User Guide

This is a 「User Guide」 installed on the TV.

The contents of this guide are subject to change without prior notice for quality improvement.

❒ To view programme information

Press INFO button.

Displays information on current programme and/or current time, etc.

❒ To set favourite programmes

SETTINGS ⇨ SETUP ➞ Programme Edit

1 Select the channel you want.
2 Press the FAV button to select Favourite Group and then OK.

✎ You can check your favourite channels by pressing the LIST button on the remote control.

❒ To use Favourite

Press the FAV button.

You can only view the channels you set as favourites.

Press GUIDE button.

[In Digital mode only]

Obtains information about programmes and airtime. Checks the broadcasting time of the desired programme and schedule viewing.

❒ Automatically Setting Up Programme

SETTINGS ⇨ SETUP ➞ Auto Tuning

Automatically tunes the programmes.

1 Select Country where the TV is used. Programme settings change depending on the country you choose.
2 Initiate Auto Tuning.
3 Select Input Source of your choice.
4 Set Auto Tuning following screen instructions.

✎ If Input Source is not connected properly, programme registration may not work.

✎ Auto Tuning only finds programmes that are currently broadcasting.

✎ If Lock System is turned on, a pop-up window will appear asking for password.

□ Cable DTV Setting option

When searching for programmes using FULL setting it can take a long time. The following values are needed in order to search all available programmes quickly and correctly. The commonly used values are provided as “default”.

- Frequency : Enter a user-defined frequency.
- Symbol rate : Enter a user-defined symbol rate (Symbol rate: Speed at which a device such as modem sends symbols to a channel).
- Modulation : Enter a user-defined modulation. (Modulation: Loading of audio or video signals onto carrier).
- Network ID : Unique identifier allocated for each user.
- Start Frequency : Enter a user-defined start frequency range.
- End Frequency : Enter a user-defined end frequency range.

□ Satellite Setting Option

- Satellite : Select your desired Satellite.
- LNB Frequency : [Depending on country] Select one value from 9750/10600, 9750/10750, 9750, 10600,10750, 5150, MDU1, MDU2, MDU3, MDU4, MDU5. If you select 9750/10600, 9750/10750(MHz), 22KHz Tone is disabled. If you cannot find the LNB frequency value from the list, select User and manually enter the frequency.
- Transponder : Select the transponder you want to tune.
- 22KHz Tone : When using 22KHz Tone switch, select A or B. If you use 22KHz Tone, Unicable and Motor Type are disabled.
- LNB Power : To enable the power supply for the LNB, select On. If you select Off, Motor Type is disabled.

- DiSEqC : When using DiSEqC, select one option from A~D/ToneA~B. If you use DiSEqC, Unicable and Motor Type are disabled.
- Unicable Settings : Select On to use Unicable and set the Unicable in the Unicable Setting menu. When Unicable is enabled, 22KHz Tone, DiSEqC, Motor Type are disabled.
- Motor Type : Select Motor Type to use Motor and set the Motor in the Motor Setting menu. When Motor is enabled, 22KHz Tone, DiSEqC, Unicable are disabled.

✎ If you set satellite to others, you must add a transponder using Manual Tuning.

✎ When selecting 22KHz Tone and DiSEqc, you must connect them in the same position as displayed on the OSD.

✎ If you delete a Satellite, all programmes stored in the Satellite are deleted.

□ Motor Setting Option

- DiSEqC 1.2 : Control motor to change satellite dish position.
  Drive Direction : Select the direction in which you want to move the motor.
  Drive Mode : Two modes are available: Step and Continuous.
  - Step: The motor moves based on the value you enter (from 1 to 128).
  - Continuous: The motor moves continuously until you press the Stop.

  Test TP : Select the test TP you want to tune.
  Set Limit : Set the motor movement to east or west to have the motor move only within the direction set.
  - On: You can limit the movement to the current direction by selecting the West/East.
  - Off: You can cancel the limit you set.

Go To Zero: You can move the motor to Zero

Store: You can save the motor's current direction.

- USALS : Set your current location(Longitude/Latitude).

❒ Cable DTV Setting

SETTINGS ⇨ SETUP ➞ Cable DTV Setting

[In Cable, Cable & Satellite mode only]

When Channel Auto Update is On, you can update information for all the programmes that can be updated, including the programme currently being watched. When Channel Auto Update is Off, you can only update information for the programme currently being watched.

- ✎ The range that a user can select from the Service Operator menu differs depending on number of Service Operator supported by each country.
- ✎ If number of supported Service Operator for each country is 1, corresponding function becomes inactive.
- ✎ You can not select the Cable DTV Setting when the service operator is set to “Ziggo”.

❒ Satellite Setting

SETTINGS ⇨ SETUP ➞ Satellite Setting

[In Satellite, Antenna & Satellite, Cable & Satellite mode only]

You can add/delete/set the satellite you want.

❒ Programme List Update

SETTINGS ⇨ SETUP ➞ Programme List Update

It updates the changed Programme List information by based on country broadcasting circumstance and satellite.

It updates the Programme List when the TV turn off all the time. After updates, the Programme List may be changed. If not want, select Off.

✎ For Austria, Germany, Poland and Russia, this function is supported when Service Operator is not set to None.

