



# Owner's Manual

# IPS LED MONITOR

# (LED MONITOR\*)

\*LG LED Monitors are LCD Monitors with LED Backlighting.

Please read the safety information carefully before using the product.

IPS LED Monitor (LED Monitor) Model List

34UM61

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# LICENSE

Each model has different licenses. Visit [www.lg.com](http://www.lg.com) for more information on the license.



The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

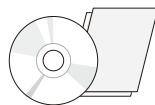
The following content is only applied to the monitor which is sold in Europe market and which needs to meet the ErP Directive:

- \* This monitor is set to be turned off automatically in 4 hours after you turned on display if there is no adjustment to display.
- \* To make this setting be disabled, change the option to 'Off' in OSD menu of "Automatic Standby".

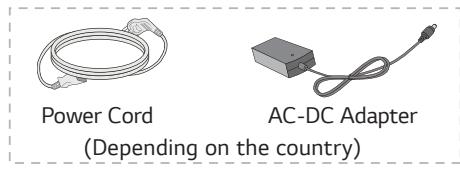
# ASSEMBLING AND PREPARING

## Product Components

Please check whether all the components are included in the box before using the product. If there are missing components, contact the retail store where you purchased the product. Note that the product and components may look different from those shown here.



CD(Owner's Manual) /  
Card



or



AC-DC Adapter  
(Depending on the country)

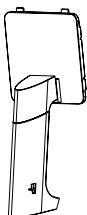


HDMI Cable  
(This cable is not included in  
all countries.)

or



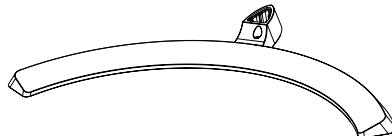
HDMI-DVI Cable  
(This cable is not included in  
all countries.)



Stand Body



Cable Holder



Stand Base



### **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.
- It is recommend that use the supplied components.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.



### **NOTE**

- Note that the components may look different from those shown here.
- Without prior notice, all information and specifications in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or online shopping site or contact the retail store where you purchased the product.

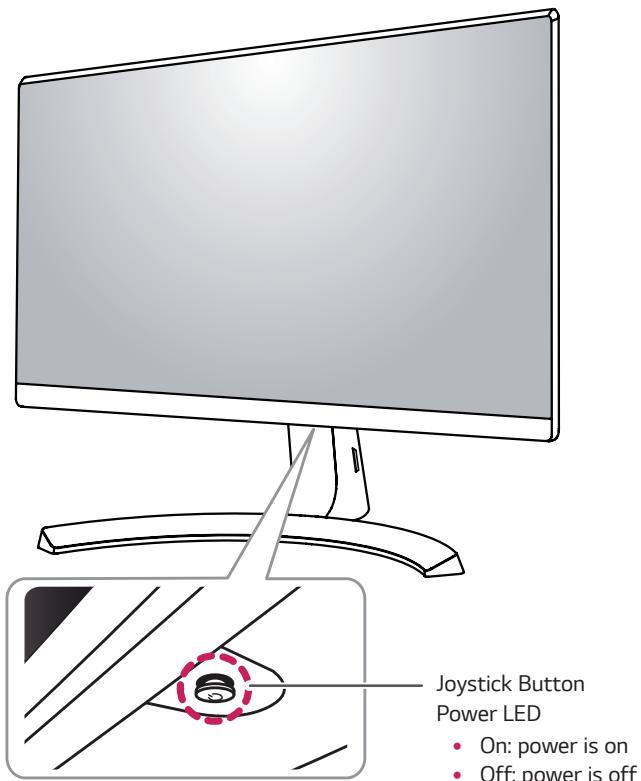
## **Supported Drivers and Software**

Check the drivers and software supported by your product and refer to the manuals on the CD enclosed in the product package.

Drivers and Software	Installation Priority	34UM61
Monitor Driver	Recommended	O
OnScreen Control	Recommended	O
Dual Controller	Optional	O

- Required and Recommended: You can download and install the latest version from the enclosed CD or from the LGE website ([www.lg.com](http://www.lg.com)).
- Optional: You can download and install the latest version from the LGE website ([www.lg.com](http://www.lg.com)).

## Component and Button Description



## How to Use the Joystick Button

You can easily control the functions of the monitor by pressing the joystick button or moving it left/right with your finger.

### Basic Functions

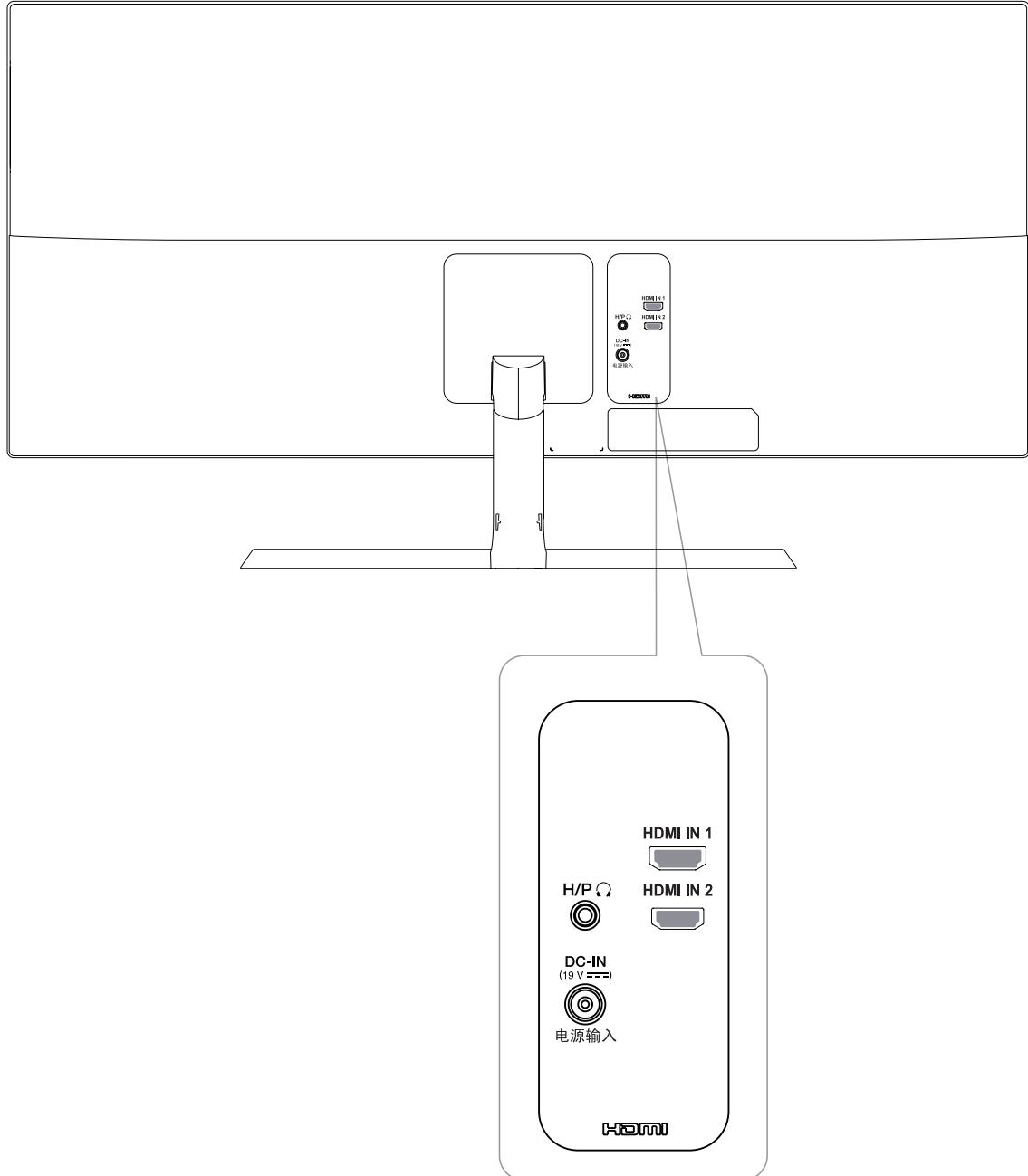
		<b>Power on</b>	Press the joystick button once with your finger to turn on the monitor.
		<b>Power off</b>	Press and hold the joystick button once with your finger to turn off the monitor.
		<b>Volume Control</b>	You can control the volume by moving the joystick button left/right.



### NOTE

- The joystick button is located at the bottom of the monitor.

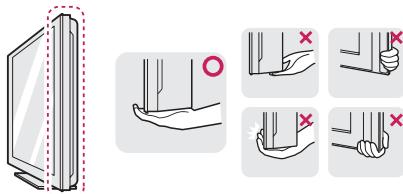
## Input Connector



## Moving and Lifting the Monitor

When moving or lifting the monitor, follow these instructions to prevent the monitor from being scratched or damaged and to ensure safe transportation regardless of its shape or size.

- It is advisable to place the monitor in the original box or packing material before attempting to move it.
- Before moving or lifting the monitor, disconnect the power cord and all cables.
- Hold the top and bottom of the monitor frame firmly. Do not hold the panel itself.



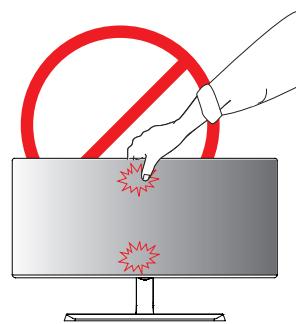
- When holding the monitor, the screen should face away from you to prevent it being scratched.



