

OWNER'S MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

Please read this manual carefully before operating the your set and retain it for future reference.

32SM5B	32SM5KB	43SM3B
43SM5B	43SM5KB	49SM3B
49SM5B	49SM5KB	55SM3B
55SM5B	55SM5KB	
65SM5B	65SM5KB	

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LICENSES

Supported licenses may differ by model. For more information of the licenses, visit www.lg.com.



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NOTE

- The warranty will not cover any damage caused by using the product in an excessively dusty environment.

ASSEMBLY AND PREPARATION



CAUTION

- Always use genuine components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of counterfeit components.

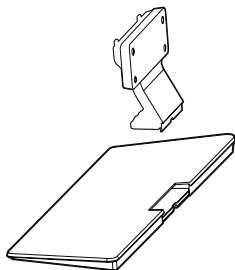


NOTE

- The accessories provided with your product may vary depending on the model or region.
- Product specifications or contents in this manual may be changed without prior notice due to upgrade of product functions.
- SuperSign Software & Manual
 - Downloading from the LG Electronics website.
 - Visit the LG Electronics website (www.lgcommercial.com/supersign) and download the latest software for your model.

Optional Accessories

Without prior notice, optional accessories are subject to change to improve the performance of the product, and new accessories may be added. The illustrations in this manual may differ from the actual product and accessories.



Stand

ST-322T	32SM5*
ST-432T	43SM5*/43SM3B
ST-492T	49SM5*/55SM5* 49SM3B/55SM3B
ST-652T	65SM5*



**Stand
Spacers**

32SM5*	-
43SM5*	2 EA
43SM3B	
49SM5*	
49SM3B	
55SM5*	
55SM3B	
65SM5*	

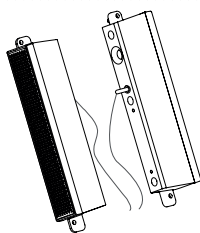


Screws

Diameter 4.0 mm x Pitch 0.7 mm

Model	Length (including spring washer)	Quantity
32SM5*	10 mm	6 EA
43SM5*	14 mm	8 EA
43SM3B		
49SM5*	14 mm	8 EA
49SM3B		
55SM5*	14 mm	8 EA
55SM3B		
65SM5*	16 mm	8 EA

Stand kit



**Speakers
SP-5000**

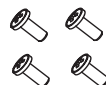


**Cable holder/
Cable Tie**



Screws

Diameter 4.0 mm x Pitch
0.7 mm x Length 8 mm
(including spring washer)

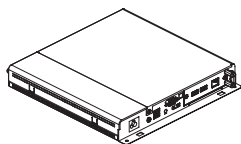


Screws

Diameter 4.0 mm x Pitch
1.6 mm x Length 10 mm

Speaker kit

(Only for **SM5B, **SM3B model)



Media Player
MP500/ MP700



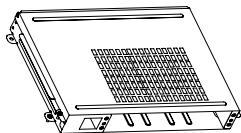
Screws



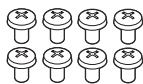
CD (Owner's Manual)/
Cards

Media Player kit

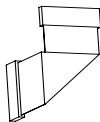
(It may not be supported depending on the model.)



KT-OPSA



Screws



Connecting
Cable

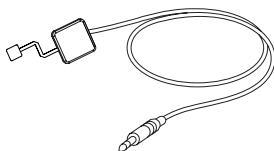


Card
(Easy Setup Guide)



Power Cord

OPS kit



KT-SP0

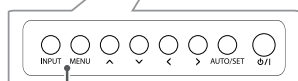
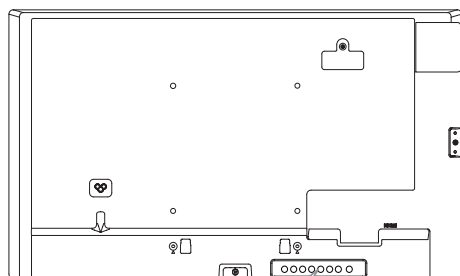
Pixel sensor kit

! NOTE

- Cable holder/cable tie may not be available in some areas or for some models.
- Optional accessories are available for some models. If necessary, please purchase them separately.
- Pixel sensor is sold separately. You can obtain additional accessories from your local retail store.
- Before you attach the OPS kit or Media Player, connect the cable to the port.

Parts and Buttons

- The image may be different according to the model.



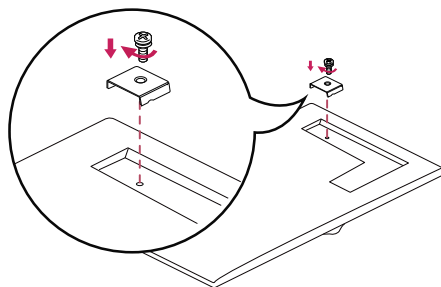
Buttons

- **INPUT:** Changes the input source.
- **MENU:** Accesses the main menus, or saves your input and exits the menus.
- **^ V:** Adjust the up and down.
- **< >:** Moves left and right.
- **AUTO/SET:** Displays the current signal and mode.
- **⏻/I:** Turns the power on or off.

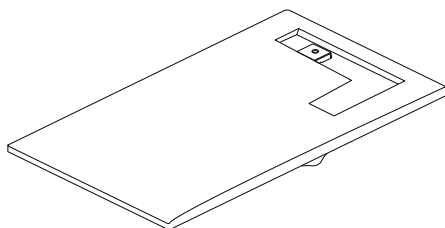
Assembling the Memory Cover

Assemble the cover with a screw as illustrated to prevent the USB memory from theft.

