Setting up the TV

You can mount your TV to a wall or attach the stand if you wish to place the TV on an entertainment center or other furniture.

Attaching the stand

If you are not mounting the TV to a wall, use the following instructions to attach the stand.

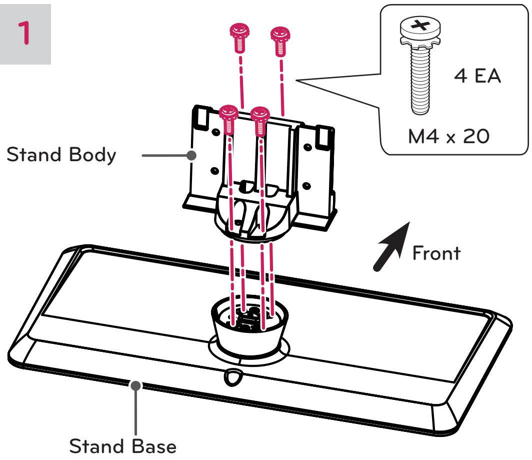
CAUTION

- When attaching the stand to the TV set, place the screen facing down on a cushioned table or flat surface to protect the screen from scratches.
- Make sure that the screws are fastened tightly. (If they are not fastened securely enough, the TV may tilt forward after being installed.)
- Do not tighten the screws with too much force; otherwise they may be damaged and come loose later.

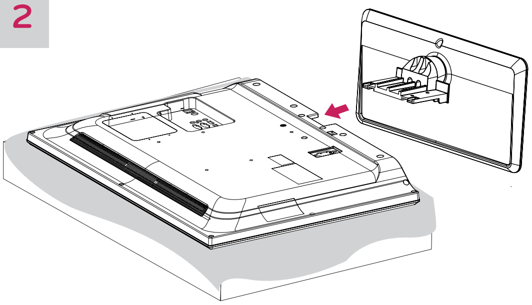
NOTE

- Remove the stand before installing the TV on a wall mount by performing the stand attachment in reverse.

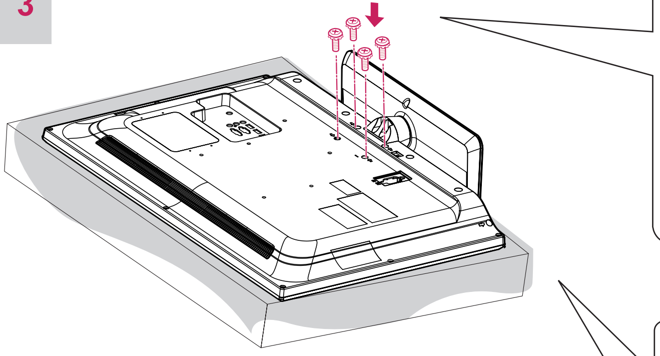
1

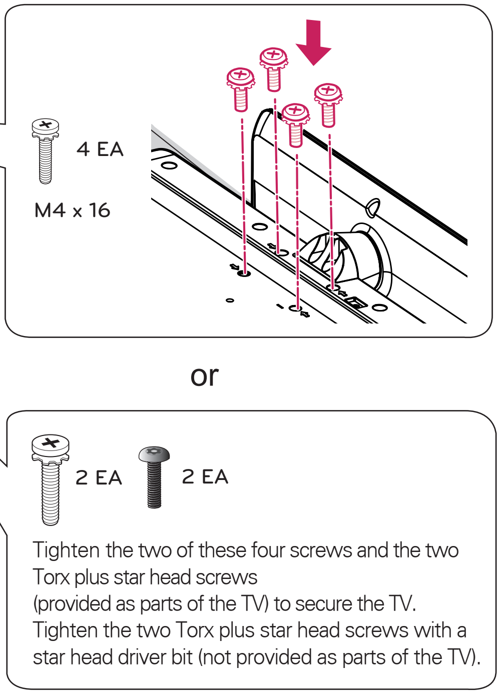


2



3

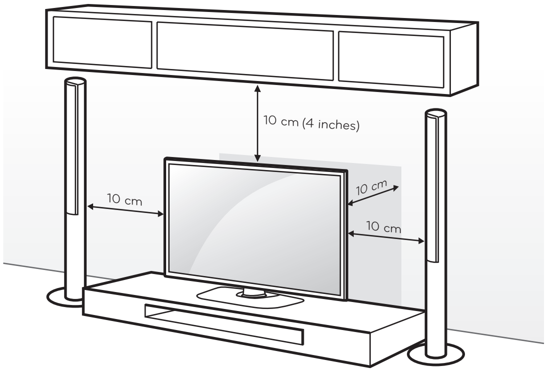




Tighten the two of these four screws and the two Torx plus star head screws (provided as parts of the TV) to secure the TV. Tighten the two Torx plus star head screws with a star head driver bit (not provided as parts of the TV).