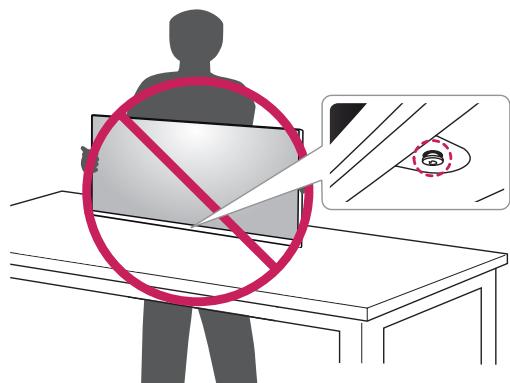
- When moving the monitor, avoid any strong shock or vibrations to the product.
- When moving the monitor, keep it upright, never turn the monitor on its side or tilt it sideways.

### CAUTION

- As far as possible, avoid touching the monitor screen. This may result in damage to the screen or some of the pixels used to create images.



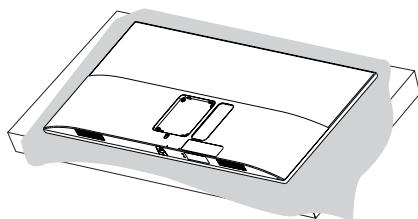
- If you use the monitor panel without the stand base, its joystick button may cause the monitor to become unstable and fall, resulting in damage to the monitor or human injury. In addition, this may cause the joystick button to malfunction.



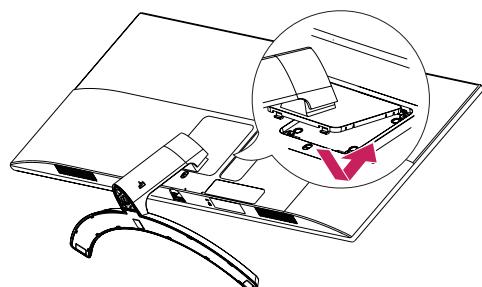
## Installing the Monitor

### Assembling the stand base

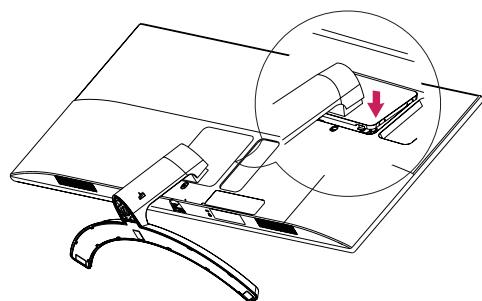
1



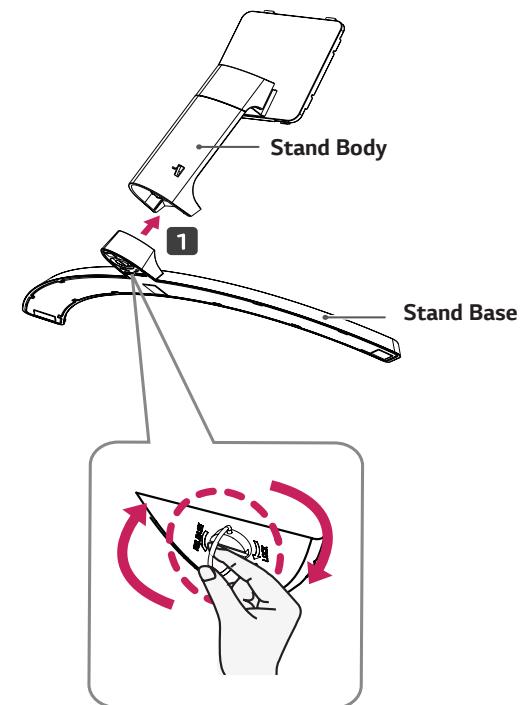
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4

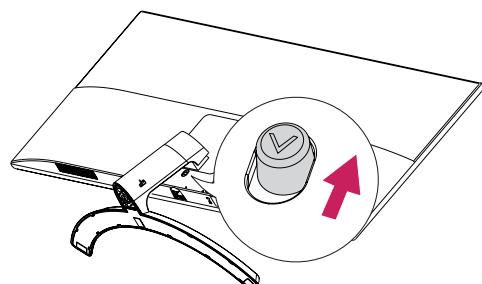


2



### NOTE

- Press the stand until the button reaches the top.





## CAUTION

- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Applying excessive force when tightening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Do not carry the monitor upside down by just holding the base. This may cause the monitor to fall off the stand and could result in personal injury.
- When lifting or moving the monitor, do not touch the monitor screen. The force applied to the monitor screen may cause damage to it.

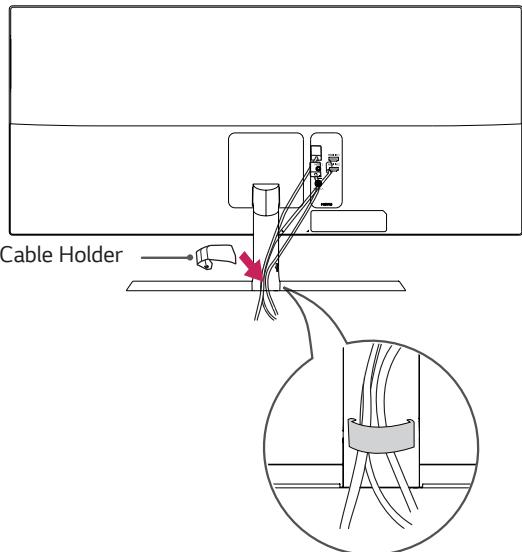


## NOTE

- You can disassemble the stand in the reverse order of the assembly.

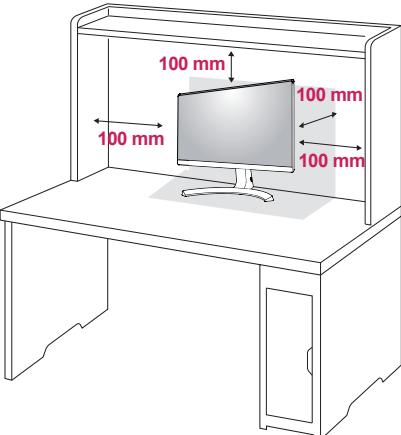
## Using the cable holder

Arrange the cables using the cable holder as shown in the illustration.

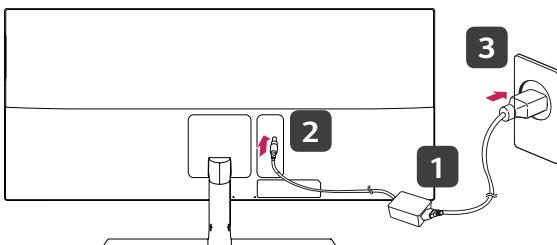


## Installing onto a table

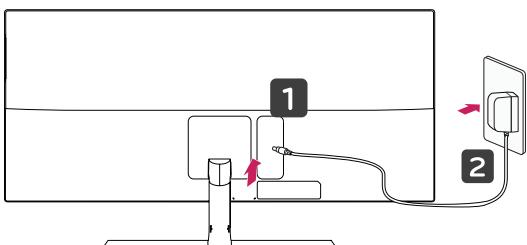
- Lift the monitor and place it on the table in an upright position.



- Connect the power adapter to the monitor and then plug the power cord into the wall outlet.



or



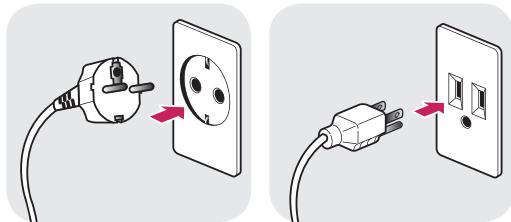
- Press the joystick button on the bottom of the monitor to turn on the monitor.



### CAUTION

- Unplug the power cord prior to moving or installing the monitor. There is risk of electric shock.

## Cautions When Connecting Power Cord

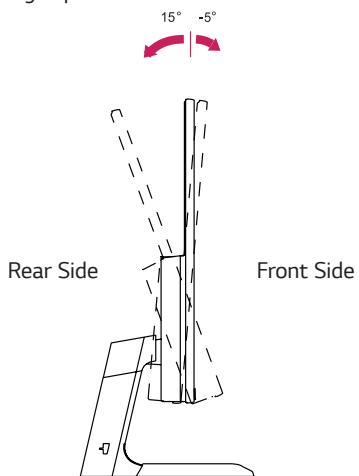


100-240 V ~

- Make sure to use the power cord that is provided in the product package and connect it to a grounded power outlet.
- If you need another power cord, please contact your local dealer or the nearest retail store.

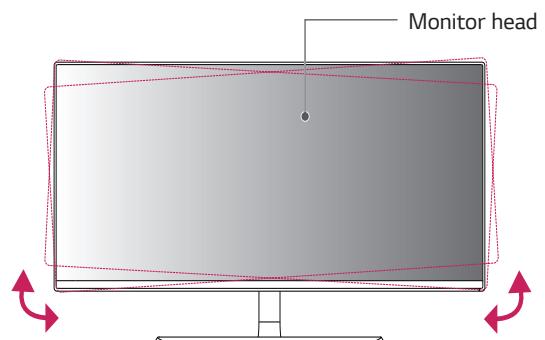
## Adjusting the angle

- 1 Place the monitor in an upright position, mounted on the stand base.
- 2 Adjust the angle of the screen. The angle of the screen can be adjusted forwards or backwards for a comfortable viewing experience.



