▲ button to select Screen Share. Press **OK** button to setup.

You can delete the connection history of the device that was connected to the TV through Screen Share.

Sound Share

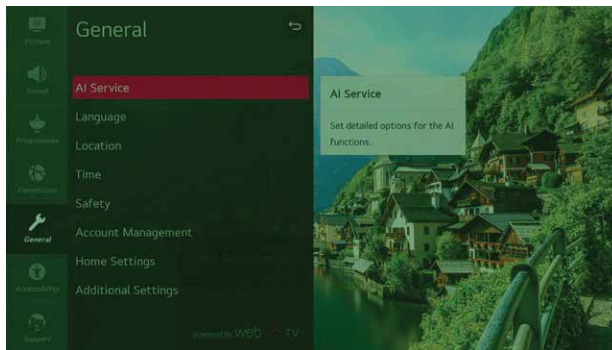
Press ▼ / ▲ button to select Sound Share. Press **OK** button to setup.

You can delete the connection history of the smart device that was connected to the TV via Bluetooth.

General

Highlight the item and press OK button to enter the sub-menu.

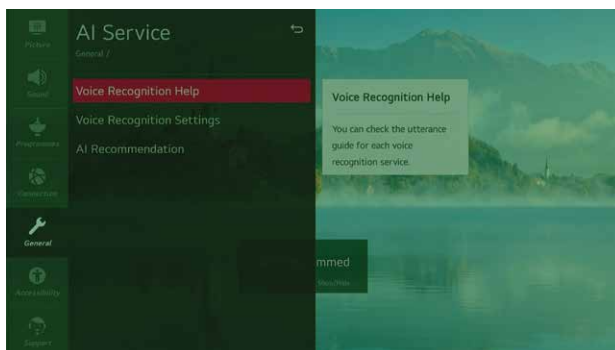
Press ▼ / ▲ button to select General.



AI Service

You can enable the recommended services based on the usage history.

Press ▼ / ▲ button to select AI Service. Press **OK** button to enter sub-menu.



Voice Recognition Help

Press ▼ / ▲ button to select Voice Recognition Help. Press **OK** button to setup.

You can see the list of features you can use through voice control.

Voice Recognition Settings

Press ▼ / ▲ button to select Voice Recognition Settings. Press **OK** button to setup.

You can apply settings for voice recognition features.

AI Recommendation

Press ▼ / ▲ button to select AI Recommendation. Press **OK** button to enter sub-menu.

You can apply settings for voice recognition features.

Content Recommendations

Press ▼ / ▲ button to select Content Recommendations. Press **OK** button to select On/Off.

Network-Based Personalisation Recommendations

Press ▼ / ▲ button to select Network-Based Personalisation Recommendations. Press **OK** button to select On/Off.

Delete Usage Data

Press ▼ / ▲ button to select Delete Usage Data. Press **OK** button to select.

It resets the content view history and the app usage history. If you reset them, it takes some time to receive recommendations for contents again.

Language

You can choose the menu language displayed on the screen and the audio language of the digital broadcast.

Press ▼ / ▲ button to select Language. Press **OK** button to enter sub-menu.

(Optional: Menu Language / Primary Audio Language / Secondary Audio Language / Keyboard Languages / Primary Teletext Language / Secondary Teletext Language)

Press ▼ / ▲ button to select the menu and setup the language.

TV Name

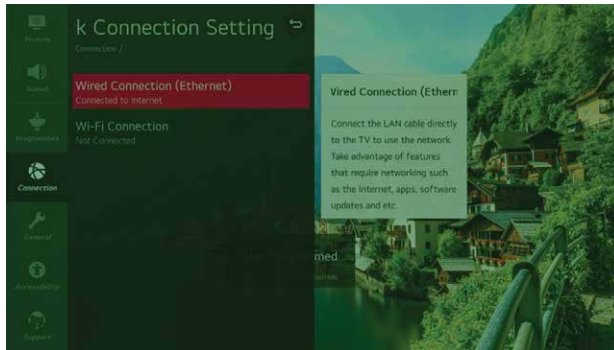
You can use the screen keyboard to set the name for the smart TV to be used on the network.

Press **▼ / ▲** button to select TV Name. Press **OK** button to enter sub-menu.