Mounting on a table

1 Lift and tilt the TV into its upright position on a table.
  - Leave a 10 cm (4 inch) (minimum) space from the wall for proper ventilation.



2 Connect the power cord to a wall outlet.

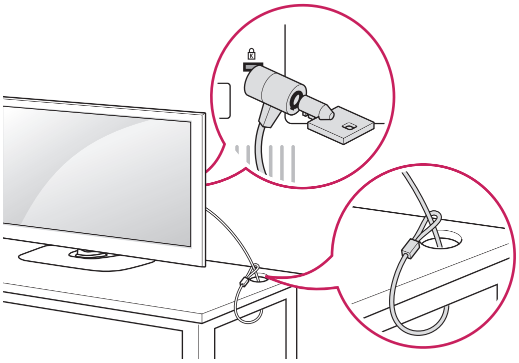
CAUTION

- Do not place the TV near or on sources of heat, as this may result in fire or other damage.

Using the Kensington security system (optional)

The Kensington security system connector is located at the rear of the TV.
For more information of installation and using, refer to the manual provided with the Kensington security system or visit http://www.kensington.com.

Connect the Kensington security system cable between the TV and a table.

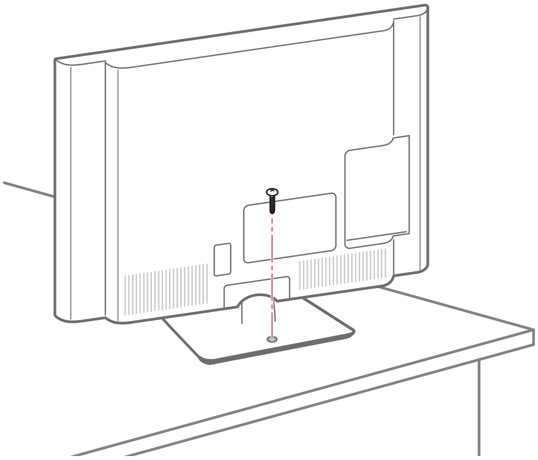


NOTE

- The Kensington security system is optional. You can obtain additional accessories from your local dealer.

Securing the TV to a table

Fix the TV to a table to prevent from tilting forward, damage, and potential injury.
Mount the TV on a table, and then insert and tighten the supplied screw on the rear of the stand.



WARNING

- To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the TV may cause injury.

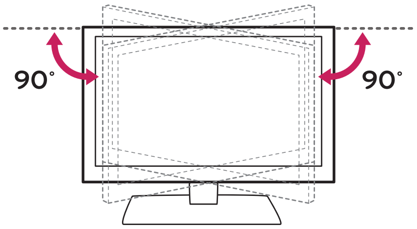
CAUTION

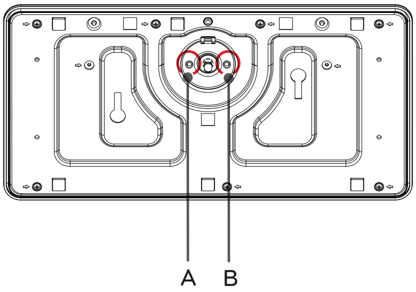
- Make sure that children do not climb on or hang on the TV.

Adjusting the angle of the TV to suit view

(Depending on model)

The swivel angle is adjustable. If no adjustment screw (M6 X 10) is used, the swivel angle is ±90°.
Installing the adjustment screw in the B position will restrict the swivel angle to ±45°, and installing the adjustment screw in the A position will restrict the swivel angle to ±20°.
Installing an adjustment screw in the A and B positions will restrict the swivel angle to ±20°.
(Basically, only one screw (M6 X 10) is provided for fixing swivel.)