❒ Regional Programme

SETTINGS ⇨ SETUP ➞ Regional Programme

[Only Austria]

[In Satellite, Antenna & Satellite, Cable & Satellite mode only]

Set region broadcasting and watch region broadcasting at a specific time.

✎ To set Service Opearter of Satellite, AKTIV must be selected.

❒ Transponder Edit

SETTINGS ⇨ SETUP ➞ Transponder Edit

[If the program mode is set to Satellite]

You can add/modify/delete a transponder.

- ✎ If Country is set to Russia, press the Blue button on the remote control to set the desired transponder to Home.
- ✎ [In Russia, satellite SO is set to NTV-PLUST and Tricolor TV.]

❒ To use Manual Tuning

SETTINGS ⇨ SETUP ➞ Manual Tuning

Adjusts programmes manually and saves the results.

For digital broadcasting, signal strength and signal quality can be checked.

For analogue broadcasting, you can set up station names and use fine tuning (except for Satellite mode). Normally fine tuning is only necessary if reception is poor.

✎ You can also adjust the frequency(KHz) and Bandwidth.

❒ To edit programmes

SETTINGS ⇨ SETUP ➞ Programme Edit

Edits the saved programmes.

Set as favourite programme, block/unblock programme, skip programme etc. of the selected programme.

SETTINGS ⇨ SETUP → Programme Mode

[Depending on model]

This function allows you to watch a tuned program in Antenna, Cable, Satellite, or CAM Mode.

- ✎ You can only watch programs in the selected mode.
- ✎ The CAM menu is only available when the CAM Mode is enabled. The menu name may vary depending on the CAM type.

Press TEXT button.

[depending on the country]

Teletext is a free service provided by the TV station that offers text-based information about TV programmes, news and weather.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems.

- Colour button: To select the preceding or following page.
- Number button: Enters the desired page number.
- P : To select the preceding or following page.

❒ Special Teletext Function

Press T. OPT button.

Select the Text Option menu.

- Index : Select each index page.
- Time : When viewing a TV programme, select this menu to display the time at the top right hand corner of the screen.
- Hold : Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages.

- Reveal : Select this menu to display concealed information, such as solutions to riddles or puzzles.
- Update : Displays the TV picture on the screen while waiting for a new teletext page.
- Language [In Digital Mode Only] : Sets Teletext language.

Press the TEXT button.

[In UK/Ireland only]

The TV gives you access to digital teletext which gives much better text,graphics etc. than older analogue teletext. This digital teletext can access special digital teletext services and specific services which broadcast digital teletext.

□ Teletext within digital service

1. Press the numeric or P button to select a certain service which broadcasts digital teletext.
2. Follow the indications on digital teletext and move onto the next step by pressing TEXT, OK, Navigation, Red, Green, Yellow, Blue or NUMBER buttons etc..
3. Press the number or P button to use a different digital teletext service.

□ Teletext in digital service

1. Press the numeric or P button to select a certain service which broadcasts digital teletext.
2. Press the TEXT or colour button to switch on teletext.
3. Follow the indications on digital teletext and move onto the next step by pressing OK, Navigation, Red, Green, Yellow, Blue or NUMBER buttons etc..
4. Press the TEXT or colour button to switch off digital teletext and return to TV viewing.

SETTINGS ⇨ OPTION ➞ Data Service

[Depending on country]

This function allows users to choose between MHEG (Digital Teletext) and Teletext if both exist at the same time.

If only one of them exists, either MHEG or Teletext is enabled regardless of which option you selected.

SETTINGS ⇨ SETUP ➞ CI Information

- This function enables you to watch some encrypted services (pay services).
- If you remove the CI Module, you cannot watch pay services.
- CI (Common Interface) functions may not be possible depending upon the country broadcasting circumstances.
- When the module is inserted into the CI slot, you can access the module menu.
- To purchase a module and smart card, contact your dealer.

- When the TV is turned on after inserting a CI Module, you may not have any sound output. The Smart Card may not be compatible with the CI module.
- When using a CAM(Conditional Access Module), please make sure it meets fully the requirements of either DVB-CI or CI plus.
- An abnormal process of CAM(Conditional Access Module) may cause a bad picture.
- [Depending on model] If the TV does not display any video and audio when CI+ CAM is connected, please contact to the Terrestrial/Cable/Satellite Service Operator.

SETTINGS ⇨ PICTURE ➞ Aspect Ratio

Selects the screen aspect ratio.

- 16:9: Resizes images to fit the screen width.
- Just Scan: Displays video images in the original size without removing parts of the edge of the image.
  - ✎ In DTV, Component, HDMI, and DVI (over 720p) mode, Just Scan is available.
- Original: When your TV receives a wide screen signal it will automatically change to the picture format broadcasted.

- Full Wide: When TV receives the wide screen signal, it will let you adjust the picture horizontally or vertically, in a linear proportion,to fill the entire screen fully. 4:3 and 14:9 video is supported in full screen without any video distortion through DTV input.
  ✎ In Analogue/DTV/AV/Scart mode, Full Wide is available.
- 4:3: Resizes images to the previous standard 4:3.
- 14:9: You can view a picture format of 14:9 or a general TV programme in the 14:9 mode. The 14:9 screen is viewed in the same way as in 4:3, but is moved up or down.
- Zoom: Resizes images to fit the screen width. The top and bottom parts of the image may be cut off.