Network Connection Settings

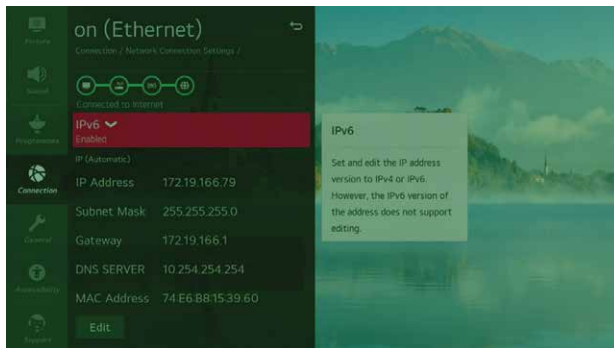
If you configure settings for the network, you can use various services such as online contents and applications.

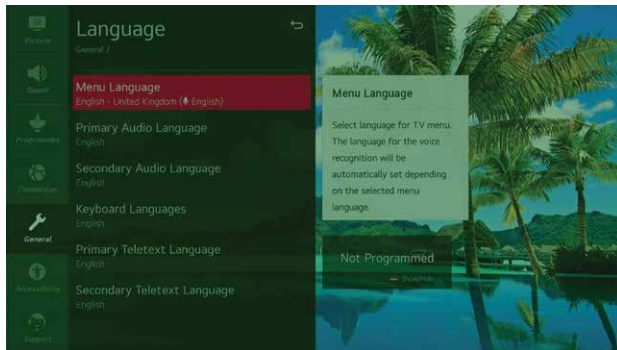
Press **▼ / ▲** button to select Network Connection Settings. Press **OK** button to enter sub-menu.



Wired Connection(Ethernet)

Press **▼ / ▲** button to select Wired Connection(Ethernet). Press **OK** button to enter sub-menu and setup.

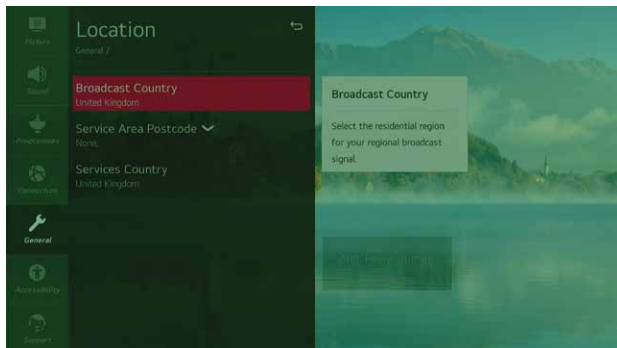




Location

You can change the location setting of your Smart TV.

Press ▼ / ▲ button to select Location. Press **OK** button to enter sub-menu.



Broadcast Country

You can set the broadcast country on your TV.

Service Area Postcode

This function is used to set the broadcast location of the TV by entering your postcode.

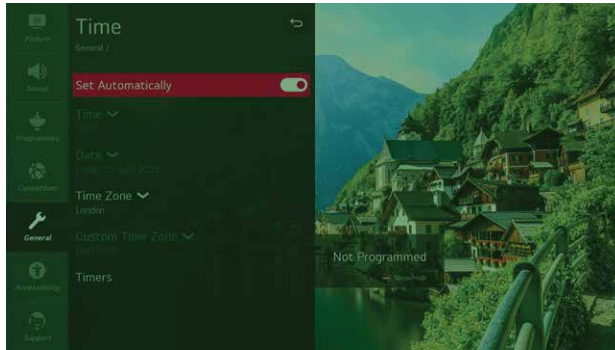
Services Country

If you don't set the Set Automatically, you can select the country manually.

Time

You can check the time or configure related settings.

Press ▼ / ▲ button to select Time. Press **OK** button to enter sub-menu.



Set Automatically

The TV time is automatically set to the time of digital broadcasting information sent from the broadcasting station or the time sent from the server.

Press ▼ / ▲ button to select Set Automatically. Press **OK** button to select On/Off.

Time / Date / Time Zone

You can manually set the time and date if the automatically set current time is incorrect.

Press ▼ / ▲ button to select Set Time / Date / Time Zone. Press **OK** button to select.

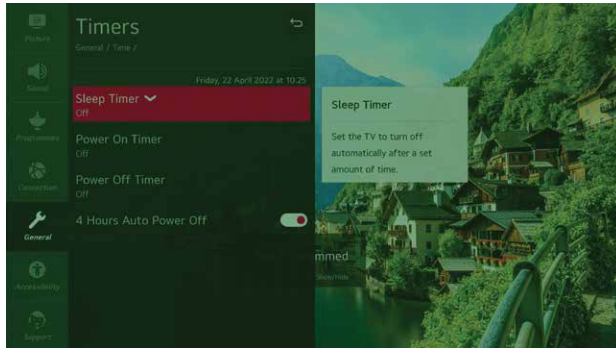
Custom Time Zone

When select the **Custom** in **Time Zone**, **Custom Time Zone** menu is activated.

