

WATCHING TV

Turning the TV on for the first time

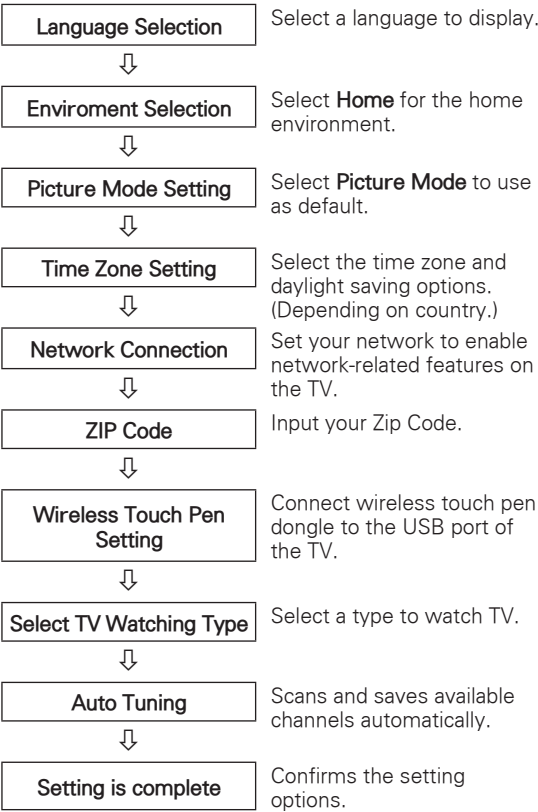
When you turn the TV on for the first time, the Initial setting screen appears. Select a language and customize the basic settings.

- 1 Connect the power cord to a power outlet.
- 2 In Standby mode, press the power button on the remote control to turn the TV on.
The Initial setting screen appears when you turn the TV on for the first time.

 **NOTE**

- You can also access **Initial Setting** by accessing **OPTION** in the main menu.

- 3 Follow the on-screen instructions to customize your TV settings according to your preferences.



 **NOTE**

- To display images in the best quality for your home environment, select **Home Use**.
- **Store Demo** is suitable for the retail environment.
- If you select **Store Demo**, the any customized settings will switch back to the default settings of **Store Demo** in 5 minutes.

- 4 When the basic settings are complete, press the **Wheel (OK)** button.

 **NOTE**

- If you do not complete the Initial setting, it will appear whenever the TV turns on.
- Disconnect the power cord from the power outlet when you do not use the TV for a long period of time.

- 5 To turn the TV off, press the power button on the remote control.

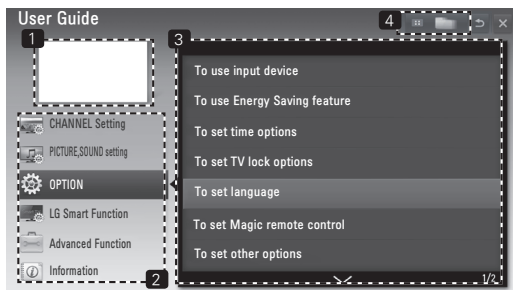
USING THE USER GUIDE

User Guide allows you to more easily access the detailed TV information.

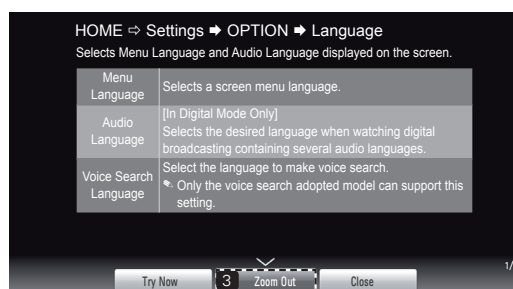
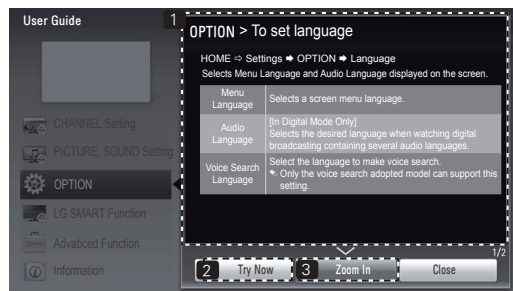
- 1 Press the **HOME** button to access the HOME menu.
- 2 Select User Guide and press the **Wheel (OK)** button.