- Cinema Zoom: Choose Cinema Zoom when you want to enlarge the picture in correct proportion.

✎ While viewing an external device, these cases may result in image burn:
- a video with stationary caption (such as network name)
- 4 : 3 aspect ratio mode for an extended period

Take caution when using these functions.

✎ Available picture size may differ depending on the input signal.

✎ The screen aspect ratios on HDMI-PC or RGB-PC input are available in 4:3 and 16:9 only. (Only for models supporting PC connection)

[Depending on model]

Press the AV MODE button.

Sets the best PICTURE / AUDIO optimized for different AV modes.

- Off: Operates with the value set in the PICTURE / AUDIO Menu.
- Cinema: Optimizes picture and audio settings for movies.
- Game: Optimizes picture and audio settings for games.

❒ To adjust picture with Picture Wizard

SETTINGS ⇨ PICTURE ➞ Picture Wizard II

Calibrates and adjusts for optimum picture quality using the remote control and the Picture Wizard without expensive pattern devices or help from a specialist.

Follow the instructions on screen to obtain optimum picture quality.

❒ To select Picture Mode

SETTINGS ⇨ PICTURE ➞ Picture Mode

Selects the picture mode optimized for the viewing environment or the programme.

- Eco: The Energy Saver feature changes settings on the TV to reduce power consumption.
- isf ccc Expert: Menu for adjusting picture quality that allows experts and amateurs to enjoy the best TV viewing. This is the adjustment menu provided for ISF-certified picture tuning professionals. (ISF logo can only be used on ISF-certified TVs.)
  ISFccc: Imaging Science Foundation Certified Calibration Control

- Depending on input signal, available range of picture modes may differ.
- isf Expert mode is for picture tuning professionals to control and fine-tune using a specific image. For normal images, the effects may not be dramatic

❒ To fine-tune picture mode

SETTINGS ⇨ PICTURE ➞ Picture Mode ➞ Backlight / Contrast / Brightness / Sharpness / Colour / Tint / Colour Temp.

First select a Picture Mode of your choice.

- Backlight: Adjusts the display brightness by varying the brightness of the LCD panel.

✎ Depending on the input signal or other picture settings, the range of detailed items for adjustment may differ.

❒ To set advanced control

SETTINGS ⇨ PICTURE → Picture Mode → Advanced Control / Expert Control

Calibrates the screen for each picture mode; or adjusts picture settings for a special screen. First select a Picture Mode of your choice.

- Dynamic Contrast: Adjusts the contrast to the optimal level according to the brightness of the image.
- Dynamic Colour: Adjusts colours to make the image appear in more natural colours.

- Skin Colour: Sets Skin colour spectrum separately to implement the skin colour as defined by the user.
- Sky Colour : Sky colour is set separately.
- Grass Colour : Natural colour spectrum (meadows, hills, etc.) can be separately set.
- Gamma: Sets the gradation curve according to the output of picture signal in relation to the input signal.

- Colour Gamut: Selects the range of colours that can be expressed.
- Edge Enhancer: Shows clearer and distinctive yet natural edges of the video.
- Expert Pattern: Patterns used for expert adjustment
- Colour Filter: Filters a specific colour spectrum in RGB colours to fine-tune colour saturation and hue accurately.

- Colour Temperature: Adjusts the overall tone of the screen as desired. In Expert mode, detailed fine-tuning can be set via Gamma method, etc.
- Colour Management System: This is a system that experts use when they adjust colour with a test pattern. They can select from six colour areas (Red / Green / Blue / Cyan / Magenta / Yellow) without affecting other colours. For normal images, adjustments may not result in noticeable colour changes.

✎ Depending on input signal or other picture settings, the range of detailed items for adjustment may differ.

❒ To set additional picture options

SETTINGS ⇨ PICTURE ➞ Picture Mode ➞ Picture Option

Adjusts detailed setting for images.

- Noise Reduction : Eliminates noise in the picture.
- MPEG Noise Reduction : Eliminates noise generated while creating digital picture signals.
- Black Level : Adjusts the brightness and contrast of the screen to suit the black level of the input picture by using the blackness (black level) of the screen.

- Real Cinema : Helps keep the screen in optimal condition.
- Motion Eye Care : [Depending on model] Saves power consumption by adjusting the brightness corresponding to the movement of the image on the screen.

✎ Depending on input signal or other picture settings, the range of detailed items for adjustment may differ.

❒ To reset picture settings

SETTINGS ⇨ PICTURE ➞ Picture Mode ➞ Picture Reset

Resets picture settings that the user customizes.

Each picture mode is reset. Select the picture mode you wish to reset.

SETTINGS ⇨ PICTURE ➞ Energy Saving

Reduces power consumption by adjusting screen brightness.

- Off : Turns off Energy Saving mode.
- Minimum / Medium / Maximum : Applies the pre-set Energy Saving mode.
- Screen Off : Screen is turned off and only sound is played. Press any button except Power button on the remote control to turn the screen back on.

❒ To use Sound Mode

SETTINGS ⇨ AUDIO ➞ Sound Mode

Adjusts TV audio to an optimal level according to a selected sound mode.

- Standard : Suitable for all types of video.
- Music / Cinema / Sport / Game : Sets audio optimized for a specific genre.