1



2

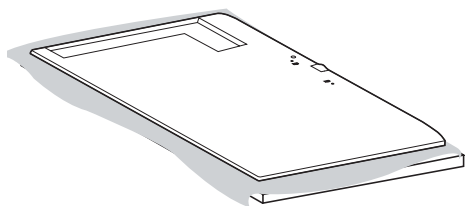


Connecting the Stand

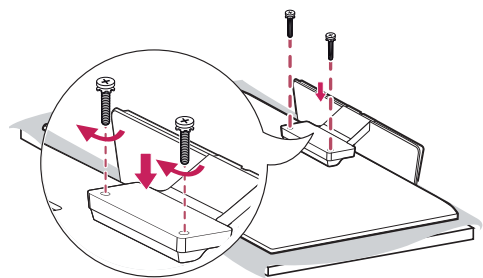
- For certain models only.
- The image may be different according to the model.

32SM5*

1



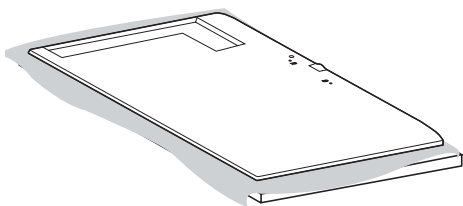
2



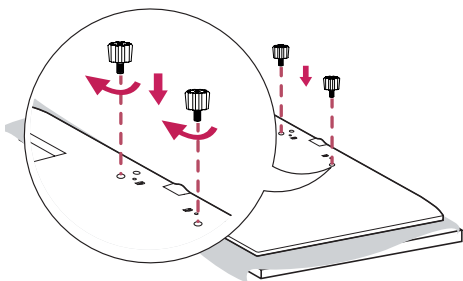
43/49/55/65SM5*

43/49/55SM3B

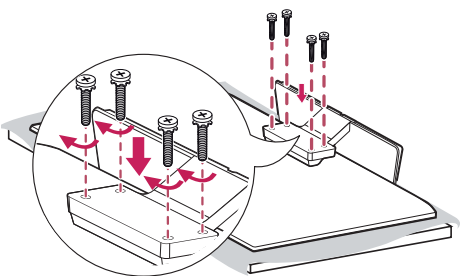
1



2



3

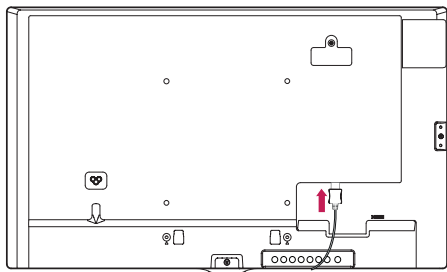


Connecting the Speakers

- For certain models only.
- The image may be different according to the model.

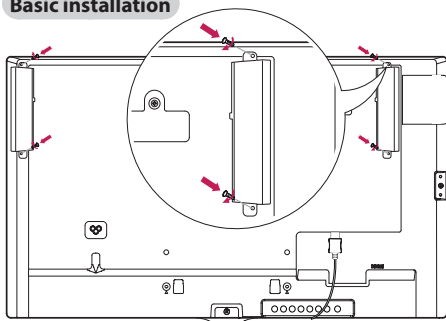
32SM5B

- 1 Connect an input signal cable before installing the speakers.

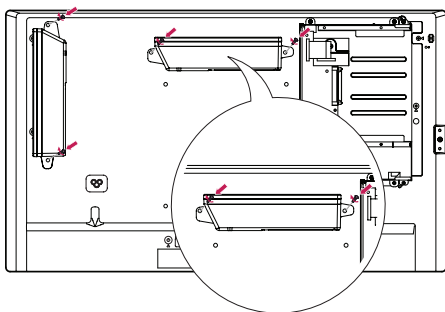


- 2 Mount the speakers by using screws as shown below. Make sure the power cable is disconnected before making a connection.

Basic installation

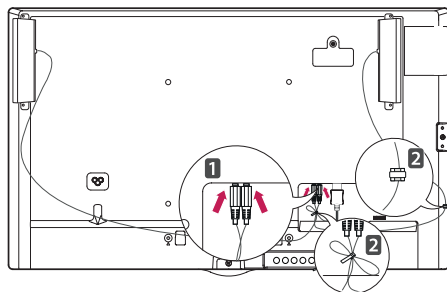


Installation with OPS connected

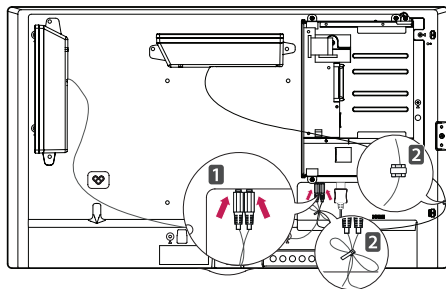


- 3 Then connect the speaker cable. After installing your speakers, use holders and cable ties to organize the speaker cables.