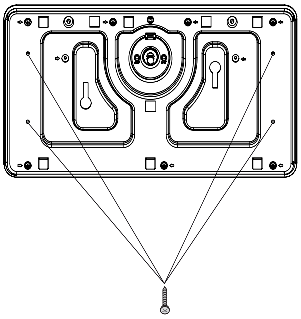
⚠ CAUTION

- When adjusting the angle of the TV, watch out for your fingers.
  - Personal injury may occur if hands or fingers are pinched. If the product is tilted too much, it may fall, causing damage or injury.

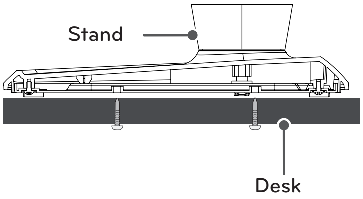
Attaching the TV to a desk

The TV should be attached to a desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product.

TYPE 1



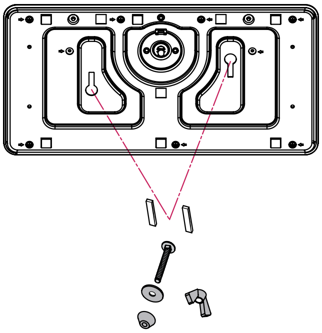
4-Screws
(Not provided as parts of the product)



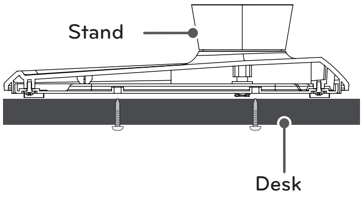
NOTE

- Screw: M5 x L (*L: Table depth + 8~10 mm) ex) Table depth: 15mm, Screw: M5 x 25

TYPE 2

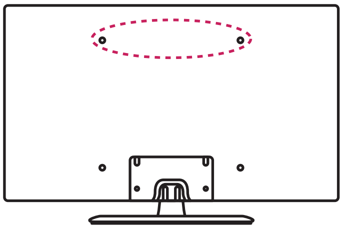


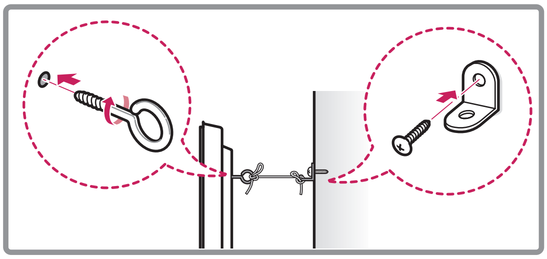
2-Screws, 2-Washers, 2-Nuts, 4-Rubbers
(provided as parts of the product)



Securing the TV to a wall (optional)

(Depending on model)





1 Insert and tighten the eye-bolts, or TV brackets and bolts on the back of the TV.
- If there are bolts inserted at the eye-bolts position, remove the bolts first.

2 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eye-bolts on the rear of the TV.

3 Connect the eye-bolts and wall brackets tightly with a sturdy rope. Make sure to keep the rope horizontal with the flat surface.

CAUTION

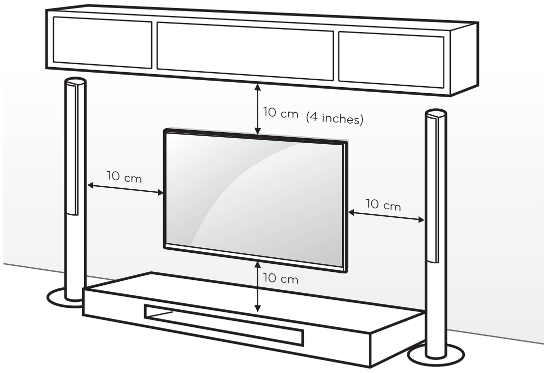
- Make sure that children do not climb on or hang on the TV.

NOTE

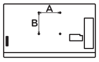
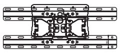
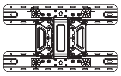
- Use a platform or cabinet that is strong and large enough to support the TV securely.
- Brackets, bolts and ropes are optional. You can obtain additional accessories from your local dealer.

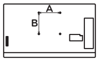
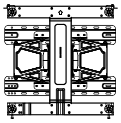
Mounting on a wall

An optional wall mount can be used with your LG Television. Consult with your local dealer for a wall mount that supports the VESA standard used by your TV model. Carefully attach the wall mount bracket at the rear of the TV. Install the wall mount bracket on a solid wall perpendicular to the floor. If you are attaching the TV to other building materials, please contact qualified personnel to install the wall mount. Detailed instructions will be included with the wall mount. We recommend that you use an LG brand wall mount.