❒ To adjust User Setting function

SETTINGS ⇨ AUDIO ➞ Sound Mode ➞ User Setting

Adjusts the volume to a level of your choice using the User EQ.

- Reset : Resets voice options that the user has changed.

❒ To use TV speaker

SETTINGS ⇨ AUDIO ➔ Sound Out ➔ TV Speaker

Sound is output through the TV speaker.

❒ To use External Speaker

SETTINGS ⇨ AUDIO ➞ Sound Out ➞ External Speaker (Optical)

[Only available for models with an optical port]

Sound is output through the speaker connected to the optical port.

✎ SimpLink is supported.

□ To use Digital Sound Out

SETTINGS ⇨ AUDIO ➔ Sound Out ➔ External Speaker (Optical) ➔ Digital Sound Out

[Depending on model]

Sets up Digital Sound Out.

Item	Audio Input	Digital Audio output
Auto	MPEG	PCM
	Dolby Digital	Dolby Digital
	Dolby Digital Plus	Dolby Digital
	HE-AAC	Dolby Digital
PCM	All	PCM

❒ To connect and use LG audio device

SETTINGS ⇨ AUDIO ➔ Sound Out ➔ LG Sound Sync (Optical)

[Only available for models with an optical port]

Connect LG audio device with the Sound Sync logo to the optical digital audio output port.

LG audio device allows you to enjoy rich powerful sound easily.

❒ To use Headphone

SETTINGS ⇨ AUDIO ➞ Sound Out ➞ Headphone

[Only available for models with an earphone/headphone port]

Sound is output through the headphone connected to the earphone/headphone port.

✎ If you connect headphones while the TV is powered on, it automatically detects the headphones and sounds through them.

❒ To set Virtual Surround mode

SETTINGS ⇨ AUDIO ➞ Virtual Surround

LG's proprietary audio processing technology allows 5-channel-like surround sound from two speakers.

✎ If Clear Voice II is set to On, Virtual Surround will not be selected.

❒ To adjust Clear Voice II function

SETTINGS ⇨ AUDIO ➞Clear Voice II

Boosts audio clarity from the TV.

❒ To set Auto Volume

SETTINGS ⇨ AUDIO ➔ Auto Volume

Auto Volume to On. Varying volume output from channel to channel is automatically adjusted for convenient TV watching when clicking through different programme.

❒ To synchronize audio and video

SETTINGS ⇨ AUDIO ➔ AV Sync. Adjust

Synchronizes video and audio directly when they do not match.

If you set AV Sync. Adjust to ON, you can adjust the sound output (TV speakers or SPDIF) to the screen image.

❒ To adjust audio balance

SETTINGS ⇨ AUDIO ➔ Balance

Adjusts left/right audio balance.

❒ To use Sound Optimizer function

SETTINGS ⇨ AUDIO ➔ Sound Optimizer

optimized sound for custom TV installation.

[Depending on model]

- Normal: General sound mode.
- Wall Mount Type: Optimizes sound for a wall-mounted TV.
- Stand Type: Optimizes sound for a stand-mounted TV.

❒ DTV Audio Setting

SETTINGS ⇨ AUDIO ➔ DTV Audio Setting

[Depending on model]

When an input signal comprises different audio signals, this function allows you to select the audio type you want.

If set to AUTO, the search order is HE-AAC → Dolby Digital+ → Dolby Digital → MPEG and output is produced in the first Audio Format found.

✎ In Italy / Latvia / Lithuania only, the search order is HE-AAC → Dolby Digital+ → MPEG → Dolby Digital.

✎ If the selected Audio Format is not supported, another Audio Format may be used for output.

❒ To select external input

Press INPUT button.

Selects external input.

✎ Edit the device name: You can edit the name of the external device connected to the external input port.

❒ To use SIMPLINK

SIMPLINK is a feature that enables you to control and manage various multimedia devices conveniently using only the TV remote control via the SIMPLINK menu.

1 Connect the TV's HDMI IN terminal and the SIMPLINK device's HDMI output terminal using an HDMI cable.

- [Depending on model] For home theatre units with a SIMPLINK function, connect HDMI terminals as above, and use an optical cable to connect Optical Digital Audio Out from the TV to Optical Digital Audio In of the SIMPLINK device.

2 Select INPUT ⇨ SimpLink. SIMPLINK menu window appears.

3 In SIMPLINK Setting window, sets SIMPLINK function to ON.

4 In SIMPLINK menu window, selects the device you want to control.

- This function is only compatible with devices with the SIMPLINK logo.
- To use the SIMPLINK function, you need to use a high-speed HDMI® cable (with CEC (Consumer Electronics Control) feature added). High-speed HDMI® cables have the No. 13 pin connected for information exchange between devices.
- If you switch to another input, the SIMPLINK device will stop.
- If a third-party device with the HDMI-CEC function is also used, the SIMPLINK device may not work normally.
- [Depending on model] If you select or play media from a the device with a home theatre function, the HT Speaker is automatically connected.
  Be sure to connect with an optical cable (sold separately) to use the HT Speaker function.

□ SIMPLINK function description

- Direct Play: Plays the multimedia device on the TV instantly.
- Select multimedia device: Selects the desired device via the SIMPLINK menu to control it from the TV screen instantly.
- Disc playback: Manages the multimedia device with the TV remote control.
- Power off all devices: When you power off the TV, all connected devices are turned off.
- Sync Power on: When the equipment with SIMPLINK function connected HDMI terminal starts to play, the TV will automatically turn on.
- Speaker: [Depending on model] Select speaker either on the home theatre unit or the TV.