Press ▼ / ▲ button to select Custom Time Zone. Press **OK** button to select.

Timers

Press ▼ / ▲ button to select Timers. Press **OK** button to enter sub-menu.



Sleep Timer

Press ▼ / ▲ button to select Sleep Timer.

Press ▼ / ▲ button to select Off/10min/20min/30min/60min/90min/120min/180min/240min.

Power On Timer

Press ▼ / ▲ button to select Power On Timer. Press **OK** button to enter sub-menu to setup.

Power Off Timer

Press ▼ / ▲ button to select Power Off Timer. Press **OK** button to enter sub-menu to setup.

4 Hours Auto Power Off

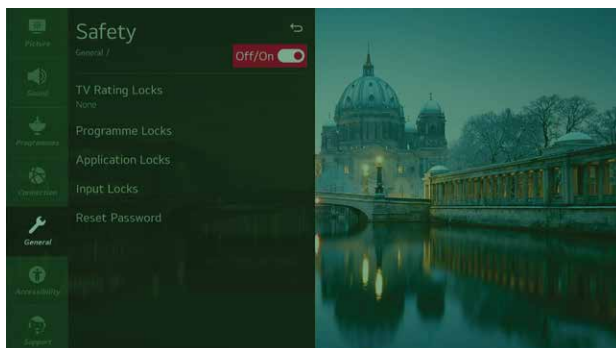
Press ▼ / ▲ button to select 4 Hours Auto Power Off. Press **OK** button to select On/Off.

Safety

Press ▼ / ▲ button to select Safety. Press **OK** button to enter sub-menu.

All the Options are available only when the Safety select **On**.

The initial password is set as "0000".

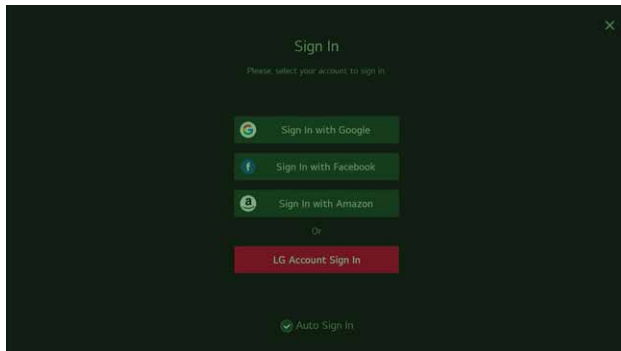


Press ▼ / ▲ button to select the option then press **OK** button to setup.

Account Management

Press ▼ / ▲ button to select Account Management. Press **OK** button to enter sub-menu.

In Account Management, you can use your email address to create a new LG account.



Home Settings

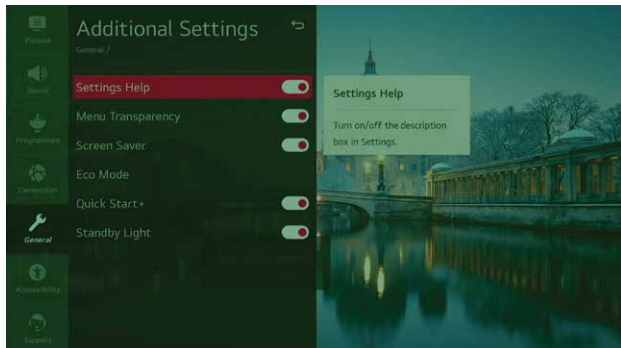
Press ▼ / ▲ button to select Home Settings. Press **OK** button to enter sub-menu.

Home Auto Launch

Press ▼ / ▲ button to select Home Settings. Press **OK** button to select On/Off.

Additional Settings

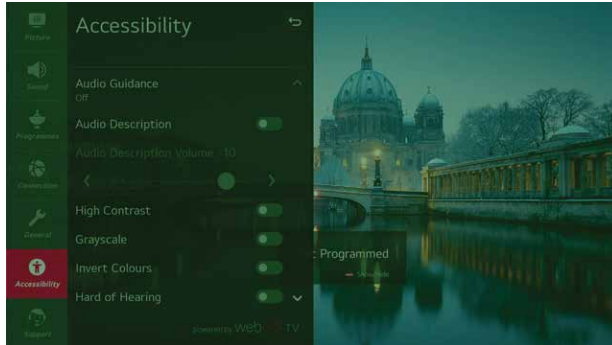
Press ▼ / ▲ button to select Additional Settings. Press **OK** button to enter sub-menu.