Make sure to use screws and wall mounts that meet the VESA standard. Standard dimensions for the wall mount kits are described in the following table.

Model	32LP645H 32LP620H 32LP621H	37LP645H 37LP620H 37LP621H 39LP645H 39LP620H 42LP645H 42LP620H 42LP621H
VESA (A x B) 	200 x 100	200 x 200
Standard screw	M4	M6
Number of screws	4	4
Wall mount bracket (optional)	LSW130B 	LSW230B 

Model	47LP645H 55LP645H 60LP645H
VESA (A x B) 	400 x 400
Standard screw	M6
Number of screws	4
Wall mount bracket (optional)	LSW430B 

CAUTION

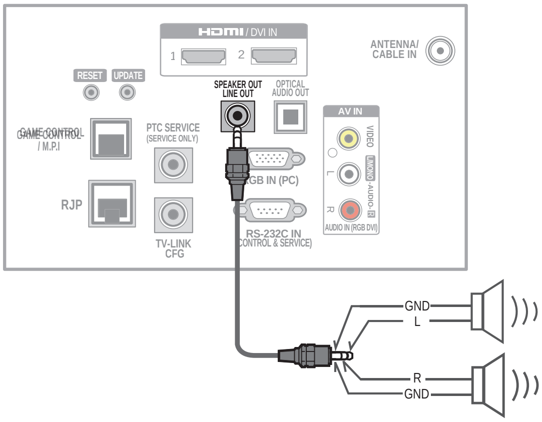
- Disconnect the power before moving or installing the TV. Otherwise electric shock may occur.
- If you install the TV on a ceiling or slanted wall, it may fall and result in severe injury.
  Use an authorized LG wall mount and contact the local dealer or qualified personnel.
- Do not over tighten the screws as this may cause damage to the TV and void your warranty.
- Use the screws and wall mounts that meet the VESA standard. Any damages or injuries by misuse or using an improper accessory are not covered by the warranty.

NOTE

- The wall mount bracket is optional. You can obtain additional accessories from your local dealer.
- Use the screws that are listed in the VESA standard screw specifications.
- The wall mount kit includes an installation manual and necessary parts.
- The length of screws may differ depending on the wall mount. Make sure to use the proper length.
- For more information, refer to the manual supplied with the wall mount.

External speaker out

Connect the external speaker.


HDMI / DVI IN
1
2
ANTENNA/ CABLE IN
RESET
UPDATE
SPEAKER OUT LINE OUT
OPTICAL AUDIO OUT
GAME CONTROL / M.P.I
PTC SERVICE (SERVICE ONLY)
AV IN
VIDEO
L/MONO -AUDIO- R
L
R
RGB IN (PC)
RJP
TV-LINK CFG
RS-232C IN (CONTROL & SERVICE)
AUDIO IN (RGB DVI)
GND
L
R
GND

NOTE

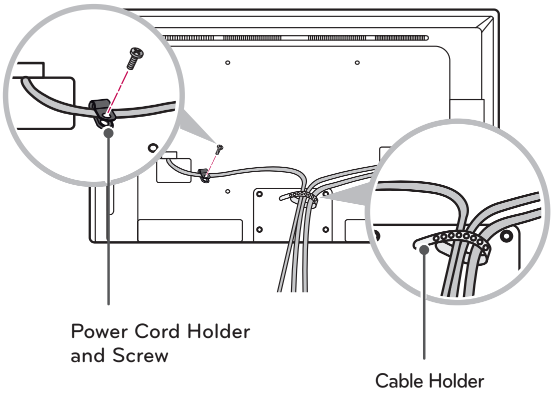
- Make sure that the external speaker should be connected with TV under power-off state.
- Use external speaker with SE type (3 pin).

Tidying cables

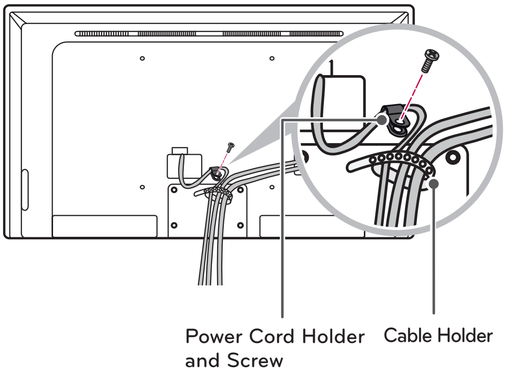
1 Install the power cord holder and power cord. It will help prevent the power cable from being removed by accident.