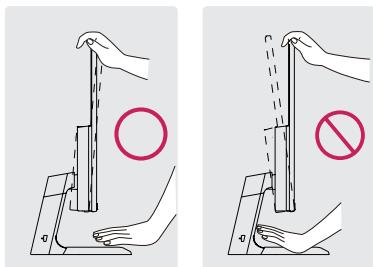
### ! NOTE

- The left or right side of the monitor head can be slightly rotated up or down (up to 3°). Adjust the horizontal level of the monitor head.

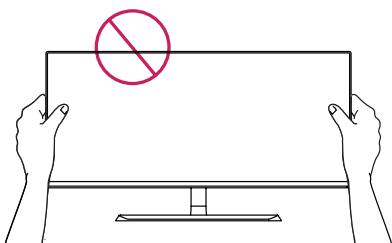


### WARNING

- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.



- Be careful not to touch or press the screen area when adjusting the angle of the monitor.

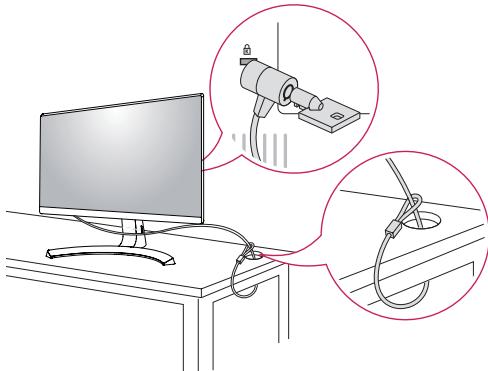


## Using the Kensington lock

The Kensington security system connector is located at the back of the Monitor set.

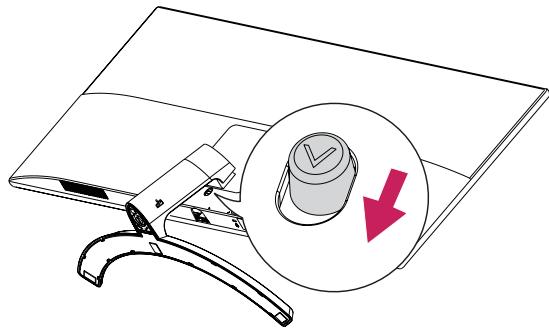
For more information on installation and usage, refer to the Kensington lock user manual or visit the website at <http://www.kensington.com>.

Connect the Kensington security system cable between the Monitor set and a table.



## Detaching the Stand Body

- 1 Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.
- 2 Remove the stand from the monitor by pressing the button on the bottom center of the back of the monitor.



### **!** NOTE

- Use of the Kensington lock is optional. The accessories can be purchased at your local electronics store.

## Installing the wall mount plate

This monitor supports the specification of the standard wall mount plate or compatible device.

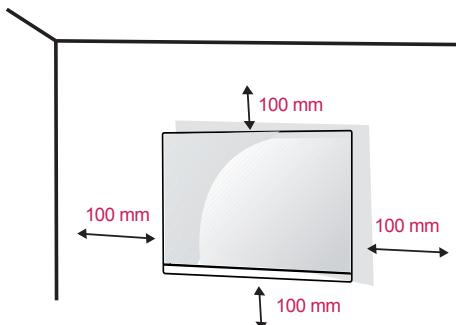
- 1 Place the screen face down. To protect the screen from scratches, cover the surface with a soft cloth.
- 2 Place the wall mount plate onto the monitor and align it with the screw holes.
- 3 Tighten the four screws to fix the plate to the monitor using a screwdriver.

### **!** NOTE

- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to use excessive force when mounting the wall mount plate, as this can damage the monitor's screen.

## Installing to a wall

Install the monitor at least 100 mm away from the wall and leave about 100 mm of space at each side of the monitor to ensure sufficient ventilation. Detailed installation instructions can be obtained from your local retail store. Please refer to the manual to install and set up a tilting wall mounting bracket.



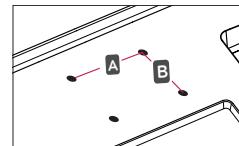
To install the monitor to a wall, attach a wall mounting bracket (optional) to the back of the monitor.

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

- 1 If you use screw longer than standard, the monitor might be damaged internally.
- 2 If you use improper screw, the product might be damaged and drop from mounted position.

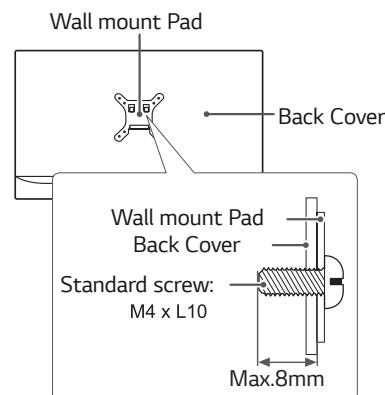
In this case, LG Electronics is not responsible for it.

- Wall Mount (A x B)



### CAUTION

- Unplug the power cord before moving or installing the monitor to avoid electric shocks.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury. Please use the genuine LG wall mounting bracket. For more information, contact your local retail store or a qualified installer.
- Applying excessive force when fastening screws may cause damage to the monitor. Damage caused in this way will not be covered by the product warranty.
- Use the wall mounting bracket and screws that conform to the VESA standard. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- Screw length from outer surface of back cover should be under 8mm.



Wall Mount (A x B)	100 x 100
Standard screw	M4 x L10
Number of screws	4
Wall Mount Plate (Optional)	RW120 

### NOTE

- Use the screws specified by the VESA standard.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. The accessories can be purchased at your local retail store.
- The length of the screw may differ for each wall mounting bracket. Ensure the correct length screw is used.
- For more information, please refer to the user manual for the wall mounting bracket.

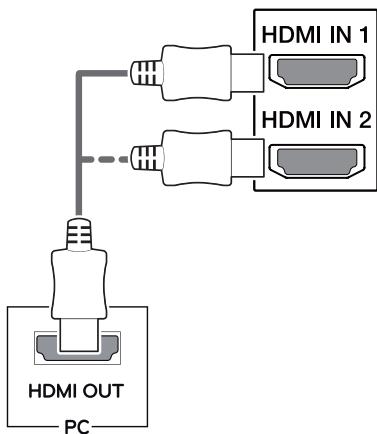
# USING THE MONITOR

## Connecting to a PC

- This monitor supports the \*Plug and Play feature.
- \*Plug and Play: A feature that allows you to add a device to your computer without having to reconfigure anything or install any manual drivers.

## HDMI connection

Transmits the digital video and audio signals from your PC and A/V devices to the monitor. Connect your PC and AV device to the monitor with the HDMI cable as illustrated below. Press the menu button and then select the input option from the input menu.



### ! NOTE

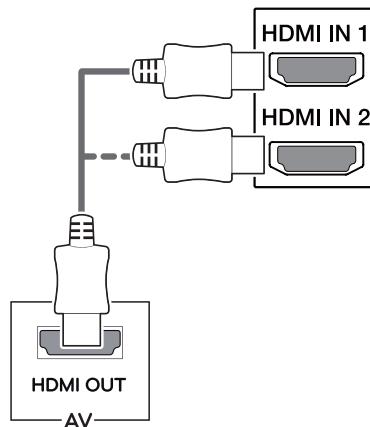
- If you use HDMI PC, it can cause compatibility problem.
- Use a certified cable with the HDMI logo attached. If you do not use a certified HDMI cable, the screen may not display or a connection error may occur.
- Recommended HDMI cable types
  - High-Speed HDMI®/™ Cable
  - High-Speed HDMI®/™ Cable with Ethernet

## Connecting to AV Devices

### HDMI connection

Transmits the digital video and audio signals from your PC and A/V devices to the monitor. Connect your PC and AV device to the monitor with the HDMI cable as illustrated below.

Press the menu button and then select the input option from the input menu.

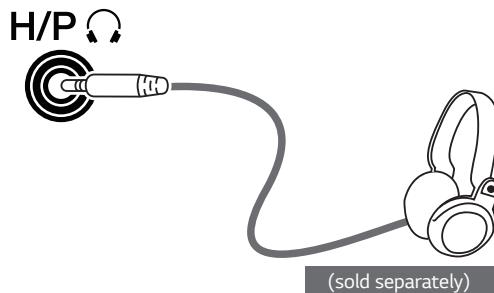


### ! NOTE

- If you use HDMI PC, it can cause compatibility problem.
- 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®/™ Cable
  - High-Speed HDMI®/™ Cable with Ethernet

## Connecting Headphones

Connect peripherals to the monitor via the headphones port.  
Connect as illustrated.



### ! NOTE

- Peripheral devices are sold separately.
- If you use angled earphones, it may cause a problem with connecting another external device to the monitor. Therefore, it is recommended to use straight earphones.



Angled



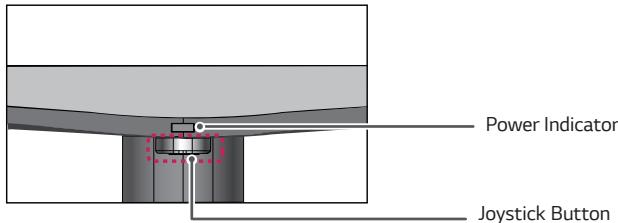
Straight

- Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.