❒ To use Sleep Timer

SETTINGS ⇨ TIME ➔ Sleep Timer

Turns off the TV after a preset number of minutes.

To cancel the Sleep Timer, select Off.

❒ To set current time

SETTINGS ⇨ TIME ➔ Clock

Checks or changes the time while watching TV.

- Auto : Synchronizes the TV clock to the digital time information sent by the TV station.
- Manual : Sets the time and date manually if the auto setup does not correspond to the current time.

❒ To set the TV to turn on and off automatically

SETTINGS ⇨ TIME ➔ On Time / Off Time

Sets On / Off time.

Select Off on Repeat to discontinue On Time / Off Time.

✎ To use On Time / Off Time, set the current time correctly.

✎ Even when the On Time function is on, the TV will turn off automatically in 120 minutes when no button is pressed within that time.

❒ To set Automatic Standby

SETTINGS ⇨ TIME ➔ Automatic Standby

[Depending on model]

If you do not press any button on the TV or remote control for a certain period, the TV will automatically switch to standby mode.

✎ This function does not work on Store Demo mode or while software update.

❒ To set password

SETTINGS ⇨ LOCK ➞ Set Password

Sets or changes TV password.

✎ The initial password is set to 「0000」.
When France is selected for Country, password is not 「0000」 but 「1234」.
When France is selected for Country, password cannot be set to 「0000」.

❒ To lock system

SETTINGS ⇨ LOCK ➞ Lock System

Locks the selected channel or external input.

First set Lock System to On.

- Block Programme : Blocks programmes with content inappropriate for children. Programmes can be selected but the screen is blank and the audio is muted. To watch a locked programme, enter the password.

- Parental Guidance : This function operates according to information from the broadcaster. Therefore if the signal has incorrect information, this function does not operate. Prevents children from watching certain adult TV programmes according to the ratings limit set. Enter a password to watch a blocked programme. Ratings differ by country.
- Input Block : Block the input sources.

❒ To use Key Lock

SETTINGS ⇨ LOCK ➞ Key Lock

Locks control buttons on TV.

- ✎ Key Lock function remains intact even in case of power outage or when the power cord is removed from the wall socket.
- ✎ Key Lock function can only be set by remote control, and not by the button on the TV.
- ✎ Even though Key Lock is set to ON, TV's buttons can turn on the power.

SETTINGS ⇨ OPTION ➞ Language

You can select the language of the menu displayed on the screen and the digital sound broadcasting.

- Menu Language : Selects a language for the display text.
- Audio Language [In Digital mode Only] : Selects the desired language when watching digital broadcasting containing several voice languages.
- Subtitle Language [In Digital mode Only] : Use the Subtitle function when two or more subtitle languages are broadcast.

  ✎ If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed.

- Text Language [In Digital mode Only] : Use the Text language function when two or more Text languages are broadcast.
  - ✎ If teletext data in a selected language is not broadcast, the default Text language will be displayed.
  - ✎ If you select the wrong local country, teletext may not appear correctly on the screen and some problems may occur during teletext operation.

SETTINGS ⇨ OPTION ➞ Country

[Depending on country]

Sets the country that the TV uses.

TV settings are changed according to the broadcast environment of the selected country.

- ✎ If the country setting is changed, the Auto Tuning information screen may appear.
- ✎ In a country that Digital broadcasting regulation isn't fixed, some DTV functions may not work depending on digital broadcasting circumstances.
- ✎ If the country setting is set to "--", European terrestrial digital standard broadcasting programmes are available, but some DTV functions may not work properly.

SETTINGS ⇨ OPTION ➞ Disability Assistance

Audio commentary or subtitles are provided for those who are hard of hearing or visually impaired.

- Hard of Hearing: This function is used for the hearing impaired. If it is set to on, the subtitle is displayed by default.
- Audio Description: This function is for the blind, and provides explanatory audio describing the current situation in a TV programme in addition to the basic audio. When Audio Description is selected On, basic audio and Audio Description are provided only for those programmes that have Audio Description included.

❒ To set Power Indicator

SETTINGS ⇨ OPTION ➔ Standby Light

Turns the standby light in the front panel of the TV on/off.

❒ To specify Factory Reset

SETTINGS ⇨ OPTION ➔ Factory Reset

All stored information is deleted and TV settings are reset.

TV turns itself off and back on, and all settings are reset.

✎ When Lock System is in place, a pop-up window appears and asks for password.

✎ Do not turn off the power during initialization.

❒ To change TV mode

SETTINGS ⇨ OPTION ➔ Mode Setting

Selects Home Use or Store Demo.

When in use in home, please select Home Use.

Store Demo mode is for store display.

❒ To view 3D images

3D imaging is a technology that utilizes the slight difference between the left and right eyes to make images on TV look just like real-life three-dimensional space.

1 Play a 3D image title or turn to a 3D channel.
2 Put on 3D glasses.
3 Press 3D button to change to 3D imaging.
4 To end 3D image viewing, press the 3D button on the remote control while viewing 3D images.

❒ To adjust details of 3D images

Press the 3D OPTION button.

Changes 3D image viewing options.