2 Gather and bind the cables with the cable holder.

For 32/37/39/42LP645H, 32/37/39/42LP620H, 32/42LP621H


Power Cord Holder and Screw
Cable Holder

For 47/55/60LP645H

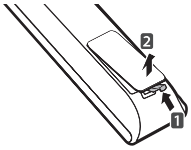

Power Cord Holder and Screw
Cable Holder

CAUTION

- Do not move the TV by holding the cable holder and power cord holder, as the cable holders may break, and injuries and damage to the TV may occur.

REMOTE CONTROL

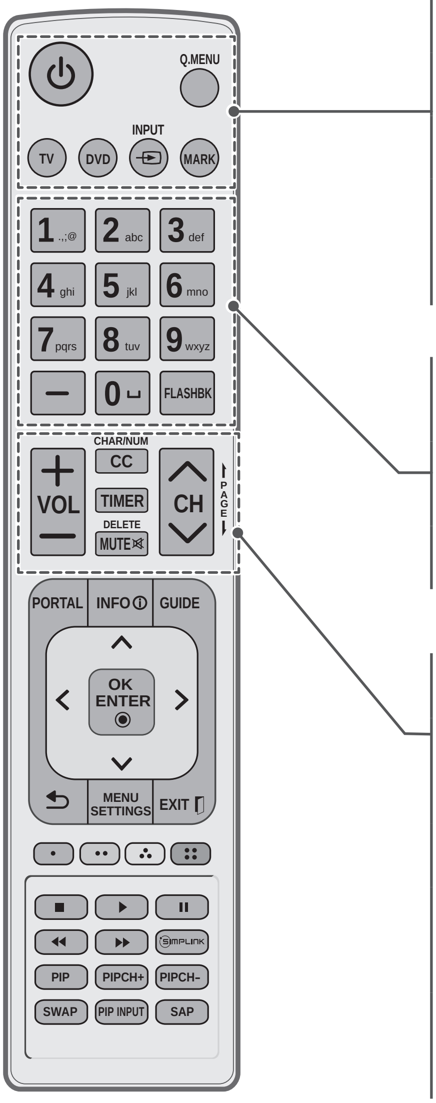
Below is a description of the remote control. Your remote control may look slightly different.
To install batteries, open the battery cover, insert batteries (1.5 V AAA) matching the ⊕ and ⊖ ends to the label inside the compartment, and close the battery cover. To remove the batteries, perform the installation actions in reverse.



⚠ CAUTION

- Do not mix old and new batteries, as this may damage the remote control.

This remote uses infrared light. When in use, it should be pointed in the direction of the TV's remote sensor.


Q.MENU
INPUT
TV
DVD
MARK
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
0
FLASHBK
CHAR/NUM
CC
VOL
TIMER
DELETE
MUTE
CH
PAGE
PORTAL
INFO
GUIDE
OK
ENTER
MENU
SETTINGS
EXIT
SIMPLINK
PIP
PIPCH+
PIPCH-
SWAP
PIP INPUT
SAP

⏻ (POWER)
Turns the TV on or off.

Q. MENU
Not functional

TV
Selects the remote's operating mode: TV.

DVD
Selects the remote's operating mode: DVD.

⇥ INPUT
Rotates through inputs. Also switches the TV on from standby.

MARK
Not functional

Number button
Enters channel numbers or other numbers required.
Also supports characters.

— (DASH)
Selects a program number for multiple program channels such as 2-1, 2-2, etc.

FLASHBK
Tunes to the last channel or input viewed.

+ VOL —
Adjusts the volume level.

CHAR/NUM
Switches between Letter and Number input modes.

CC
Selects a closed caption.

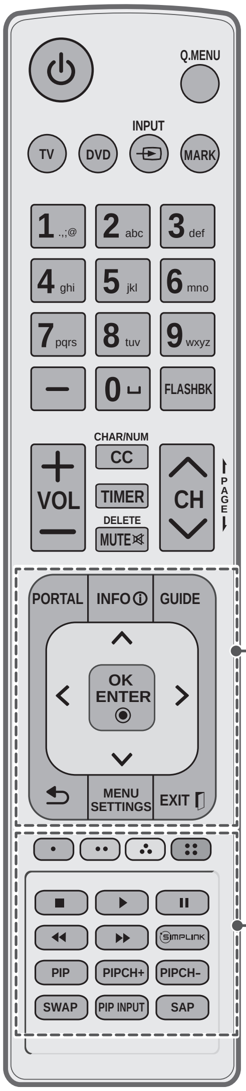
TIMER
Turns the TV off in a set amount of time.