User Guide



- 1 Shows the current channel.
- 2 Allows to select the category you want.
- 3 Allows to select the item you want.
You can use **^**/**▼** to move between pages.
- 4 Allows to browse the description of the function you want from the index.



- 1 Shows the description of the selected menu.
You can use **^**/**▼** to move between pages.
- 2 Moves to the selected menu directly from the User Guide.
- 3 Zooms in or out the screen.

TROUBLESHOOTING

General

Problem	Solution
Cannot control the TV with the remote control.	• Check the remote control sensor on the product and try again. • Check if there is any obstacle between the product and the remote control. • Check if the batteries are still working and properly installed (⊕ to ⊕, ⊖ to ⊖).
No image display and no sound is produced.	• Check if the product is turned on. • Check if the power cord is connected to a wall outlet. • Check if there is a problem in the wall outlet by connecting other products.
The TV turns off suddenly.	• Check the power control settings. The power supply may be interrupted. • Check if the Auto sleep feature is activated in the Time settings. • If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.
When connecting to the PC, 'No Signal' or 'Invalid Format' is displayed.	• Turn the TV off/on. • Reconnect the RGB/HDMI cable. • Restart the PC with the TV on.

EXTERNAL CONTROL DEVICE SETUP

To obtain the external control device setup information, please visit 'www.lg.com'.

SPECIFICATIONS

Product specifications may be changed without prior notice due to upgrade of product functions.

Power requirement		AC 100 - 240 V ~ 50 / 60 Hz
Television System		NTSC-M, ATSC, 64 & 256 QAM
Program Coverage		VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135
External Antenna Impedance		75 Ω
Environment condition	Operating Temperature	0 - 40 °C
	Operating Humidity	Less than 80 %
	Storage Temperature	-20 - 60 °C
	Storage Humidity	Less than 85 %

MODELS		50PH4700 (50PH4700-UD)
Dimensions (Width x Height x Depth)	With stand	1,168 mm x 755.4 mm x 292.7 mm (45.9 inch x 29.7 inch x 11.5 inch)
	Without stand	1,168 mm x 698.6 mm x 57.0 mm (45.9 inch x 27.5 inch x 2.2 inch)
Weight	With stand	25.4 Kg (55.9 lbs)
	Without stand	24.0 Kg (52.9 lbs)
Current Value / Power consumption		

MODELS		60PH6700 (60PH6700-UB)
Dimensions (Width x Height x Depth)	With stand	1,386.8 mm x 874.0 mm x 340.0 mm (54.5inch x 34.4 inch x 13.3 inch)
	Without stand	1,386.8 mm x 821.7 mm x 57.0 mm (54.5 inch x 32.3 inch x 2.2 inch)
Weight	With stand	37.7 Kg (83.1 lbs)
	Without stand	34.5 Kg (76.0 lbs)
Current Value / Power consumption		

3D supported mode

- Media contents and a player need to support HDMI 3D Frame Packing, HDMI 3D Side by Side, HDMI 3D Top & Bottom to play in 3D.
- Video, which is input as HDMI,USB,DLNA, is switched into the 3D screen automatically. (This function does not support all of the 3D video format. The specific 3D video format is not switched into the 3D screen automatically.)
- 2D -> 3D mode is available to watch for all signals.
- For models supporting WiDi, you can set the 3D mode in the same way as in RGB (PC) mode.