# CUSTOMIZING SETTINGS

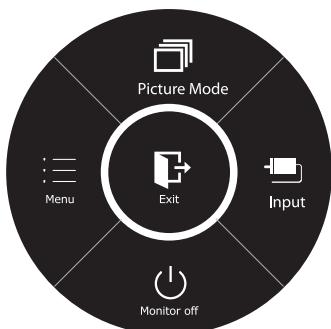
## Activating the Main Menu

- 1 Press the joystick button on the bottom of the monitor.
- 2 Move the joystick up/down ( $\blacktriangle/\nabla$ ) and left/right( $\blacktriangleleft/\blacktriangleright$ ) to set the options.
- 3 Press the joystick button once more to exit the main menu.



Button	Menu Status	Description
	<b>Main menu disabled</b>	Enables the main menu.
	<b>Main menu enabled</b>	Exits the main menu. (Holding down the button to turn off the monitor. You can turn off the monitor this way at any time, including when the OSD is on.)
	<b>Main menu disabled</b>	Adjusts the monitor volume level.
	<b>Main menu enabled</b>	Enters the menu features.
	<b>Main menu disabled</b>	Adjusts the monitor volume level.
	<b>Main menu enabled</b>	Operates the Input change.
	<b>Main menu disabled</b>	Enables the main menu.
	<b>Main menu enabled</b>	Enters the picture mode feature.
	<b>Main menu disabled</b>	Enables the main menu.
	<b>Main menu enabled</b>	Turns off the monitor.

## Main Menu Features



Main Menu	Description
<b>Menu</b>	Configures the screen settings.
<b>Picture Mode</b>	Select picture mode to achieve the best display effect.
<b>Input</b>	You can choose the input signal. • When two input signals are connected, you can select the input signal you want.
<b>Monitor off</b>	Turns off the monitor.
<b>Exit</b>	Exits the main menu.

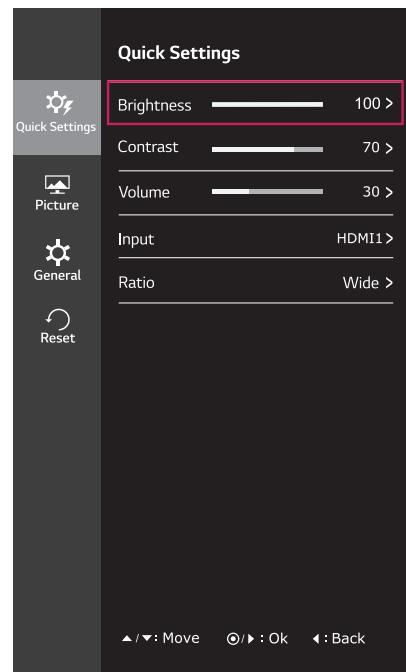
◎ Long Press: Monitor Off

## Customizing settings

### Menu Settings

#### -Quick Settings

- 1 To view the **OSD menu**, press the **joystick button** at the bottom of the monitor and then enter the **Menu**.
- 2 Go to **Quick Settings > Brightness** by moving the joystick.
- 3 Configure the options following the instructions that appear in the bottom right corner.
- 4 To return to the upper menu or set other menu items, move the joystick to **◀** or pressing (**◎ / OK**) it.
- 5 If you want to exit the OSD menu, move the joystick to **◀** until you exit.



Each option is described below.

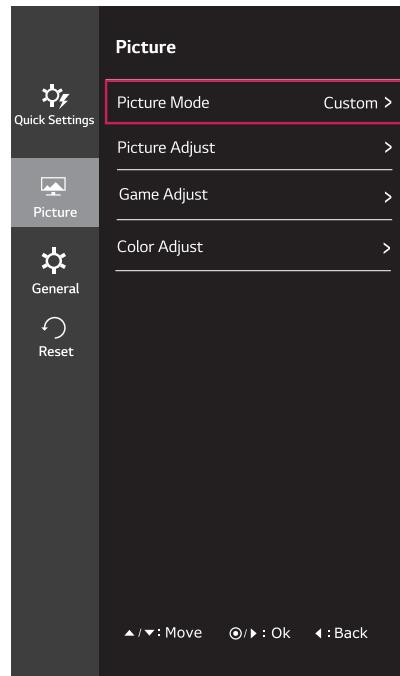
Menu > Quick Settings	Description				
<b>Brightness</b>	Adjusts the color contrast and brightness of the screen.				
<b>Contrast</b>					
<b>Volume</b>	Adjusts the volume.  ! <b>NOTE</b> <ul style="list-style-type: none"> <li>• Jog joystick button down (  ) in the Volume menu will enable/disable the Mute function.</li> </ul>				
<b>Input</b>	Selects the current input mode.				
<b>Ratio</b>	Adjusts the screen ratio.  <table border="1"> <tr> <td><b>Wide</b></td><td>Displays the video in wide-screen, regardless of the video signal input.</td></tr> <tr> <td><b>Original</b></td><td>Displays a video according to the input video signal aspect ratio.</td></tr> </table>	<b>Wide</b>	Displays the video in wide-screen, regardless of the video signal input.	<b>Original</b>	Displays a video according to the input video signal aspect ratio.
<b>Wide</b>	Displays the video in wide-screen, regardless of the video signal input.				
<b>Original</b>	Displays a video according to the input video signal aspect ratio.				

#### ! **NOTE**

- The display may look the same for Wide, Original options at the recommended resolution (2560 x 1080).
- The ratio is disabled in the interlaced signal.

## -Picture

- 1 To view the **OSD menu**, press the **joystick button** at the bottom of the monitor and then enter the **Menu**.
- 2 Go to **Picture** by moving the joystick.
- 3 Configure the options following the instructions that appear in the bottom right corner.
- 4 To return to the upper menu or set other menu items, move the joystick to **◀** or pressing (**◎ / OK**) it.
- 5 If you want to exit the OSD menu, move the joystick to **◀** until you exit.



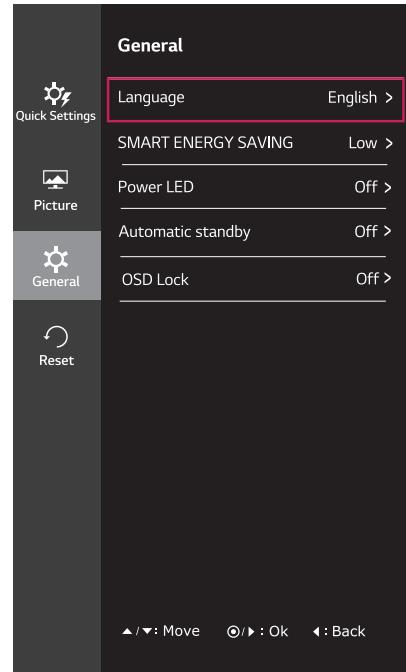
Each option is described below.

Menu > Picture	Description			
<b>Picture Mode</b>	<b>Custom</b>	Allows the user to adjust each element. The color mode of the main menu can be adjusted.		
	<b>Reader</b>	It is a mode that the screen is adjusted to the best for the newspaper. If you want screen more bright, you can control brightness in Menu OSD.		
	<b>Photo</b>	Optimizes the screen to view photos.		
	<b>Cinema</b>	Optimizes the screen to improve the visual effects of a video.		
	<b>FPS 1</b>	This mode is optimized for FPS games.		
	<b>FPS 2</b>	It has a higher Black Stabilizer value than FPS Game 1. It is suitable for very dark FPS games.		
	<b>RTS</b>	This mode is optimized for RTS Game.		
	<b>Custom (Game)</b>	In this mode, users can customize various elements including game-related options.		
<b>Picture Adjust</b>	<b>Sharpness</b>	Adjusts the sharpness of the screen.		
	<b>Black Level</b>	Sets the offset level (for HDMI only). <ul style="list-style-type: none"> <li>• <b>Offset:</b> as a reference for a video signal, this is the darkest color the monitor can display.</li> </ul>		
		<table border="1"> <tr> <td><b>High</b></td><td>Keeps the current contrast ratio of the screen.</td></tr> <tr> <td><b>Low</b></td><td>Lowers the black levels and raises the white levels from the current contrast ratio of the screen.</td></tr> </table>	<b>High</b>	Keeps the current contrast ratio of the screen.
<b>High</b>	Keeps the current contrast ratio of the screen.			
<b>Low</b>	Lowers the black levels and raises the white levels from the current contrast ratio of the screen.			
<b>DFC</b>	Adjusts the brightness automatically according to the screen.			