- 3D Picture Correction : Flips left/right images. Select a better 3D screen.
- 3D Depth : Adjusts depth between an object and its surroundings.
- 3D Viewpoint : Adjusts 3D depth between an object and its surroundings by moving the 3D image screen back and forth.

❒ Viewing 3D images - warning

- ✎ When viewing 3D images, it is recommended that you maintain a distance of at least twice the screen's diagonal length.
- ✎ 3D images may not be viewed correctly with shutter-type glasses that require recharging.
- ✎ If a future 3D broadcasting format that is not supported by this TV becomes the standard, you may require an additional device such as a set-top box.

❒ Using 3D glasses - warning

- ✎ Do not use the 3D glasses as a replacement for your own corrective glasses, sunglasses, or protective goggles. Incorrect use of 3D glasses may cause eye injuries.
- ✎ Do not store 3D glasses in extreme conditions. Exposure to excessively high or low temperatures may deform the lenses. Do not use deformed glasses.
- ✎ Do not apply pressure to 3D glasses or subject them to any impact. Subjecting 3D glasses to rough handling may damage them.
- ✎ The lenses on 3D glasses (with polarizing film) are vulnerable to scratches. Use only a soft and clean cloth for cleaning. A dirty cloth may scratch the polarizing film.
- ✎ Do not scratch the lens surface of the 3D glasses with sharp objects or clean with chemicals. If the lens surface is scratched, 3D images may not display correctly.

Plays content stored on a USB device (external HDD, USB memory stick) directly on the TV, easily and conveniently.

❒ To connect a USB device

Connect the USB storage device to the TV's USB IN terminal.

The connected USB storage device can be used immediately.

❒ To remove the USB device

Q.MENU ⇨ USB Device

Select a USB storage device that you want to remove.

When you see a message that the USB device has been removed, separate the device from the TV.

✎ Once a USB device has been selected for removal, it can no longer be read. Remove the USB storage device and then re-connect it.

❒ Using a USB storage device - warning

- ✎ If the USB storage device has a built-in auto recognition program or uses its own driver, it may not work.
- ✎ Some USB storage devices may not work or may work incorrectly.
- ✎ Use only USB storage devices formatted with the Windows FAT32 or NTFS File System.
- ✎ For external USB HDDs, it is recommended that you use devices with a rated voltage of less than 5 V and a rated current of less than 500 mA.

- ✎ It is recommended that you use USB memory sticks of 32 GB or less and USB HDDs of 1 TB or less.
- ✎ If a USB HDD with power-saving function does not work properly, turn the power off and on. For more information, refer to the user manual of the USB HDD.
- ✎ Data in the USB storage device can be damaged, so be sure to back up important files to other devices. Data maintenance is the user's responsibility and the manufacturer is not responsible for data loss.

❒ To use My Media

SETTINGS ⇨ MY MEDIA ➞ All Media / Movie List / Photo List / Music List

Selects a file from the list. Displays the file that you choose.

Sets play related settings by checking option during disk playback.

❒ To set up My Media

SETTINGS ⇨ OPTION ➞ DivX(R) VOD

- Registration : Checks DivX Reg. Code for replaying DivX protected videos. Register at http://vod.divx.com. Use Reg. Code to rent or purchase movies at www.divx.com/vod.
  - ✎ Rented/purchased DivX files cannot be played if the DivX Registration Code of a different device is used. Use only the DivX Registration Code granted to this specific device.
  - ✎ Converted files not conforming to the DivX Codec Standard may not play or may produce abnormal sound.
- Deregistration : Deregisters DivX.

❒ My Media supporting file

Maximum data transfer rate:

20 Mbps (megabits per second)

External subtitle formats supported:

*.smi, *.srt, *.sub (MicroDVD, SubViewer 1.0/2.0), *.ass, *.ssa, *.txt (TMPlayer), *.psb (PowerDivX)

Internal subtitle formats supported:

XSUB (supports internal subtitles generated from DivX6)

□ Available video file

Maximum: 1920 x 1080 @30p (only Motion JPEG 640x480 @30p)

.asf, .wmv

[Video] VC-1 Advanced Profile, VC-1 Simple and Main Profiles, MP43
[Audio] WMA Standard

.3gp, .3gp2

[Video] H.264/AVC, MPEG-4 Part2
[Audio] AAC, AMR(NB/WB)

.divx, .avi

[Video] DivX3.11, DivX4, DivX5, DivX6, XViD, H.264/AVC, Motion JPEG
[Audio] MPEG-1 Layer I, II, Dolby Digital, MPEG-1 Layer III (MP3). *DTS

.mp4, .m4v, .mov

[Video] H.264/AVC, MPEG-4 Part 2, XViD
[Audio] AAC, MPEG-1 Layer III (MP3)

.mkv

[Video] H.264/AVC, XViD, MPEG-4 Part2

[Audio] HE-AAC, Dolby Digital, MPEG-1 Layer III (MP3), *DTS

.ts, .trp, .tp, .mts, .m2ts

[Video] H.264/AVC, MPEG-2

[Audio] MPEG-1 Layer I, II, MPEG-1 Layer III (MP3), Dolby Digital, Dolby Digital Plus, AAC