DELETE
Deletes letters and numbers.

MUTE 🔇
Mutes all sounds.

∧ CH ∨
Scrolls through the saved channels.

↑ PAGE ↓
Moves to the previous or next screen.


Q.MENU
INPUT
TV
DVD
MARK
1 .,;@
2 abc
3 def
4 ghi
5 jkl
6 mno
7 pqrs
8 tuv
9 wxyz
0
FLASHBK
CHAR/NUM
CC
VOL
TIMER
DELETE
MUTE
CH
PAGE
PORTAL
INFO ⓘ
GUIDE
OK
ENTER
MENU
SETTINGS
EXIT
SIMPLINK
PIP
PIPCH+
PIPCH-
SWAP
PIP INPUT
SAP

PORTAL
Displays and removes the interactive menu.

INFO ⓘ
Views the information of the current program and screen.

GUIDE
Displays and removes the electronic program guide.

Navigation buttons (up/down/left/right)
Scrolls through menus or options.

OK/ENTER ◉
Selects menus or options and confirms your input.

↺ (BACK)
Returns to the previous level.

MENU/SETTINGS
Accesses the main menu.

EXIT
Clears all on-screen displays and returns to TV viewing.

Color buttons (•: Red, ••: Green, ∴: Yellow, ⁘: Blue)
These access special functions in some menus.

VCR/DVD/USB control buttons (■, ▶, ❚❚, ◀◀, ▶▶)
Controls video cassette recorders or DVD players or USB.

SIMPLINK
Accesses the AV devices connected to the TV;
Opens the SIMPLINK menu.

PIP
Not functional

PIP CH +/-
Not functional

SWAP
Not functional

PIP INPUT
Not functional

SAP
Analog mode: Selects MTS sound (Mono, Stereo or SAP)
DTV mode: Changes the audio language.

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		32LP645H (32LP645H-UH)	32LP620H (32LP620H-UH)	32LP621H (32LP621H-UA)
Dimensions (W x H x D)	With stand	738 x 497 x 207 (mm)		
		29.0 x 19.6 x 8.1 (inch)		
	Without stand	738 x 449 x 79 (mm)		
		29.0 x 17.7 x 3.1 (inch)		
Weight	With stand	7.0 kg (15.4 lbs)		
	Without stand	6.4 kg (14.1 lbs)		
Current Value / Power consumption		1.3 A / 80 W		

MODELS		37LP645H (37LP645H-UH)	37LP620H (37LP620H-UH)
Dimensions (W x H x D)	With stand	849 x 558 x 226 (mm)	
		33.4 x 22.0 x 8.9 (inch)	
	Without stand	849 x 500 x 79 (mm)	
		33.4 x 19.7 x 3.1 (inch)	
Weight	With stand	9.1 kg (20.1 lbs)	
	Without stand	8 kg (17.6 lbs)	
Current Value / Power consumption		1.5 A / 150 W	

MODELS		39LP645H (39LP645H-UH)	39LP620H (39LP620H-UH)
Dimensions (W x H x D)	With stand	894 x 583 x 283 (mm)	
		35.2 x 23.0 x 11.1 (inch)	
	Without stand	894 x 537 x 79 (mm)	
		35.2 x 21.1 x 3.1 (inch)	
Weight	With stand	9.7 kg (21.4 lbs)	
	Without stand	8.6 kg (19.0 lbs)	
Current Value / Power consumption		1.5 A / 150 W	

MODELS		42LP645H (42LP645H-UH)	42LP620H (42LP620H-UH)	42LP621H (42LP621H-UA)
Dimensions (W x H x D)	With stand	968 x 625 x 283 (mm)		
		38.1 x 24.6 x 11.1 (inch)		
	Without stand	968 x 579 x 79 (mm)		
		38.1 x 22.8 x 3.1 (inch)		
Weight	With stand	13.3 kg (29.3 lbs)		
	Without stand	9.6 kg (21.2 lbs)		
Current Value / Power consumption		1.6 A / 160 W		