<b>Game Adjust</b>	<b>Black Stabilizer</b>	Black Stabilizer : You can control the black contrast to have better visibility in dark scenes. Increasing the Black Stabilizer value brightens the low gray level area on the screen. (You can easily distinguish objects on dark game screens.) Reducing the Black Stabilizer value darkens the low gray level area and increases the dynamic contrast on the screen.															
	<b>Response Time</b>	Sets a response time for displayed pictures based on the speed of the screen. For a normal environment, it is recommended that you use Normal. For a fast-moving picture, it is recommended that you use High. Setting to High may cause image sticking.															
	<b>High</b>	Sets the response time to High.															
	<b>Middle</b>	Sets the response time to Middle.															
	<b>Low</b>	Sets the response time to Low.															
	<b>Off</b>	Sets the response time to Off.															
	<b>FreeSync</b>	Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.  <b>NOTE</b> <ul style="list-style-type: none"><li>• To use the FreeSync feature, a graphic card that supports FreeSync is necessary.</li><li>• Supported Interface: HDMI</li><li>• For more information, refer to AMD website at <a href="http://www.amd.com/FreeSync">http://www.amd.com/FreeSync</a></li></ul>															
	<b>On</b>	FreeSync function on.															
	<b>Off</b>	FreeSync function off.															
	<b>Color Adjust</b>	<table border="1"> <tr> <td><b>Gamma</b></td> <td>The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes. If you do not need to adjust the gamma settings, select Off.</td> </tr> <tr> <td><b>Color Temp</b></td> <td>Selects the factory default picture color. <b>Warm:</b> Sets the screen color to a reddish tone. <b>Medium:</b> Sets the screen color between a red and blue tone. <b>Cool:</b> Sets the screen color to a bluish tone.</td> </tr> <tr> <td><b>Custom</b></td> <td> <table border="1"> <tr> <td><b>Red</b></td> <td>You can customize the picture color using Red, Green, and Blue colors.</td> </tr> <tr> <td><b>Green</b></td> <td></td> </tr> <tr> <td><b>Blue</b></td> <td></td> </tr> </table> </td> </tr> <tr> <td><b>Six Color</b></td> <td>Meets the user requirements for colors through adjusting the color and saturation of the six colors(<b>Red_Hue</b>, <b>Red_Saturation</b>, <b>Green_Hue</b>, <b>Green_Saturation</b>, <b>Blue_Hue</b>, <b>Blue_Saturation</b>, <b>Cyan_Hue</b>, <b>Cyan_Saturation</b>, <b>Magenta_Hue</b>, <b>Magenta_Saturation</b>, <b>Yellow_Hue</b>, <b>Yellow_Saturation</b>) and saving the settings. *Hue: Adjusts tone of the screen. *Saturation: Adjusts the saturation of the screen colors. The lower the value, less saturated and bright the colors become. The higher the value, the more saturated and dark the colors become.</td> </tr> <tr> <td><b>Reset</b></td> <td>Returns the color settings to the default settings.</td></tr> </table>	<b>Gamma</b>	The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes. If you do not need to adjust the gamma settings, select Off.	<b>Color Temp</b>	Selects the factory default picture color. <b>Warm:</b> Sets the screen color to a reddish tone. <b>Medium:</b> Sets the screen color between a red and blue tone. <b>Cool:</b> Sets the screen color to a bluish tone.	<b>Custom</b>	<table border="1"> <tr> <td><b>Red</b></td> <td>You can customize the picture color using Red, Green, and Blue colors.</td> </tr> <tr> <td><b>Green</b></td> <td></td> </tr> <tr> <td><b>Blue</b></td> <td></td> </tr> </table>	<b>Red</b>	You can customize the picture color using Red, Green, and Blue colors.	<b>Green</b>		<b>Blue</b>		<b>Six Color</b>	Meets the user requirements for colors through adjusting the color and saturation of the six colors( <b>Red_Hue</b> , <b>Red_Saturation</b> , <b>Green_Hue</b> , <b>Green_Saturation</b> , <b>Blue_Hue</b> , <b>Blue_Saturation</b> , <b>Cyan_Hue</b> , <b>Cyan_Saturation</b> , <b>Magenta_Hue</b> , <b>Magenta_Saturation</b> , <b>Yellow_Hue</b> , <b>Yellow_Saturation</b> ) and saving the settings. *Hue: Adjusts tone of the screen. *Saturation: Adjusts the saturation of the screen colors. The lower the value, less saturated and bright the colors become. The higher the value, the more saturated and dark the colors become.	<b>Reset</b>
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## -General

- 1 To view the **OSD menu**, press the **joystick button** at the bottom of the monitor and then enter the **Menu**.
- 2 Go to **General** by moving the joystick.
- 3 Configure the options following the instructions that appear in the bottom right corner.
- 4 To return to the upper menu or set other menu items, move the joystick to **◀** or pressing (**◎ / OK**) it.
- 5 If you want to exit the OSD menu, move the joystick to **◀** until you exit.



Each option is described below.

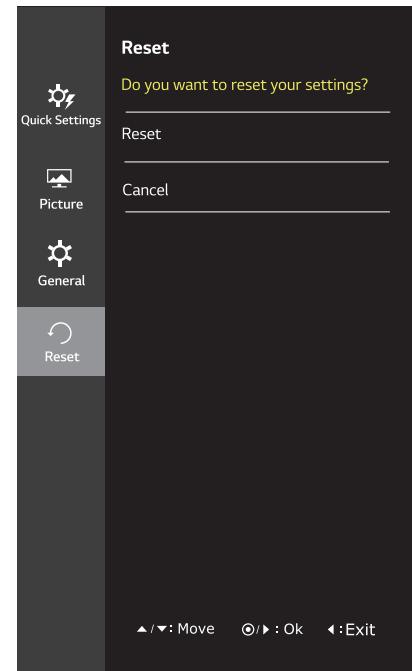
Menu > General	Description	
<b>Language</b>	To choose the language in which the control names are displayed.	
<b>SMART ENERGY SAVING</b>	<b>High</b>	Enables SMART ENERGY SAVING you can save energy with this energy- high efficient function.
	<b>Low</b>	Enables SMART ENERGY SAVING you can save energy with this energy- low efficient function.
	<b>Off</b>	Disables SMART ENERGY SAVING .
<b>Power LED</b>	Turns the power indicator on the front side of the monitor on/off.	
	<b>On</b>	The power indicator is automatically turned on.
	<b>Off</b>	The power indicator is automatically turned off.
<b>Automatic Standby</b>	The monitor will automatically switch to standby mode after a certain period.	
<b>OSD Lock</b>	Prevents incorrect key input.	
	<b>On</b>	Key input is disabled.
	<b>NOTE</b>	All functions except for the OSD Lock mode and the Exit button for Brightness, Contrast, Volume, Input, and General are disabled.
	<b>Off</b>	Key input is enabled.

### ! NOTE

- SMART ENERGY SAVING: Conserve energy by using luminance compensation algorithm.
- Saving Data depends on the Panel. So, those values should be different from each panel and panel vendor. If option of SMART ENERGY SAVING is High or Low, monitor luminance become higher or lower depend on source.

## -Reset

- 1 To view the **OSD menu**, press the **joystick button** at the bottom of the monitor and then enter the **Menu**.
- 2 Go to **Reset** by moving the joystick.
- 3 Configure the options following the instructions that appear in the bottom right corner.
- 4 To return to the upper menu or set other menu items, move the joystick to **◀** or pressing (**◎ / OK**) it.
- 5 If you want to exit the OSD menu, move the joystick to **◀** until you exit.

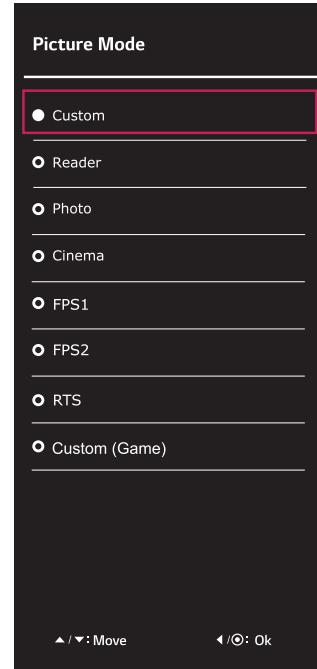


Each option is described below.

Menu > Reset	Description
<b>Do you want to reset your settings?</b>	
<b>Reset</b>	Returns to the default settings.
<b>Cancel</b>	Cancel the select.

## -Picture Mode

- 1 Press the joystick button on the bottom of the monitor.
- 2 Go to **Picture mode** by moving the joystick button to ▲.
- 3 Configure the options following the instructions that appear in the bottom.



Each option is described below.

Menu > Picture Mode	Description	
<b>Picture Mode</b>	<b>Custom</b>	Allows the user to adjust each element. The color mode of the main menu can be adjusted.
	<b>Reader</b>	It is a mode that the screen is adjusted to the best for the newspaper. If you want screen more bright, you can control brightness in Menu OSD.
	<b>Photo</b>	Optimizes the screen to view photos.
	<b>Cinema</b>	Optimizes the screen to improve the visual effects of a video.
	<b>FPS 1</b>	This mode is optimized for FPS games.
	<b>FPS 2</b>	It has a higher Black Stabilizer value than FPS Game 1. It is suitable for very dark FPS games.
	<b>RTS</b>	This mode is optimized for RTS Game.
	<b>Custom (Game)</b>	In this mode, users can customize various elements including game-related options.