Basic installation



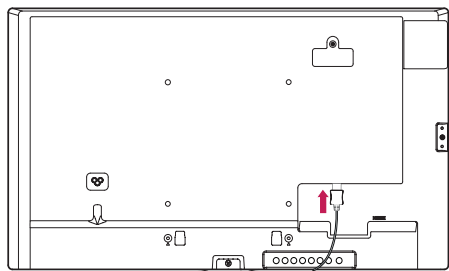
Installation with OPS connected



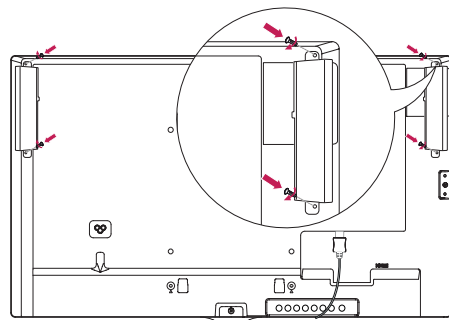
43/49/55/65SM5B

43/49/55SM3B

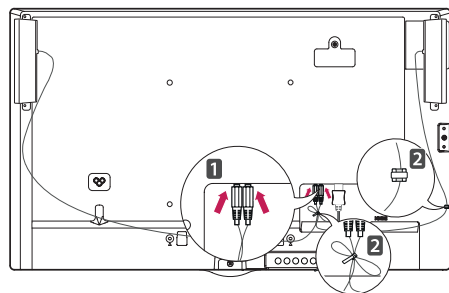
- 1 Connect an input signal cable before installing the speakers.



- 2 Mount the speakers by using screws as shown below. Make sure the power cable is disconnected before making a connection.



- 3 Then connect the speaker cable. After installing your speakers, use holders and cable ties to organize the speaker cables.



! NOTE

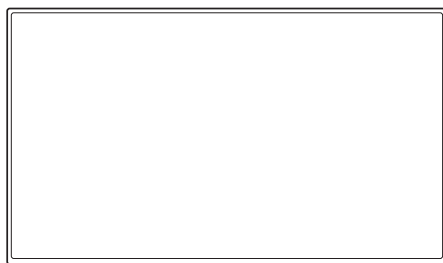
- Please turn off the power before removing the cable. Connecting or removing the speaker cable while turned on may result in no sound.

Connecting the IR Sensor

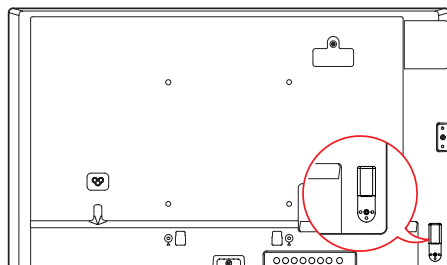
When you connect the cable to the product, the feature for receiving remote control signals is activated. Rotate the IR sensor according to the screen orientation (Landscape/Portrait).

- The image may be different according to the model.

Basic installation

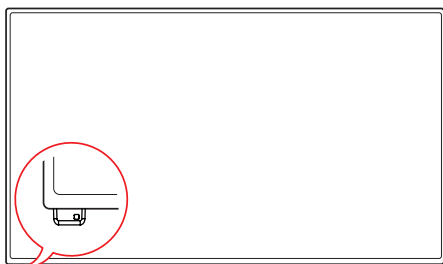


<Front>

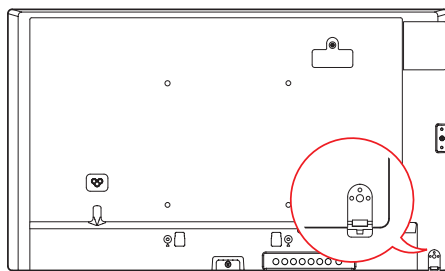


<Rear>

Landscape scene

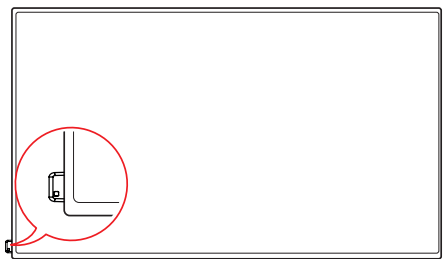


<Front>

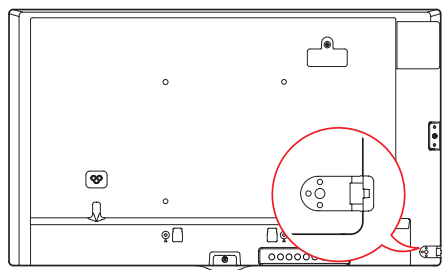


<Rear>

Portrait scene



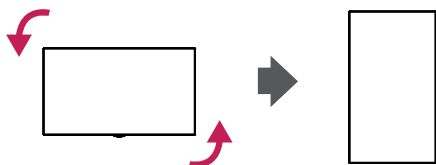
<Front>



<Rear>

Portrait Layout

When installing in a portrait layout, rotate the monitor counterclockwise 90 degrees (when facing the screen).

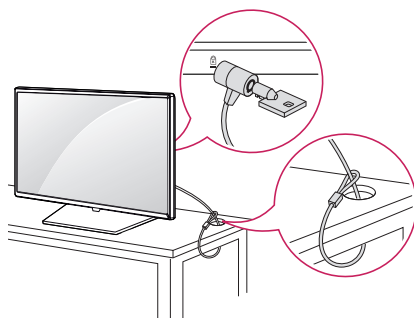


Using Kensington Lock

(This is not available for all models.)

The Kensington security system connector is located at the back of the monitor. For more information on installation and use of this system, refer to the manual provided with the Kensington security system or visit <http://www.kensington.com>.