.vob

[Video] MPEG-1, MPEG-2

[Audio] Dolby Digital, MPEG-1 Layer I, II, DVD-LPCM

.mpg, .mpeg, .mpe

[Video] MPEG-1

[Audio] MPEG-1 Layer I, II

*DTS : Depending on model

□ Available music file

File type : mp3

[Bit rate] 32 Kbps - 320 Kbps
[Sample freq.] 16 kHz - 48 kHz
[Support] MPEG1, MPEG2, Layer2, Layer3

File Type : AAC

[Bit rate] Free Format
[Sample freq.] 8 kHz ~ 48 kHz
[Support] ADIF, ADTS

File Type : M4A

[Bit rate] Free Format
[Sample freq.] 8 kHz ~ 48 kHz
[Support] MPEG-4

File Type : OGG

[Bit rate] Free Format
[Sample freq.] ~ 48 kHz
[Support] Vorvis

File Type : WMA

[Bit rate] 128 kbps ~ 320 kbps
[Sample freq.] 8 kHz ~ 48 kHz
[Support] WMA7, 8, 9 Standard

File Type : WMA 10 Pro

[Bit rate] ~ 768 kbps
[Channel / Sample freq.]
- M0 : Up to 2 / 48 kHz
- M1 : Up to 5.1 / 48 kHz
- M2 : Up to 5.1 / 96 kHz

[Support] WMA 10 Pro

□ Available photo file

Category : 2D(jpeg, jpg, jpe), 3D(jps)

[Available file type] SOF0: baseline,
SOF1: Extend Sequential,
SOF2: Progressive

[Photo size] Minimum: 64 x 64
Maximum: Normal Type: 15360 (W) x 8640 (H)
Progressive Type: 1920 (W) x 1440 (H)

Category : 3D (mpo)

[Available file type] mpo

[Photo size] 4:3 size: 3,648 x 2,736 / 2,592 x 1,944 / 2,048 x 1,536
3:2 size: 3,648 x 2,432

Category : BMP

[Photo size] Minimum : 64 x 64
Maximum : 9600 x 6400

Category : PNG

[Available file type] Interlace, Non-Interlace
[Photo size] Minimum : 64 x 64
Maximum : Interlace : 1200 x 800
Non-Interlace : 9600 x 6400

✎ BMP and PNG format files may be slower to display than JPEG.

❒ Items to note when playing videos

- ✎ Some subtitles created by users may not work properly.
- ✎ The video and subtitle files should be placed in the same folder. For subtitles to display correctly, the video and subtitle files must have the same name.
- ✎ We do not support any stream that contains GMC (Global Motion Compensation) or Qpel (Quarterpel Motion Estimation).
- ✎ Only H.264/AVC profile level 4.1 and lower is supported.
- ✎ Video files that exceed 50 GB (gigabyte) are not supported for playback. The file size limit is dependent on the encoding environment.
- ✎ The DTS is supported only for playback of USB and HDMI video files [depending on the model].
- ✎ The DTS support may vary depending on your country and model. For more information, refer to 「Quick Guide」 provided with the product.

SETTINGS ⇨ Customer Support ➞ Software Update

Uses Software Update to check and obtain the latest version. If not updated, certain functions may not work properly.

It is also possible to check manually for available updates.

- Software Update : Set it to On. If an update is available, a prompt will appear to perform the update.
- Automatic update mode : If an update is available, the update automatically starts without prompting.
- Check Update Version : Checks the latest update version installed. When a new update is available, the download process can be performed manually. [Depending on model]

- When the update starts, the update progress window appears for a short time and disappears.
- The latest version can be obtained via the digital broadcast signal or an internet connection. [Depending on model]
- Changing the programme while downloading the software via a digital broadcast signal interrupts the download process. Returning to the initial programme allows downloading to resume.
- If software is not updated, certain functions may not work properly.
- [For Finland/Sweden/Denmark/Norway models.]
  If the software update is performed via the broadcasting signal, you will be prompted to continue the update regardless of whether the Automatic update mode is enabled or not.

If the following symptoms occur, please carry out the checks and adjustments described below. There may be no malfunction.

❒ Operational problems

☑ Cannot view certain programmes.

- Adjust the location or orientation of the antenna.
- Save the programmes you wish to view using Auto Tuning or Programme Edit.

☑ There is a delay after the TV is switched on before the image is fully visible.

- This is normal. Any delay is due to an image deletion process which cleans up image noise that may occur when the TV is first switched on.

❒ Image problems

SETTINGS ⇨ Customer Support ➞ Picture Test

Run an Picture Test first to verify that the image signal output is normal.

If there is no problem with the test image, check connected external devices and the broadcast signal.

☑ Images from previous programme or other programmes linger or the screen displays annoying lines.

- Adjusts the orientation of the antenna to the TV transmitter, or refer to the manual for instructions on connecting the antenna.

☑ Vibrating horizontal /vertical lines and fishnet patterns appear momentarily.

- Such a problem may happen when there is strong electronic interference. Turn off other electronic devices such as mobile phones, power tools and other small electrical appliances.

☑ The screen display freezes or does not work properly during a digital broadcast.

- This may occur in case of a weak signal or unstable reception. Adjust the antenna orientation and cable connections.
- If the signal strength or quality is low on Manual Tuning, check with the TV station or administration office.

☑ Digital broadcasting is not available even though the cable is connected.