# TROUBLESHOOTING

<b>Nothing is displayed on the screen.</b>	
Is the monitor's power cord plugged in?	<ul style="list-style-type: none"> <li>Check if the power cord is correctly plugged into the power outlet.</li> </ul>
Is the power LED on?	<ul style="list-style-type: none"> <li>Check the power cable connection and press the power button.</li> </ul>
Is the power on and the power LED displaying white?	<ul style="list-style-type: none"> <li>Check that the connected input is enabled (Menu &gt; Quick Settings &gt; Input).</li> </ul>
Is the power LED blinking?	<ul style="list-style-type: none"> <li>If the monitor is in sleep mode, move the mouse, or press any key on the keyboard, to switch the display on.</li> <li>Check if the computer is turned on.</li> </ul>
Is the OUT OF RANGE message being displayed?	<ul style="list-style-type: none"> <li>This occurs when signals transferred from the PC (graphics card) are out of the horizontal or vertical frequency range of the monitor. Please see the Product Specification section of this manual to set the appropriate frequency.</li> </ul>
Is the No Signal message being displayed?	<ul style="list-style-type: none"> <li>This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it.</li> </ul>

<b>The OSD lock message is being displayed.</b>	
Are some functions not available when you press the Menu button?	<ul style="list-style-type: none"> <li>The OSD is locked. Go to Menu &gt; General and set OSD Lock to Off.</li> </ul>

<b>The screen retains an image.</b>	
Does image sticking occur even when the monitor is turned off?	<ul style="list-style-type: none"> <li>Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.</li> <li>To extend the lifetime of the monitor, use a screensaver.</li> </ul>

<b>Screen display is unstable and shaky / Images displayed on the monitor leave shadow trails.</b>	
Did you select the appropriate resolution?	<ul style="list-style-type: none"> <li>If the selected resolution is HDMI 1080i 60/50 Hz (interlaced), the screen may be flickering. Change the resolution to 1080P or the recommended resolution.</li> </ul>

## NOTE

- Vertical frequency** In order to display an image, the screen must be refreshed dozens of times per second, like a fluorescent lamp. The number of times the screen is refreshed per second is called vertical frequency, or refresh rate, and is represented by Hz.
- Horizontal frequency** The time it takes to display one horizontal line is called the horizontal cycle. If 1 is divided by the horizontal interval, the result is the number of horizontal lines displayed per second. This is called horizontal frequency and is represented by kHz.

 **NOTE**

- Check if the graphics card's resolution or frequency is within the range allowed by the monitor and set it to the recommended (optimal) resolution in **Control Panel > Display > settings**.
- Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area, or misalignment of the display.
- The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact the manufacturer of the computer or graphics card for assistance.
- Some graphics cards may not support 2560 × 1080 resolution. If the resolution cannot be displayed, contact the manufacturer of your graphics card.

<b>The display color is discoloured.</b>	
Does the display appear discoloured (16 colors)?	<ul style="list-style-type: none"> <li>Set the color to 24 bit (true color) or higher. In Windows, go to control Panel &gt; Display &gt; Settings &gt; Color Quality.</li> </ul>
Does the display color appear unstable or monochrome?	<ul style="list-style-type: none"> <li>Check if the signal cable is connected properly. Reconnect the cable or reinsert the PC's graphics card.</li> </ul>
Are there spots on the screen?	<ul style="list-style-type: none"> <li>When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.</li> </ul>

<b>Do you see an "Unrecognized monitor, Plug&amp;Play (VESA DDC) monitor found" message?</b>	
Have you installed the display driver?	<ul style="list-style-type: none"> <li>Be sure to install the display driver from the display driver CD (or diskette) that comes with your display. Or, you can also download the driver from our web site: <a href="http://www.lg.com">http://www.lg.com</a>.</li> <li>Make sure to check if the video card supports Plug&amp;Play function.</li> </ul>

# SPECIFICATIONS

## 34UM61

	Type	TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Screen	
	Pixel Pitch	0.312 mm x 0.310 mm	
Resolution	Maximum Resolution	2560 x 1080 @ 60 Hz	
	Recommended Resolution	2560 x 1080 @ 60 Hz	
Video Signal	Horizontal Frequency	30 kHz to 90 kHz	
	Vertical Frequency	56 Hz to 75 Hz	
Input Connector	HDMI IN1, HDMI IN2, H/P		
Power	Voltage	19 V --- 2.0 A	
	Power consumption (Typ.)	On mode: 27.3 W Typ. ( ENERGY STAR® standard ) * 34.6 W Typ. ( Outgoing condition ) ** Sleep Mode ≤ 0.5 W Off Mode ≤ 0.3 W	
AC/DC adaptor	Type ADS-45SN-19-3 19040G, SHENZHEN HONOR ELECTRONIC production Or type LCAP21C, LIEN CHANG ELECTRONIC ENTERPRISE production Or type LCAP26B-E, LIEN CHANG ELECTRONIC ENTERPRISE production Output: 19 V --- 2.1 A		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C
		Humidity	Less than 80 %
	Storing Condition	Temperature	-20 °C to 60 °C
		Humidity	Less than 85 %
Stand Angle Adjustment	Forwards/Backwards: -5° to 15° (Head)		
Dimension	Monitor Size (Width x Depth x Height)		
	With Stand	828.5 mm x 222.4 mm x 460.2 mm	
	Without Stand	828.5 mm x 41.5 mm x 370.2 mm	
Weight (Without Packaging)	With Stand	7.1 kg	
	Without Stand	6.1 kg	

The specifications are subject to change without notice.

\* The power consumption level can be different by operating condition and monitor setting.

\* The On mode power consumption is measured with ENERGY STAR® test standard.

\*\*The On mode power consumption is measured with LGE test standard(Full White pattern,Maximumresolution).

## Factory Support Mode (Preset Mode, PC)

### HDMI

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
720 x 400	31.468	70.08	-/+	
640 x 480	31.469	59.94	-/-	
640 x 480	37.5	75	-/-	
800 x 600	37.879	60.317	+/+	
800 x 600	46.875	75	+/+	
1024 x 768	48.363	60	-/-	
1024 x 768	60.123	75.029	+/+	
1152 x 864	67.5	75	+/+	
1280 x 720	45	60	+/+	
1280 x 1024	63.981	60.02	+/+	
1280 x 1024	79.976	75.025	+/+	
1600 x 900	60	60	+/+	
1680 x 1050	65.290	59.954	-/+	
1920 x 1080	67.5	60	+/-	
2560 x 1080	66.7	60	-/+	

### HDMI Timing (Video)

Preset Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Remarks
480P	31.50	60	
576P	31.25	50	
720P	37.50	50	
720P	45.00	60	
1080P	56.25	50	
1080P	67.50	60	

### Power Indicator

Mode	LED Color
On Mode	Light On
Power-saving	Blinking
Off Mode	Off



This device meets the EMC requirements for home appliances (Class B) and is intended for home usage. This device can be used in all regions. Read the owner's manual (CD) carefully and keep it at hand. Please note that the label attached to the product provides information for technical support.

**MODEL** \_\_\_\_\_

**SERIAL** \_\_\_\_\_



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 [ENERGYSTAR.gov](http://ENERGYSTAR.gov) for more information on the ENERGY STAR® program.



# OWNER'S MANUAL

# AIR CONDITIONER

ENGLISH

ESPAÑOL

Read this owner's manual thoroughly before operating the appliance and retain it for future reference.

TYPE : PORTABLE AIR CONDITIONER

MODEL : LP0817WSR  
LP1017WSR  
LP1217GSR  
LP1417SHR  
LP1417GSR  
LP1417WSRSM

P/NO : COV34636802

Rev.2

[www.lg.com](http://www.lg.com)

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## THANK YOU!

Congratulations on your purchase

and welcome to the LG family.

Your new LG Air Conditioner  
combines high-efficiency operation  
with portable convenience.

If you follow the operating and care  
instructions in this manual, your air  
conditioner will provide you with  
many years of reliable service.



## SAFETY INSTRUCTIONS

### READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others.

All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

#### **WARNING**

If you do not follow instructions, it could result in death or serious injury.

#### **CAUTION**

If you do not follow instructions, it could result in minor or moderate injury or damage to the product.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

### IMPORTANT SAFETY INSTRUCTIONS

#### **WARNING**

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

#### **■ Installation**

- Before use, the appliance must be properly installed as described in this manual.
- Connect to a properly rated, protected, and sized power circuit to avoid electrical overload.
- Always plug into a grounded outlet.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.
- When installing or moving the appliance, be careful not to pinch, crush, or damage the power cord.
- Do not modify or extend the power cord.
- Do not disassemble or modify the product.
- Adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- Use care when unpacking and installing. The edges of the product may be sharp.
- Disconnect the power cord or circuit breaker before installing or servicing the appliance.
- Keep packaging materials out of the reach of children. These materials can pose a suffocation risk to children.
- Store and install the product where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

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## SAFETY INSTRUCTIONS

### ■ Operation

- Use this appliance only for its intended purpose.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- Repair or immediately replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end.
- Do not run cord under carpets or mats where it could be stepped on and damaged.
- Keep the cord out from under heavy objects like tables or chairs.
- Do not place the power cord near a heat source.
- Do not use an adaptor or plug the product into a shared outlet.
- If you detect a strange sound, a chemical or burning smell, or smoke coming from the appliance, unplug it immediately, and contact an LG Electronics Customer Information Center.
- Never unplug the appliance by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.
- Do not grasp the power cord or touch the appliance controls with wet hands.
- If water enters the product, turn off the power at the main circuit, then unplug the product and call for service.
- If the product has been submerged, contact an LG Electronics Customer Information Center for instructions before resuming use.
- Unplug the product when unused for long periods.
- Unplug the product before cleaning.
- In the event of a gas leak (propane gas, etc.) do not operate this or any other appliance. Open a window or door to ventilate the area immediately.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Do not tamper with controls.
- The interior of the product must only be cleaned by an authorized service center or a dealer.
- Do not use solvent-based detergent on the product. Doing so can cause corrosion or damage, product failure, electrical shock, or fire.