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



! NOTE

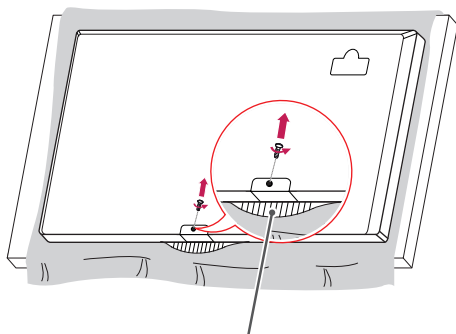
- The Kensington security system is optional. You can obtain additional accessories from most electronics retail stores.

Attaching and removing the LG Logo Bracket

- For certain models only.
- The image may be different according to the model.

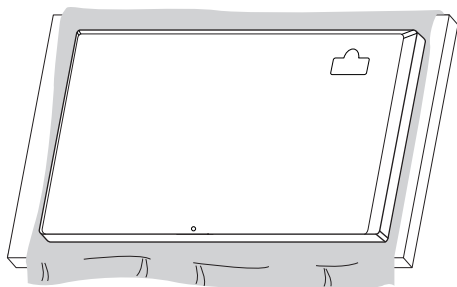
Removing the LG Logo

- 1 Lay a clean cloth on the floor, and then put the monitor on it with the screen face down. Using a screwdriver, remove the screw that secures the LG Logo Bracket to the bottom rear of the monitor.



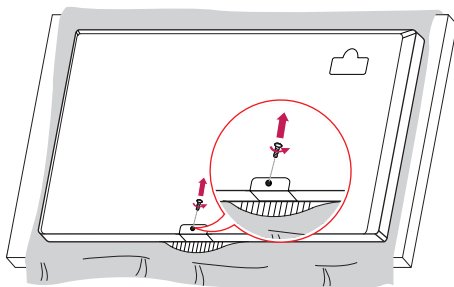
LG Logo Bracket

- 2 After removing the screw, remove the LG Logo. When re-attaching the LG Logo, repeat the process in reverse order.

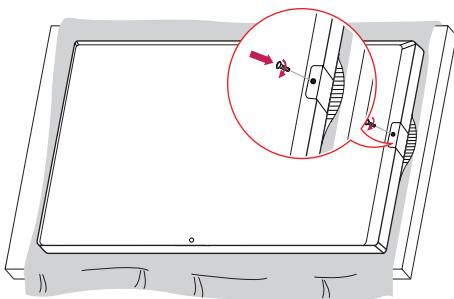


Attaching the LG Logo on the right side

- 1 Lay a clean cloth on the floor, and then put the monitor on it with the screen face down. Using a screwdriver, remove the screw that secures the LG Logo Bracket to the bottom rear of the monitor.

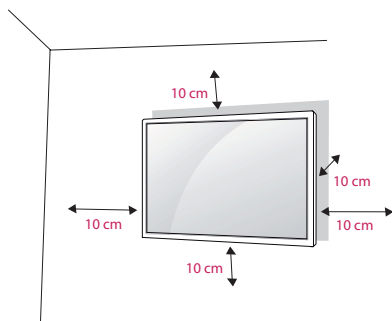


- 2 After removing the screw, remove the LG Logo. Attach the LG Logo Bracket with a screw, aligning it with the hole on the right side.



Installing on a Wall

For proper ventilation, allow a clearance of 10 cm on each side and from the wall. Detailed installation instructions are available from your dealer, see the optional Tilt Wall Mounting Bracket Installation and Setup Guide.



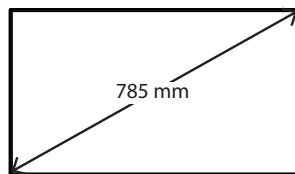
To install your monitor on a wall, attach a wall mounting bracket (optional part) to the back of the monitor.

Make sure that the wall mounting bracket is securely fixed to the monitor and to the wall.

- 1 Use only screws and wall mounting brackets that conform to VESA standards.
- 2 Screws which are longer than standard length may damage the inside of the monitor.
- 3 A non-VESA standard screw may damage the product and cause the monitor to fall. LG Electronics is not liable for any accidents related to the use of non-standard screws.
- 4 Please use VESA standard as below.

- 785 mm and above

* Fixing screws: Diameter 6.0 mm x Pitch 1.0 mm x Length 12 mm



CAUTION

- Disconnect the power cord before moving or installing the monitor to avoid risk of electric shock.
- If you install the monitor on a ceiling or slanted wall, it may fall and result in injury. Use an authorized LG wall mount and contact your local dealer or qualified personnel to assist with the installation.
- Do not over tighten the screws as this may damage the monitor and void your warranty.
- Use only screws and wall mounting brackets that meet the VESA standard. Any damage or injuries caused by misuse or use of improper accessories are not covered by the warranty.
- To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions. (This pertains only to Australia and New Zealand.)

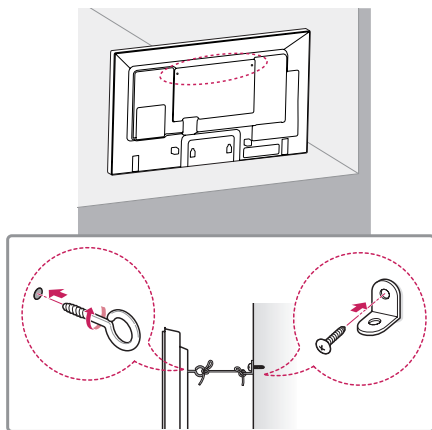


NOTE

- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain additional accessories from your local dealer.
- The length of screws required may differ depending on the wall mount. Be sure to use the correct length.
- For more information, please refer to the guide provided with the wall mount.