- Check with the cable operator providing your subscription and/or signal. (Depending on your subscription, digital broadcasting may not be supported.)

☑ The display is inactive or unclear when connected to an HDMI® source.

- Check the HDMI® cable specifications. If your HDMI® cable is not genuine, images may fade in and out or not be displayed properly.
- Ensure that all cables are securely connected. When connections are not secure, images may not be properly displayed.

☑ Does not work with a USB storage device.

- Verify that the USB device and cable is version 2.0 or higher.

❒ Sound problems

SETTINGS ⇨ Customer Support ➔ Sound Test

Run a Sound Test first to verify that the sound signal output is normal.

If there is no problem with the test sound, check connected external devices and the broadcast signal.

☑ Screen display is on but there is no sound.

- Check other TV programmes.
- [Depending on model] Ensure the TV Speaker is set to On.

☑ For an analogue broadcast, stereo is not clear or sound comes from one speaker only.

- In a poor reception area (areas with weak or unstable signals) or if Multi Audio is not stable, select Mono on Multi Audio.
- Adjust the Balance using the Navigation Button.

☑ TV sound is not in sync with the image or the sound breaks up occasionally.

- If the issue affects a specific TV programme only, it may be caused by problems with the broadcast signal for the individual station. Check with the TV station or your cable operator.

☑ The volume changes when I change programme.

- Volume can vary from programme to programme.
- Set Auto Volume to On.

☑ On certain programmes, there is no sound at all, or only the background music can be heard (in case of a programme created for overseas viewers).

- In Language, set Language → Audio Language to the language of your choice. Even if you change the language on Multi Audio, you can go back to the default setup once you turn off the power or change the programme.

☑ There is no sound when connected to an HDMI® / USB source.

- Make sure that the HDMI® cable is high speed.
- Check that the USB device and cable is version 2.0 or higher.
- Use only regular music (*mp3) files.

❒ PC connection problem (Only for models supporting PC connection)

☑ The screen display does not come on after connecting to the computer.

- Make sure that the computer and the TV are securely connected.
- Check whether the resolution is correctly set for PC input.
- To use the TV as a secondary monitor, check if the connected desktop or laptop supports dual monitor display.

☑ There is no sound after connecting the computer with the HDMI cable.

- Check with manufacturer of your video card to ensure it supports HDMI voice output. (Video cards in DVI format require connection of a separate sound cable.)

☑ When connected to the computer, the display is partially cut off or shifts to one side.

- Set the resolution to support PC input.
  (If this does not work, reboot the computer.)

❒ Problems replaying movies in My Media

☑ I cannot view the files on the Movie List.

- Check whether the file on the USB storage device can be read on a computer.
- Check whether the file extension is supported.

☑ The file is invalid. The above error message appears. Sound, video or subtitles is not normal.

- Make sure that the file replays normally on the computer's video player. (Check for damaged files.)
- Check if My Media can support the selected file.

✎ For information on requesting service, refer to the following menu.
SETTINGS ⇨ Customer Support ➞ Product/Service Info.

Product certified before February 15, 2013
Продукт, сертифицированный до 15 февраля 2013 г.

BZ03

Product certified after February 15, 2013
Продукт, сертифицированный после 15 февраля 2013 г.



ПІІ ‘ЛГ Електронікс Україна’, Україна, 01004, м. Київ, вул. Басейна, 4 (літера А),
тел.: +38 (044) 201-43-50, факс: +38 (044) 201-43-73

Обмеження України на наявність небезпечних речовин

Устаткування відповідає вимогам технічного регламенту щодо обмеженного використання небезпечних речовин в електричному і електронному обладнанні.

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

❒ EU Conformity Notice

CE LG Electronics hereby declares that this product is in compliance with the following Directives.

EMC Directive 2004/108/EC

LOW VOLTAGE Directive 2006/95/EC

European representative:

LG Electronics Inc. Krijgsman 1, 1186 DM Amstelveen, The Netherlands

❒ Information for recycling (take-back offer)

This product may contain parts which could be hazardous to the environment.

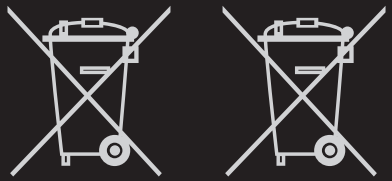
It is important that this product be recycled after use.

LGE handles all waste products through an environmentally acceptable recycling method. There are several take-back and recycling systems currently in operation worldwide.

Many parts will be reused and recycled, while harmful substances and heavy metals are treated by an environmentally friendly method. If you want to find out more information about our recycling program, please contact your local LG vendor or a corporate representative of LG. and Information of Regional Take back Schemes can be found at :

http://www.lg.com/global/sustainability/environment/take-back-recycling.jsp

❒ Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only.

To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of

waste batteries.

For more detailed information about recycling of this product or battery, please contact your local authority, your household waste disposal service or the shop where you purchased the product.

❒ Energy Saving

Energy efficiency cuts energy consumption and thus saves money by reducing electricity bills.

The following indications allow to reduce power consumption when the television is not being watched:

- turning the television off at its mains supply, or un-plugging it, will cut energy use to zero for all televisions, and is recommended when the television is not being used for a long time, e.g. when on holiday,
- putting the television into standby mode, will reduce energy consumption, but will still draw some power,
- reducing the brightness of the screen will reduce energy use.