Input	Signal	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Playable 3D video format
HDMI-DTV	480p	640X480	62.938 / 63	59.94/ 60	Frame packing, Line alternative
		720X480			
		640X480	31.469 / 31.5		Side-by-side(Full), Top-and-Bottom, Side-by-side(half)
		720X480			
	720p	1280X720	89.91/90	59.94 / 60	Frame packing, Line alternative
			44.96 / 45	59.94 / 60	Side-by-side(Full), Top-and-Bottom Side-by-side(half), Single Frame Sequential
	1080i	1920X1080	67.432 / 67.5	59.94 / 60	Frame packing, Field alternative
			33.72 / 33.75	59.94 / 60	Side-by-side(Full), Top-and-Bottom, Side-by-side(half)
	1080p	1920X1080	53.946 / 54	23.97 / 24	Frame packing, Line alternative
			67.432/67.5	29.976 / 30	
26.97 / 27			23.97 / 24	Side-by-side(Full), Top-and-Bottom, Side-by-side(half), Checkerboard	
33.716 / 33.75			29.976 / 30.00		
67.43 / 67.5			59.94 / 60	Top-and-Bottom, Side-by-side(half), Checkerboard, Single Frame Sequential, Row Interleaving, Column Interleaving	
HDMI-PC	1024x768		48.363	60.004	Side by Side(Half), Top & Bottom
	1360x768		47.712	60.015	Side by Side(Half), Top & Bottom
	1920x1080		67.50	60.00	Side by Side(Half), Top & Bottom Checkerboard, Single Frame Sequential Row Interleaving, Column Interleaving
Component	720p	1280X720	44.96 / 45	59.94 / 60	Side by Side, Top & Bottom
	1080i	1920X1080	33.72 / 33.75	59.94 / 60	
USB	1080p	1920X1080	33.75	30	Side by Side, Top & Bottom, Checker Board, Single Frame Sequential, Row Interleaving, Column Interleaving, MPO(Photo), JPS(Photo) (Photo : Side by Side(half), Top & Bottom)
DLNA	1080p	1920X1080	33.75	30	Side by Side, Top & Bottom, Checker Board, Single Frame Sequential, Row Interleaving, Column Interleaving, MPO(Photo), JPS(Photo) (Photo : Side by Side(half), Top & Bottom)
	Signal				Playable 3D video format
DTV	720p, 1080i				Side by Side, Top & Bottom

HDMI/DVI-DTV supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720x480	31.469 31.5	59.94 60
1280x720	44.96 45	59.94 60
1920x1080	33.72 33.75 26.97 27 33.716 33.75 67.43 67.5	59.94 60 23.97 24 29.976 30.00 59.94 60

Component port connecting information

Component ports on the TV	Y	P _B	P _R
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Video output ports on DVD player	Y	P _B	P _R
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

Signal	Component
480i	O
480p	O
720p/1080i	O
1080p	O (60 Hz only)

Wireless LAN module(WN8122E1) specification

Standard	IEEE802.11a/b/g/n
Frequency Range	2400 to 2483.5 MHz 5150 to 5250 MHz 5725 to 5850 MHz
Output Power (Max.)	802.11a: 16.5 dBm 802.11b: 16 dBm 802.11g: 15.5 dBm 802.11n - 2.4GHz: 15.5 dBm 802.11n - 5GHz: 16.5 dBm

- Because band channel used by the country could be different, the user can not change or adjust the operating frequency and this product is set for the regional frequency table.
- The product with Wireless LAN module is designed for Indoor use only and the product should be installed and operated with minimum distance 20 cm between the radiator & your body.
- Contains FCC ID: BEJWN8122E1
- Contains IC: 2703H-WN8122E1

Bluetooth module (BM-LDS401) specification

Standard	Bluetooth Version 3.0
Frequency Range	2400 ~ 2483.5 MHz
Output Power (Max.)	10 dBm or lower

- Contains FCC ID: BEJLDS401
- Contains IC: 2703H-LDS401