Securing the monitor to a wall (optional)

(Procedure may differ depending on the model.)



- 1 Insert and tighten the eyebolts, or brackets and bolts on the back of the monitor.
- If there are already bolts inserted in the eyebolts' position, remove the other bolts first.
- 2 Mount the wall brackets with the bolts to the wall. Match the location of the wall bracket and the eyebolts on the rear of the monitor.
- 3 Connect the eyebolts and wall brackets tightly with a sturdy cord.
Make sure the securing cord is horizontal with the flat surface.

! WARNING

- If the monitor is not positioned in a sufficiently stable location, there is a danger that it will fall. Many injuries, particularly to children, can be avoided by taking simple precautions such as:
 - » Using cabinets or stands recommended by the manufacturer.
 - » Only using furniture that can safely support the monitor.
 - » Ensuring the monitor is not overhanging the edge of the supporting furniture.
 - » Not placing the monitor on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the monitor to a suitable support.
 - » Not placing cloth or other materials between the monitor and supporting furniture.
 - » Educating children about the dangers of climbing on furniture to reach the monitor or its controls.

! CAUTION

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

! NOTE

- Use a platform or cabinet that is large and strong enough to support the monitor securely.
- Brackets, bolts, and cords are sold separately. You can obtain additional accessories from your local retail store.
- The illustration shows a general example of installation and may look different from the actual product.

REMOTE CONTROL

The descriptions in this manual are based on the buttons on the remote control. Please read this manual carefully to use the monitor correctly.

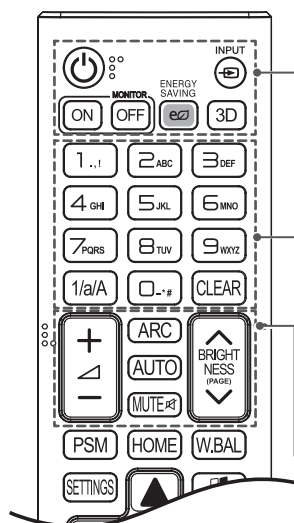
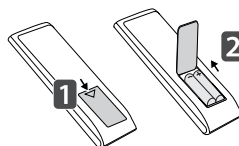
To install batteries, open the battery cover, place batteries (1.5 V AAA) matching $\oplus$ and $\ominus$ terminals to the labels inside the compartment, and close the battery cover.

To remove the batteries, perform the installation actions in reverse. The illustrations may differ from the actual accessories.



CAUTION

- Do not mix old and new batteries, as this may damage the remote control.
- Be sure to point the remote control toward the remote control sensor on the monitor.



⏻ (POWER) Turns the monitor on or off.

MONITOR ON Turns the monitor on.

MONITOR OFF Turns the monitor off.

ENERGY SAVING(e) Adjusts the brightness of the picture to reduce energy consumption.

INPUT Selects the input mode.

3D Used for viewing 3D videos. (This model does not support this.)

1/a/A Toggles between numerical and alphabetical.

(Depending upon the model, this feature may not be supported.)

Number and Alphabet buttons

Enters numerical or alphabetical characters depending upon the setting. (Depending upon the model, this feature may not be supported.)

CLEAR Deletes the entered numerical or alphabetical character.

(Depending upon the model, this feature may not be supported.)

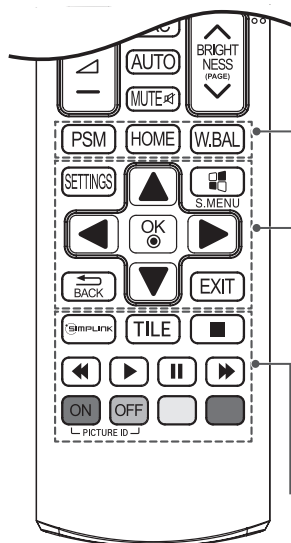
Volume Up/Down Button Adjusts the volume.

ARC Selects the Aspect Ratio mode.

AUTO Automatically adjusts picture position and minimizes image instability (available for RGB input only). (Depending upon the model, this feature may not be supported.)

MUTE Mutes all sounds.

BRIGHTNESS Adjusts the brightness of the display. PAGE Function is not supported in the this model. (Depending upon the model, this feature may not be supported.)



PSM Selects the Picture Mode.

HOME Activates the Launcher.

W.BAL Enters the White Balance menu.

SETTINGS Accesses the main menus or saves your input and exit menus.

S.MENU SuperSign menu key (Depending upon the model, this feature may not be supported.)

Navigation Buttons Scrolls through menus or options.

OK Selects menus or options and confirms your input.

BACK Allows you to move back one step in the user interaction function.

EXIT Quit all OSD tasks and applications.

SIMPLINK Allows you to control various multimedia devices to enjoy multimedia simply by using the remote control through the SimpLink menu. (Depending upon the model, this feature may not be supported.)

TILE Selects the TILE Mode.

PICTURE ID ON/OFF When the Picture ID number matches the Set ID number, you can control whichever monitor you want in multi-display format.

USB Menu Control Buttons Controls media playback.

MAKING CONNECTIONS

You can connect various external devices to your monitor. Change the input mode and select the external device you want to connect. For more information about external device connections, see the user manual provided with each device.