Accessibility

Highlight the item and press OK button to enter the sub-menu.

Press ▼ / ▲ button to select Accessibility.



Audio Guidance

Press ▼ / ▲ button to select Audio Guidance. Press **OK** button to enter sub-menu.

All the Options are available only when the Audio Guidance select **On**.

Audio Description

Press ▼ / ▲ button to select Audio Description. Press ◀ / ▶ button to adjust.

It is only available when Audio description setting **ON**.

Audio Description Volume

Press ▼ / ▲ button to select Audio Description Volume. Press **OK** button to select On/Off.

High Contrast/Grayscale/Invert Colours/Hard of Hearing

Press ▼ / ▲ button to select High Contrast/Grayscale/Invert Colours/Hard of Hearing.

Press **OK** button to select On/Off.

Subtitles

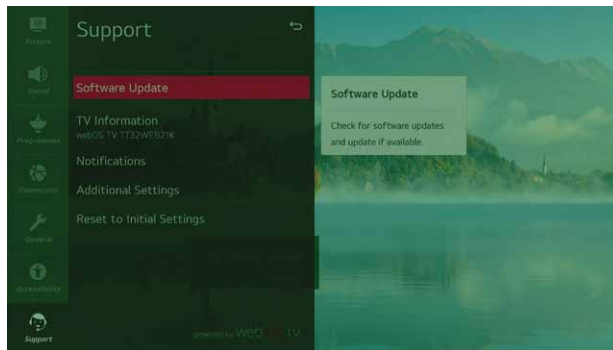
Press ▼ / ▲ button to select Subtitles. Press **OK** button to enter sub-menu.

Then press ▼ / ▲ button to select and setup.

Support

Highlight the item and press OK button to enter the sub-menu.

Press ▼ / ▲ button to select Support.



Software Update

Uses software update to check and obtain the latest version.

Press ▼ / ▲ button to select Software Update. Press **OK** button to enter sub-menu.

Then press ▼ / ▲ button to select and setup.

Allow Automatic Updates

Press ▼ / ▲ button to select Allow Automatic Updates.

If set to **On**, updates will be proceeded automatically without asking when there is a new update after a version check.

Check for updates

Press ▼ / ▲ button to select Check for updates. Press **OK** button to select On/Off.

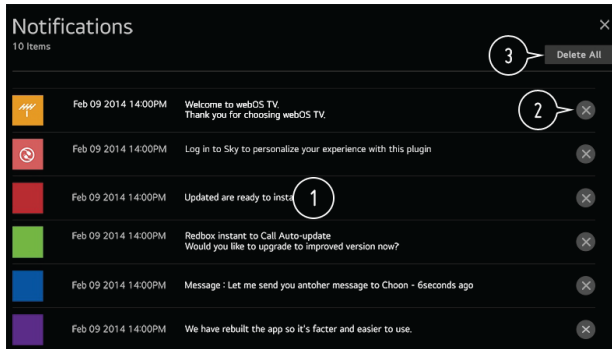
TV Information

You can view information including Model, Serial Number, Device Name.

Press ▼ / ▲ button to select TV Information. Press **OK** button to enter sub-menu.

Notifications

Press ▼ / ▲ button to select Notifications. Press **OK** button to enter sub-menu.



- ① You can check the details by selecting the desired item. If it supports shortcuts, you can launch the app.
- ② You can delete notification.
- ③ You can delete all notifications.

Additional Settings

Press ▼ / ▲ button to select Additional Settings. Press **OK** button to enter sub-menu.

User Agreements

Press ▼ / ▲ button to select User Agreements. Press **OK** button to select.

These are the terms and conditions for privacy for the use of Smart TV-related services.

Legal Notice

Press ▼ / ▲ button to select Legal Notice. Press **OK** button to select.

It's a legal notice for services provided via TV.

Open Source Software Notice

Press ▼ / ▲ button to select Legal Notice. Press **OK** button to select.

You can view the instructions for each item.

Reset to Initial Settings

Press ▼ / ▲ button to select Reset to Initial Settings. Press **OK** button to enter sub-menu.

Return TV to its initial settings. This will revert all settings to their default values.

After reset, the TV will automatically turn off and on.

Note: If Safety is set to **On**, you should type the password to Reset to Initial Settings.