**California Safe Drinking Water and Toxic Enforcement Act**

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***





## SAFETY INSTRUCTIONS

### CAUTION

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

#### ■ Operation

- This appliance is not intended for use as a precision refrigeration system. Do not use it for special purposes such as maintaining pets, food, precision machinery, or art objects.
- Make sure the air inlet and outlet are free from obstructions.
- Use a soft cloth to clean the appliance. Do not use waxes, thinners, or harsh detergents.
- Do not step on or place heavy objects on top of the appliance.
- Do not operate the appliance without the filter securely installed.
- Clean the filter every two weeks.
- Do not drink water drained from the appliance.
- If the batteries leak onto your clothes or skin, remove contaminated clothing and rinse skin thoroughly with soap and water. Do not use the remote if the battery has leaked.
- If the battery or the liquid inside it are ingested, do not induce vomiting or give food or drink. Contact a physician immediately.

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## SAFETY INSTRUCTIONS

### ELECTRICAL SAFETY

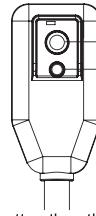
#### ⚠️ WARNING

##### Electric Shock Hazard

Failure to follow these instructions can result in death, fire, or electrical shock.

- This unit must be properly grounded.
- Do not, under any circumstances, cut or remove the ground prong.
- If you do not have a properly grounded outlet, or if there is any doubt that the outlet is properly grounded, a qualified electrician should check the outlet and circuit, and, if necessary, install a properly grounded outlet.
- This air conditioner must be plugged into a grounded 60 Hz, 120 VAC outlet protected by a 15 amp time delay fuse or circuit breaker.
- This air conditioner must be installed in accordance with national wiring codes.
- Do not alter or modify the plug or cord of this air conditioner. If the power cord becomes worn or damaged, the cord should only be replaced by a qualified service technician using genuine replacement parts.
- Do not use an extension cord.
- Do not use an adapter with this appliance.

##### INTEGRATED CIRCUIT BREAKER



For additional safety, the power cord features an integrated circuit breaker. Test and reset buttons are provided on the plug case. The circuit breaker should be tested periodically by pressing the TEST button then the RESET button. If the TEST button does not cause the circuit breaker to trip, or if the RESET button will not stay engaged, unplug the air conditioner immediately and contact your LG service technician.

## SAVE THESE INSTRUCTIONS



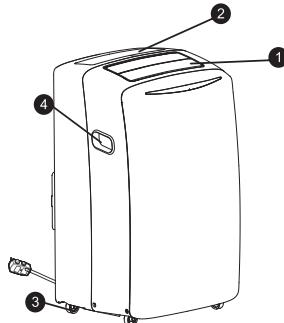


## PARTS AND FEATURES

### KEY PARTS AND COMPONENTS

#### ① AIR DISCHARGE

The adjustable louvered air discharge opens automatically when the air conditioner is turned on, and closes when it is turned off. It can also be set to oscillate to distribute air more evenly through the room.



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#### ② CONTROL PANEL AND DISPLAY

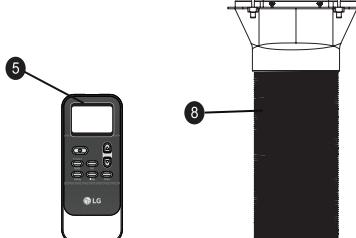
Easy-to-read digital display shows the set temperature, and indicator lights show the operating mode. Simple push buttons make changing settings quick and easy.

#### ③ SWIVELING CASTERS

Swiveling casters allow you to move the air conditioner easily on most floor surfaces.

#### ④ INTEGRATED HANDLES

Integrated handles provide a convenient grip when lifting the air conditioner.

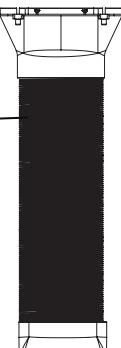


#### ⑤ INFRARED REMOTE CONTROLLER

The remote controller allows you to adjust the temperature and operate most functions of the air conditioner from across the room.

#### ⑥ BOTTOM DRAIN PORT

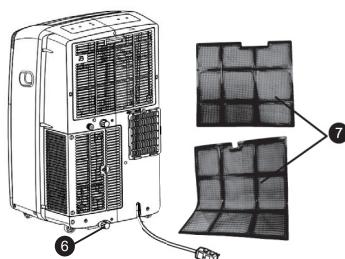
Before moving the air conditioner, drain the internal water in the collection tank completely using the bottom drain port.



#### ⑦ AIR FILTER

#### ⑧ HOSE AND DIFFUSER

Use the diffuser and hose to connect the air conditioner to the window installation kit to vent exhaust air outside.





## HOW TO USE

### BEFORE USING THE AIR CONDITIONER

#### *PREPARING FOR OPERATION*

Refer to the Installation Instructions included in this manual before using the air conditioner. Once the air conditioner has been properly assembled and installed:

- ① Plug the power cord into its own dedicated properly grounded outlet. Do not plug other appliances into the same outlet. Doing so could overload the outlet and create a fire hazard.
- ② Make sure the air conditioner and cord are positioned where they do not create a tripping hazard and will receive adequate ventilation. Do not place the appliance near furniture or objects that could block the vent openings.
- ③ Make sure that any items that could be blown over or damaged by the airflow from the fan are out of the airflow path.

#### *UNPACKING THE AIR CONDITIONER*

Remove and store packing materials for reuse. Remove any shipping tape before using the air conditioner. If the tape leaves behind any adhesive, rub a small amount of liquid dish soap onto it and wipe with a damp cloth. Do NOT use sharp instruments, alcohol, thinners, or abrasive cleaners to remove adhesive. They could damage the finish.

#### *IMPORTANT:*

- Do not remain in the direct airflow from the air conditioner for extended periods of time.
- When used at the same time as stoves, fireplaces, and other combustion devices, make sure there is a sufficient flow of fresh air into the room. Do not use in tightly enclosed spaces with these types of devices.
- This air conditioner is intended for household use as a consumer comfort appliance. Do not use it as a precision climate control system, or for purposes such as cooling precision equipment, food, pets, plants, artwork, etc. Such items could be damaged.
- Do not bend the hose downward when window installation kit is not applied. It may cause failure of air conditioner or performance deterioration.





## HOW TO USE

### BEFORE USING THE AIR CONDITIONER

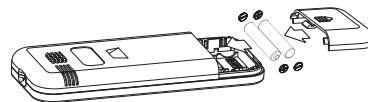
ENGLISH

#### **INSERTING BATTERIES IN THE REMOTE**

Before using the remote, install the provided AAA batteries.

- ① Press and slide to remove the battery cover on the back of the remote.
- ② Insert two new alkaline AAA batteries into the battery compartment, being sure to note the proper polarity.
- ③ Reattach the battery cover.

Be sure to note  
proper polarity!



#### NOTE :

- Use only alkaline batteries. Do not use rechargeable batteries.
- When replacing batteries, always replace both batteries with new batteries. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc) batteries
- If the air conditioner will not be used for an extended period of time, remove the batteries from the remote.

### **⚠ WARNING**

- If the batteries leak onto your clothes or skin, remove contaminated clothing and rinse skin thoroughly with soap and water. Do not use the remote if the battery has leaked.
- If the battery or the liquid inside it are ingested, do not induce vomiting or give food or drink. Contact a physician immediately.



## HOW TO USE

### CONTROL PANEL AND REMOTE

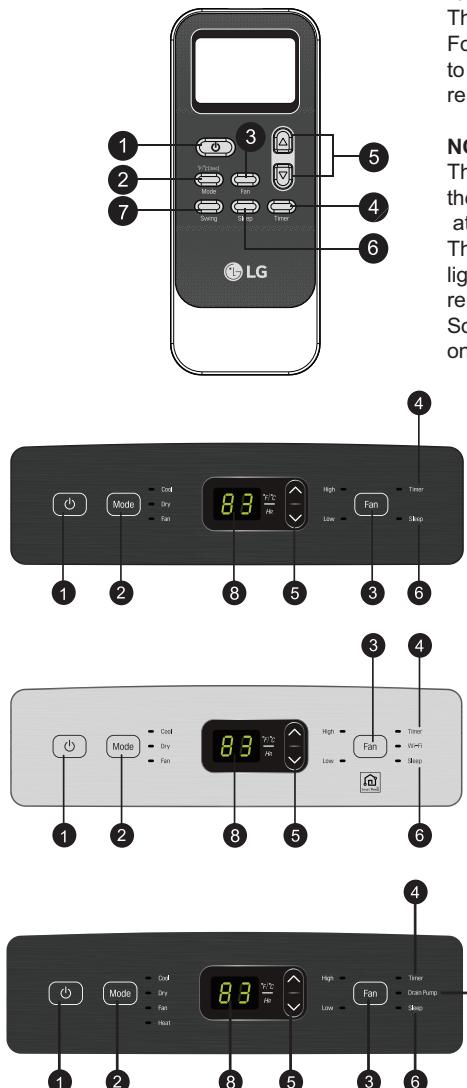
Operation of functions is the same when using the remote or the control panel, unless otherwise stated. The remote and the control panel are not in sync. For best results when using the remote, remember to check that all desired settings are correct on the remote as well as on the control panel.