Connecting to a PC

Some of the cables are not provided.

This monitor supports the Plug & Play* feature.

* Plug & Play: a feature that enables a PC to recognize devices attached by the user without device configuration or user intervention when powering up.

External Device Connection

Connect a HD receiver, DVD, or VCR player to the monitor and select an appropriate input mode.

Some of the cables are not provided. For the best picture and sound quality, connecting external devices to your monitor using HDMI cables is recommended.



NOTE

- For the best image quality, using the monitor with HDMI connection is recommended.
- To comply with the specifications of the product, use a shielded interface cable with ferrite core, such as a D-sub 15-pin cable and DVI-D/HDMI cable.
- If you turn the monitor on when the set is cold, the screen may flicker. This is normal.
- Sometimes red, green, or blue spots may appear on the screen. This is normal.
- Use a High Speed HDMI®/TM cable.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI Cable Types
 - High-Speed HDMI®/TM Cable
 - High-Speed HDMI®/TM Cable with Ethernet
- If you cannot hear any sound in HDMI mode please check your PC settings. Some PCs require you to manually change the default audio output to HDMI.
- If you want to use HDMI-PC mode, you must set your PC/DTV to PC mode.
- You may experience compatibility issues if you use HDMI-PC mode.
- Make sure the power cable is disconnected.
- If you connect a gaming device to the monitor, use the cable provided with the gaming device.
- It is recommended to use the speakers that are provided as optional accessories.
- High Speed HDMI®/TM cables transmit a HD signal up to 1080p and higher.



CAUTION

- Connect the signal input cable and tighten it by turning the screws clockwise.
- Do not press the screen with your finger for a prolonged period as this may result in temporary distortion on the screen.
- Avoid displaying static images on the screen for a long period of time to prevent image burn. Use a screensaver if possible.
- A wireless communication device near your monitor can affect the image.

Using the Input List

HOME → 

- RGB -> HDMI -> DVI-D -> DISPLAYPORT -> OPS

TROUBLESHOOTING

No image is displayed

Problem	Action
Is the product power cord connected?	Check if the power cord is correctly plugged into the power outlet.
Does the Out of range message appear?	The signal from the PC (video card) is out of the vertical or horizontal frequency range of the product. Adjust the frequency range by referring to the Specifications in this manual. * Maximum resolution: 1920 x 1080 (60 Hz)
Does the Check signal cable message appear?	- The signal cable between PC and product is not connected. Check the signal cable. - Press the INPUT menu in the remote Control to check the input signal.

The Unknown Product message appears when the product is connected.

Problem	Action
Did you install the driver?	Check if the Plug & Play function is supported by referring to the video card user manual.

The screen image looks abnormal.

Problem	Action
Is the screen position wrong?	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 in the Control Panel Display Setting menu.
The screen is displayed abnormally.	The proper input signal is not connected to the signal port. Connect the signal cable that matches with the source input signal.

After-image appears on the product.

Problem	Action
After-image appears when the product is turned off.	- If you use a fixed image for a long time, the pixels may be damaged. Use the screen-saver function. - When a dark image is displayed on the screen after an image with high contrast (black and white or gray), this may cause image sticking. This is normal for LCD screen products.

The audio function does not work.

Problem	Action
No sound?	• See if the audio cable is connected properly. • Adjust the volume. • See if the sound is set properly.
Sound is too dull.	• Select the appropriate equalizer sound.
Sound is too low.	• Adjust the volume.

Screen color is abnormal.

Problem	Action
Screen has poor color resolution (16 colors).	• Set the number of colors to more than 24 bits (true color). Select Control Panel - Display - Settings - Color Table menu in Windows.
Screen color is unstable or mono-colored.	• Check the connection status of the signal cable. Or, re-insert the PC video card.
Do black spots appear on the screen?	• Several pixels (red, green, white, or black color) may appear on the screen, which can be attributable to the unique characteristics of the LCD panel. This is not a malfunction of the LCD.

The operation does not work normally.

Problem	Action
The power suddenly turned off.	• Is the Timer set? • Check the power control settings. Power interrupted.



CAUTION

- Image sticking does not occur when using constantly changing images but may occur when using a fixed image for an extended period of time. Therefore, it is recommended that you use the instructions below to decrease the likelihood of image sticking occurring when using a fixed image. It is recommended that you change the screen at least once every **12 hours** at the very minimum; if done more frequently, the prevention of image sticking is more effective.

Recommended operating conditions

- 1 Change the background and the character colors using the same time interval.

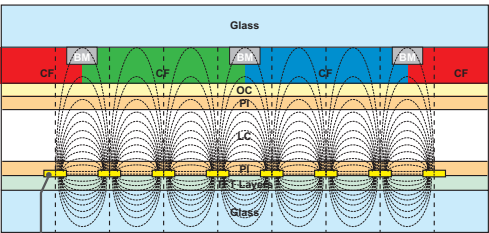


When changing colors, using complementary colors helps to prevent image sticking.

- 2 Change the image using the same time interval.



Make sure that the characters or images before changing the image remain in the same location after changing the image.



ITO or MoTi Pixel Layer

What is image sticking?

When the LCD panel displays a static image for an extended period of time, it can cause a voltage difference between the electrodes that operate the liquid crystals. When the voltage difference between the electrodes builds up over time, liquid crystals have a tendency to remain aligned in one direction. During this process, a previously displayed image remains visible. This phenomenon is referred to as image sticking.