Media

Connect a USB storage device (USB HDD, USB stick) to the USB port on the TV to enjoy the content files stored on the USB storage device on your TV.

Viewing Photos and Video

You can view photos and videos using the Photo & Video app.



- ① Select your desired type of content and viewing method.
- ② Select and delete the desired content.
- ③ Select the content you want to play. You can only select the same type of content as you first selected.
- ④ You can copy content to a USB storage device.
- ⑤ Launch Search.

Using Photo Player

Selecting a photo in the Photo & Video app runs the photo player. You can view your saved photos.



- ① Returns to the entire content list.
- ② You can play background music by running the music player.
- ③ You can zoom in/out of the photos.
- ④ Starts the slide show.
- ⑤ Rotates photos.
- ⑥ 360-degree photos can be viewed in 360 degrees.
- ⑦ You can set the size of a photo or change the speed and effect of a slide show.

Using Video Player

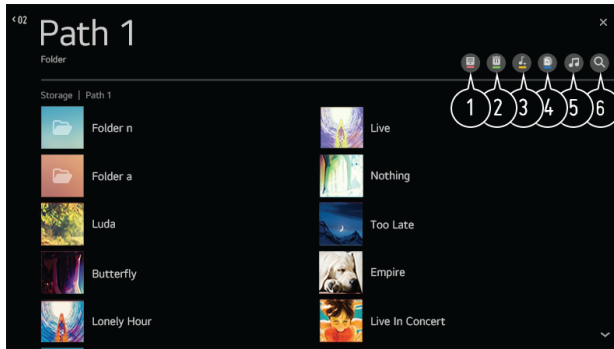
Selecting a photo in the Photo & Video app runs the photo player. You can view your saved videos.



- ① Returns to the entire content list.
- ② You can select other content by displaying the playlist while watching a video.
- ③ You can control basic video playback functions.
- ④ Rotates video.
- ⑤ 360-degree videos can be viewed in 360 degrees.
- ⑥ You can do the settings related to play on repeat of the video.
- ⑦ You can set additional options.

Playing Music

You can listen to music by using the Music app.



- ① Select the desired type of content list.
- ② Select and delete the desired content.
- ③ Select content and add it to My Playlist.
- ④ You can copy content to a USB storage device.
- ⑤ Open the music player.
- ⑥ Launch Search.

Using Music Player

You can play music conveniently by selecting the music files saved in the Music app or by selecting the music player icon during content playback in apps such as Photo & Video.



- ① You can play music from the selected storage device.
- ② You can set repeat playback and random playback.
- ③ The configurable items differ depending on mode.
- ④ You can change the position of the music player.
- ⑤ You can minimize the music player.
- ⑥ This feature closes the music player.
- ⑦ Lyrics are available for music files that provide them.

In some music files, you can choose a lyric section and move the playback position.

SPECIFICATIONS

HDMI INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
576i	720 x 576i	15.63	50
480p	720 x480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50	50
		44.96	59.94/60
1080i	1920 x 1080i	28.13	50
		33.75	59.94/60
1080p	1920 x 1080p	56.25	50
		67.5	59.94/60

COMPONENT (YPbPr) INPUT

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (HZ)
480i	720 x480i	15.73	59.94/60
576i	720 x 576i	15.63	50
480p	720 x480p	31.47	59.94/60
576p	720 x 576p	31.26	50
720p	1280 x 720p	37.50	50
		44.96	59.94/60
1080i	1920 x 1080i	28.13	50
		33.75	59.94/60
1080p	1920 x 1080p	56.25	50
		67.5	59.94/60

Trouble Shooting

Before consulting service personnel, check the following chart for possible solutions.

PROBLEM	SOLUTION
TV will not turn on	<ul style="list-style-type: none">●Make sure the power cord is plugged in.●The batteries in the remote control may be Exhausted; replace the batteries.
No picture, no sound	<ul style="list-style-type: none">●Check the cable between TV and antenna/ external AV device.●Press the power button on the remote.●Press the SOURCE button the remote, then press the “▲/▼”button repeatedly to select the TV source.
Poor picture, sound OK	<ul style="list-style-type: none">●Check the cable between TV and antenna/ external AV device.●Try another channel, the station may have broadcast difficulties.●Adjust the brightness/contrast in the Video menu. Check that the unit is set to PAL
Audio noise	<ul style="list-style-type: none">●Move any infrared equipment away from the TV.

The TFT LED panel uses a panel consisting of sub pixels which requires sophisticated technology to produce. However, there may be a small number of bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.