MODELS		47LP645H (47LP645H-UH)
Dimensions (W x H x D)	With stand	1,080 x 688 x 282.4 (mm)
		42.5 x 27.1 x 11.1 (inch)
	Without stand	1,080 x 642 x 80.5 (mm)
		42.5 x 25.3 x 3.2 (inch)
Weight	With stand	16.7 kg (36.8 lbs)
	Without stand	13.4 kg (29.5 lbs)
Current Value / Power consumption		1.3 A / 130 W

MODELS		55LP645H (55LP645H-UH)
Dimensions (W x H x D)	With stand	
	Without stand	
Weight	With stand	
	Without stand	
Current Value / Power consumption		

MODELS		60LP645H (60LP645H-UA)
Dimensions (W x H x D)	With stand	
	Without stand	
Weight	With stand	
	Without stand	
Current Value / Power consumption		

HDMI (DTV) supported mode

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)
720 x 480p	31.47	59.94
	31.50	60.00
1280 x 720p	44.96	59.94
	45.00	60.00
1920 x 1080i	33.72	59.94
	33.75	60.00
1920 x 1080p	26.97	23.976
	27.00	24.00
	33.71	29.97
	33.75	30.00
	67.432	59.94
	67.50	60.00

RGB (PC), HDMI (PC) supported mode

Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
720x400	31.46	70.08
640x480	31.46	59.94
800x600	37.87	60.31
1024x768	48.36	60.00
1360x768	47.71	60.01
1280x1024	63.98	60.02
1920x1080	67.50	60.00

Except 32/37LP645H, 32/37LP620H, 32LP621H

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.
Image appears slowly when the TV turns on.	• The image is muted during the product startup process. This is normal. If the image does not appear in a few minutes, unplug the TV for 30 seconds and try again. If the image still does not appear, contact the authorized service center in your local area.
Cannot connect external devices.	• Refer to the "Connection Overview" and connect an external device.
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. Refer to the "Sleep Timer".

Audio

Problem	Solution
No sound is produced while images are displaying.	• Press **VOL +** or **-** button. • Check if the sound is muted by pressing **MUTE**. • Scroll to other channels. There may a problem with the broadcast. • Check if the TV Speaker feature is activated in the menu option.
No output from one of the speakers	• Adjust Balance in the menu option.
Unusual sound from inside the TV is produced.	• A change in ambient humidity or temperature may result in an unusual noise when the product turns on or off. There is no problem with your product.

Video

Problem	Solution
An image displays in black and white or the color quality is poor.	• Adjust the color setting in the menu option. • Keep a sufficient distance between this product and other electronic products. • Scroll to other channels. There may a problem with the broadcast.
Horizontal or vertical bars appears or images blur	• Check if there are local interferences such as an electrical appliance or power tool.
Lines or streaks appear on images	• Check the antenna or aim the antenna to the proper direction.
Afterimages (ghosts) appear when the product turns off	• Pixels may have been damaged from a fixed image displayed for a long time (image burn). Use a screen saver to prevent the pixel damage on the screen.
The power is on but the screen appears extremely dark.	• Adjust the brightness and contrast in the menu option.
"No Signal" appears on the screen.	• Check if the signal cable is connected between the TV and products properly. • Check the selected input source by pressing **INPUT**.
Black spots appear on the screen.	• Several pixels in red, green, white, or black may appear on the screen that can attribute to the characteristics of the panel. • This is normal.
The display offset is wrong.	• Adjust the position setting in the Picture menu. • Check if the video card resolution and frequency are supported by the product. If the frequency is out of range, set to the recommended resolution using the display settings on the external device.
Thin lines appear in the background of the screen.	• Check the video cable connections.
The reception on some channels is poor	• Scroll to other channels. There may a problem with the broadcast. • The station signal may be weak. Aim the antenna to the proper direction. • Check if there is local interferences such as an electrical appliance or power tool.

LG

Life's Good

The model and serial number of the TV is located on the back and one side of the TV.
Record it below should you ever need service.

MODEL ______________________________

SERIAL ______________________________

LG Customer Information Center

For inquires or comments, visit www.lg.com or call:

1-888-865-3026	USA, Commercial User
1-888-542-2623	CANADA

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energy ENERGY STAR

This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting.

Changing the factory default settings or enabling other features may increase power consumption that could exceed the limits necessary to quality for ENERGY STAR.