PRODUCT SPECIFICATIONS

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

LCD screen	Screen type	Thin Film Transistor (TFT) Liquid Crystal Display (LCD) Screen	
Video signal	Maximum resolution	1920 x 1080 @ 60 Hz - This may not be supported on some OS or graphic card types.	
	Recommended resolution	1920 x 1080 @ 60 Hz - This may not be supported on some OS or graphic card types.	
	Horizontal frequency	RGB : 30 kHz to 83 kHz HDMI/ DVI-D/ DisplayPort : 30 kHz to 83 kHz	
	Vertical frequency	RGB : 56 Hz to 75 Hz HDMI/ DVI-D/ DisplayPort : 56 Hz to 60 Hz	
	Synchronization	Separate Sync, Digital	
Input/output ports		**SM5B/**SM3B	SD, USB, LAN, RGB IN, DP In/Out, DVI-D IN, OPS, Speaker OUT, IR & Light sensor, Pixel Sensor, HDMI, RS-232C In/Out, Audio In/Out
		**SM5KB	SD, USB, LAN, RGB IN, DP In/Out, DVI-D IN, OPS, IR & Light sensor, Pixel Sensor, HDMI, RS-232C In/Out, Audio In/Out
Embedded battery		Applied	
Environmental Conditions	Operating Temperature	0 °C to 40 °C	
	Operating Humidity	10 % to 80 %	
	Storage Temperature	-20 °C to 60 °C	
	Storage Humidity	5 % to 95 %	

*** Applicable only for models that support the speakers**

Audio/AUDIO	RMS Audio Output	10 W + 10 W (R + L)
	Input Sensitivity	0.7 Vrms
	Speaker Impedance	6 Ω

~ refers to alternating current (AC), and  refers to direct current (DC).

32SM5B

LCD screen	Pixel pitch	0.36375 mm (H) x 0.36375 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.4 A
	Power consumption	On Mode: 60 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	729.4 mm x 428.9 mm x 55.5 mm / 5.2 kg
	Head + Stand	729.4 mm x 481 mm x 154.2 mm / 6 kg
	Head + Speaker	729.4 mm x 428.9 mm x 95.7 mm / 5.7 kg
	Head + Speaker + Stand	729.4 mm x 481 mm x 154.2 mm / 6.5 kg

32SM5KB

LCD screen	Pixel pitch	0.36375 mm (H) x 0.36375 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.4 A
	Power consumption	On Mode: 60 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	729.4 mm x 428.9 mm x 55.5 mm / 5.4 kg
	Head + Stand	729.4 mm x 481 mm x 154.2 mm / 6.2 kg

43SM5B

LCD screen	Pixel pitch	0.4902 mm (H) X 0.4902 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 0.9 A
	Power consumption	On Mode: 75 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	969.6 mm x 563.9 mm x 38.6 mm / 9.8 kg
	Head + Stand	969.6 mm x 622.2 mm x 193 mm / 12.3 kg
	Head + Speaker	969.6 mm x 563.9 mm x 67.9 mm / 10.3 kg
	Head + Speaker + Stand	969.6 mm x 622.2 mm x 193 mm / 12.8 kg

43SM5KB

LCD screen	Pixel pitch	0.4902 mm (H) X 0.4902 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 0.9 A
	Power consumption	On Mode: 75 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	969.6 mm x 563.9 mm x 54.0 mm / 10 kg
	Head + Stand	969.6 mm x 622.2 mm x 193 mm / 12.5 kg

43SM3B

LCD screen	Pixel pitch	0.4902 mm (H) X 0.4902 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 0.9 A
	Power consumption	On Mode: 60 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	969.6 mm x 563.9 mm x 38.6 mm / 9.8 kg
	Head + Stand	969.6 mm x 622.2 mm x 193 mm / 12.3 kg
	Head + Speaker	969.6 mm x 563.9 mm x 67.9 mm / 10.3 kg
	Head + Speaker + Stand	969.6 mm x 622.2 mm x 193 mm / 12.8 kg

49SM5B

LCD screen	Pixel pitch	0.55926 mm (H) X 0.55926 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.0 A
	Power consumption	On Mode: 85 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1102.2 mm x 638.5 mm x 38.6 mm / 14.1 kg
	Head + Stand	1102.2 mm x 696.8 mm x 219.6 mm / 17.4 kg
	Head + Speaker	1102.2 mm x 638.5 mm x 67.9 mm / 14.6 kg
	Head + Speaker + Stand	1102.2 mm x 696.8 mm x 219.6 mm / 17.9 kg

49SM5KB

LCD screen	Pixel pitch	0.55926 mm (H) X 0.55926 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.0 A
	Power consumption	On Mode: 85 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1102.2 mm x 638.5 mm x 54.0 mm / 14.3 kg
	Head + Stand	1102.2 mm x 696.8 mm x 219.6 mm / 17.6 kg

49SM3B

LCD screen	Pixel pitch	0.55926 mm (H) X 0.55926 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.0 A
	Power consumption	On Mode: 70 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1102.2 mm x 638.5 mm x 38.6 mm / 14.1 kg
	Head + Stand	1102.2 mm x 696.8 mm x 219.6 mm / 17.4 kg
	Head + Speaker	1102.2 mm x 638.5 mm x 67.9 mm / 14.6 kg
	Head + Speaker + Stand	1102.2 mm x 696.8 mm x 219.6 mm / 17.9 kg

55SM5B

LCD screen	Pixel pitch	0.630 mm (H) x 0.630 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.1 A
	Power consumption	On Mode: 100 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1238 mm x 714.9 mm x 38.6 mm / 17.3 kg
	Head + Stand	1238 mm x 773.4 mm x 219.6 mm / 20.6 kg
	Head + Speaker	1238 mm x 714.9 mm x 67.9 mm / 17.8 kg
	Head + Speaker + Stand	1238 mm x 773.4 mm x 219.6 mm / 21.1 kg

55SM5KB

LCD screen	Pixel pitch	0.630 mm (H) x 0.630 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.1 A
	Power consumption	On Mode: 100 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1238 mm x 714.9 mm x 54.0 mm / 17.5 kg
	Head + Stand	1238 mm x 773.4 mm x 219.6 mm / 20.8 kg

55SM3B

LCD screen	Pixel pitch	0.630 mm (H) x 0.630 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.1 A
	Power consumption	On Mode: 85 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1238 mm x 714.9 mm x 38.6 mm / 17.3 kg
	Head + Stand	1238 mm x 773.4 mm x 219.6 mm / 20.6 kg
	Head + Speaker	1238 mm x 714.9 mm x 67.9 mm / 17.8 kg
	Head + Speaker + Stand	1238 mm x 773.4 mm x 219.6 mm / 21.1 kg

65SM5B

LCD screen	Pixel pitch	0.744 mm (H) x 0.744 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.4 A
	Power consumption	On Mode: 120 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1456.9 mm x 838 mm x 41.1 mm / 27.7 kg
	Head + Stand	1456.9 mm x 898.1 mm x 293.7 mm / 32.9 kg
	Head + Speaker	1456.9 mm x 838 mm x 70.4 mm / 28.2 kg
	Head + Speaker + Stand	1456.9 mm x 898.1 mm x 293.7 mm / 33.4 kg

65SM5KB

LCD screen	Pixel pitch	0.744 mm (H) x 0.744 mm (V)
Power	Rated power	AC 100-240 V~ 50/60 Hz 1.4 A
	Power consumption	On Mode: 120 W Typ. Sleep Mode (RGB, DVI-D, HDMI): ≤ 1.0 W Sleep Mode(DISPLAYPORT): ≤ 0.5 W Off Mode: ≤ 0.5 W
Dimensions (Width x Height x Depth) / Weight	Head	1456.9 mm x 838 mm x 56.5 mm / 27.9 kg
	Head + Stand	1456.9 mm x 898.1 mm x 293.7 mm / 33.1 kg

Wireless module(LGSBW41)Specifications			
Wireless LAN		Bluetooth	
Standard	IEEE 802.11a/b/g/n	Standard	Bluetooth Version 4.0
Frequency range	2400 to 2483.5MHz 5150 to 5250 MHz 5725 to 5850 MHz(for Non EU)	Frequency range	2400 to 2483.5MHz
*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. *This device should be installed and operated with minimum distance 20 cm between the device and your body. And this phrase is for the general statement for consideration of user environment. CE 0197 			

RGB (PC) Support Mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
720 x 400	31.468	70.8
640 x 480	31.469	59.94
800 x 600	37.879	60.317
1024 x 768	48.363	60.0
1280 x 720	44.772	59.855
1280 x 960	60	60
1280 x 1024	63.981	60.02
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60

HDMI / DISPLAYPORT / OPS (DTV) Support Mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
480/60p	31.5	60
576/50p	31.25	50
720/50p	37.5	50
720/60p	45	60
1080/50i	28.1	50
1080/60i	33.75	60
1080/50p	56.25	50
1080/60p	67.5	60

HDMI / DVI-D / DISPLAYPORT / OPS (PC) Support Mode

Resolution	Horizontal frequency (kHz)	Vertical frequency (Hz)
640 x 480	31.469	59.94
800 x 600	37.879	60.317
1024 x 768	48.363	60
1280 x 720	44.772	59.855
1366 x 768	47.7	60
1280 x 1024	63.981	60.02
1680 x 1050	65.29	59.954
1920 x 1080	67.5	60

! NOTE

- PC resolutions available for the Input Label option in RGB / HDMI / DVI-D / DISPLAYPORT input modes: 640 x 480/60 Hz, 1280 x 720/60 Hz, 1920 x 1080/60 Hz; 480p, 720p, and 1080p DTV resolutions.
- Vertical frequency: The product display functions by the screen image changing dozens of times every second like a fluorescent lamp. The vertical frequency or refresh rate is the number of image displays per second. The unit is Hz.
- Horizontal frequency: The horizontal interval is the time taken to display one horizontal line. When 1 is divided by the horizontal interval, the number of horizontal lines displayed every second can be tabulated as the horizontal frequency. The unit is kHz.



ENERGY STAR® is a set of power-saving guidelines issued by the U.S.Environmental Protection Agency (EPA).



As an ENERGY STAR® Partner LGE U. S. A., Inc. has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Refer to ENERGY STAR.gov for more information on the ENERGY STAR® program.

Make sure to read the Safety Precautions before using the product.
The model and serial numbers of the SET are located on the back and one side of the SET.
Record it below should you ever need service.

MODEL _____

SERIAL _____



NOTE

- 65SM5B and 65SM5KB are not certified with EPA's ENERGY STAR.

WARNING -This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Temporary noise is normal when powering ON or OFF this device.