#### NOTE:

The remote sensor is located on the front panel of the air conditioner. Point the remote from anywhere at the sensor.

The remote may not work if the sensor is in bright light or if there is not a clear path between the remote and the sensor.

Some functions may not be supported, depending on the model.



#### 1 POWER

Turns the air conditioner on and off. A chime sounds to confirm you have turned it on or off.

#### 2 MODE

Press this button repeatedly to toggle through and select the operating mode. Modes include Cool, Dry (dehumidify), Fan, and Heat. An LED illuminates to indicate the selected mode. The default mode is Cool. See the Operation section for more information.

**NOTE:** Press and hold the Mode button on the remote for 3 seconds to switch the temperature display from degrees Celsius (°C) to degrees Fahrenheit (°F).

#### 3 FAN (✿ / ♀)

Press repeatedly to toggle the fan speed between High and Low settings. An LED illuminates to indicate the selected fan speed. The fan speed can be changed in the Cool, Fan, and Heat modes. The fan speed is preset in the Dry mode. After pressing the button, there is a brief delay before the fan motor changes speed.

#### 4 TIMER

Use the timer function to set the air conditioner to turn on or off at a desired time. The timer function can only be set using the remote. See the Operation section for more information.



ENGLISH

## HOW TO USE

### CONTROL PANEL AND REMOTE

#### 5 ▲ / ▼ (TEMP/TIMER)

In COOL and HEAT modes, the **▲/▼** buttons adjust the set temperature up to 86°F or down to 60°F, in one-degree increments. When the TIMER function is selected, use the **▲/▼** buttons to adjust the delay time from 0 to 24 hours, in one-hour increments.

NOTE: The displayed temperature is the SET temperature, not the room temperature. In COOL and HEAT modes, the thermostat in the air conditioner runs the compressor until the set temperature is reached, then cycles the compressor on and off to maintain the set temperature.

#### 6 SLEEP (盹)

SLEEP mode can be used with any of the four modes. This function gives you a more comfortable environment for sleep.

The appliance will stop operation automatically after operating for 8 hours.

The fan speed is automatically set to Low.

This function can only be activated from the remote.

#### 7 SWING

Sets the air discharge louvers to open and shut, circulating the air more effectively through the room. This function can only be set from the remote. If the louvers do not move properly, unplug and plug in the power cord.

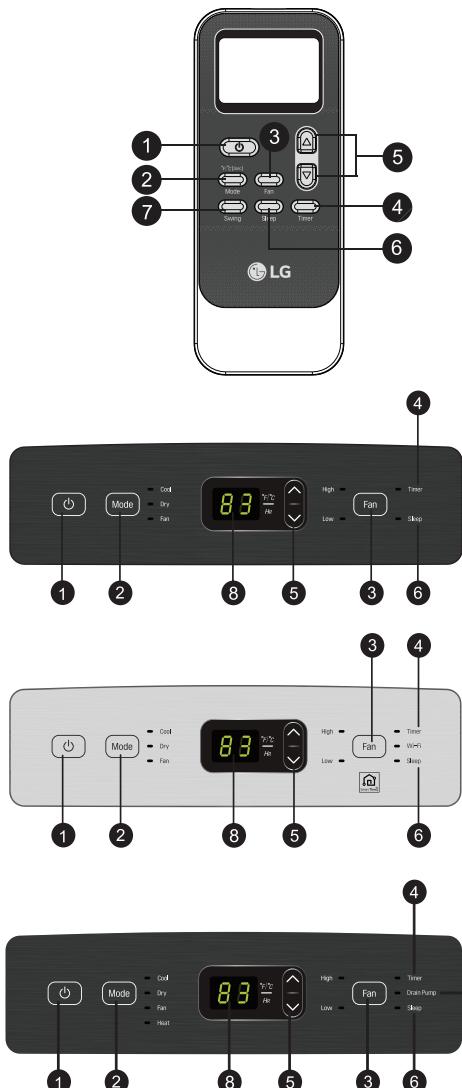
#### 8 LED DISPLAY

LED display shows the set temperature, fan speed, or the selected TIMER delay.

LEDs illuminate to indicate the active Mode, fan speed, and other settings. An E5 error code displays when the water drain tank needs to be emptied.

#### 9 DRAIN PUMP (Optional)

If you use the Heat mode, you must install the drain hose. (See pages 21-22 for more information.) If only the Cool mode is used, the drain hose is not needed.





# HOW TO USE

## OPERATION

### MODES

#### COOL(⌘)

Compressor runs and cools the room. Use the **▲/▼** and FAN buttons to set the desired temperature and fan speed. The desired temperature can be set from 60°F to 86°F (16°C to 30°C) in one-degree increments.

#### FAN(❀)

Fan circulates air but compressor does not run. Use the FAN button to set the desired fan speed to either High or Low.

#### DRY(☽)

Use the Dry mode to remove humidity from the room without additional cooling. The fan speed is preset and cannot be adjusted.

#### NOTE:

After 3 minutes in Dry mode, the target temperature is automatically set to 4°F (2°C) below the current room temperature. If desired, the temperature differential can be manually set by using the **▲/▼** buttons, within a range of -4°F (-2°C) less to 4°F (2°C) more than the room temperature.

Display	-2	-1	--	1	2
Temp.	-4°F	-2°F	0°F	2°F	4°F
Diff.	-2°C	-1°C	0°C	1°C	2°C

#### HEAT(⌘) (Optional)

Compressor runs and heats the room. Use the **▲/▼** and FAN buttons to set the desired temperature and fan speed. The desired temperature can be set from 60°F to 86°F (16°C to 30°C) in one-degree increments.

### TIMER

Use the Timer function to turn the air conditioner ON/OFF automatically.

#### Setting the Air Conditioner to Turn ON

1. Plug in the air conditioner and use the remote to power it ON.
2. Use the remote to set the desired mode, temperature, fan speed, etc.
3. Use the remote to power OFF the air conditioner.
4. Press TIMER on the remote and use the **▲/▼** buttons to set the desired delay time until the air conditioner turns ON. The delay time can be set from 0 to 24 hours in one-hour increments.
5. Press TIMER again to enter the delay time. The TIMER LED on the air conditioner illuminates, and the delay time appears on the remote and in the control panel.
6. To cancel the Timer function, press TIMER on the remote.

#### Setting the Air Conditioner to Turn OFF

1. Plug in the air conditioner and use the remote to power it ON.
2. Use the remote to set the desired mode, temperature, fan speed, etc.
3. Press TIMER on the remote and use the **▲/▼** buttons to set the desired delay time until the air conditioner turns OFF. The delay time can be set from 0 to 24 hours in one-hour increments.
4. Press TIMER again to enter the delay time. The TIMER LED on the air conditioner illuminates, and the delay time appears briefly in the control panel and is then replaced by the set temperature.
5. To cancel the Timer function, press TIMER on the remote.



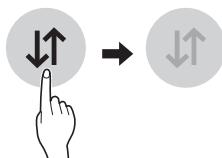
## SMART FUNCTIONS

### Using Smart ThinQ Application (on some models)

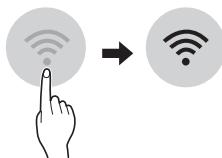
#### Things to check before using LG SmartThinQ

- For appliances with the  logo

- Check the distance between the appliance and the wireless router (Wi-Fi network).
  - If the distance between the appliance and the wireless router is too far, the signal strength becomes weak. It may take a long time to register or installation may fail.
- Turn off the **Mobile data** or **Cellular Data** on your smartphone.
  - For iPhones, turn data off by going to **Settings** → **Cellular** → **Cellular Data**.



- Connect your smartphone to the wireless router.



#### NOTE

- To verify the Wi-Fi connection, check that **Wi-Fi** icon on the control panel is lit.
- The appliance supports 2.4 GHz Wi-Fi networks only. To check your network frequency, contact your Internet service provider or refer to your wireless router manual.
- LG SmartThinQ is not responsible for any network connection problems or any faults, malfunctions, or errors caused by network connection.
- If the appliance is having trouble connecting to the Wi-Fi network, it may be too far from the router. Purchase a Wi-Fi repeater (range extender) to improve the Wi-Fi signal strength.
- The Wi-Fi connection may not connect or may be interrupted because of the home network environment.
- The network connection may not work properly depending on the Internet service provider.
- The surrounding wireless environment can make the wireless network service run slowly.
- The appliance cannot be registered due to problems with the wireless signal transmission. Unplug the appliance and wait about a minute before trying again.
- If the firewall on your wireless router is enabled, disable the firewall or add an exception to it.
- The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)
- Smartphone user interface (UI) may vary depending on the mobile operating system (OS) and the manufacturer.
- If the security protocol of the router is set to **WEP**, you may fail to set up the network. Please change it to other security protocols (**WPA2** is recommended) and register the product again.

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## SMART FUNCTIONS

### Using Smart ThinQ Application (on some models)

#### Installing LG SmartThinQ

Search for the LG SmartThinQ application from the Google Play Store or Apple App Store on a smart phone. Follow instructions to download and install the application.

##### NOTE

- If you choose the simple login to access the LG SmartThinQ application, you must go through the appliance registration process each time you change your smartphone or reinstall the application.

#### Product Registration

- 1 Run the **LG SmartThinQ** application on a smart phone.
- 2 Create an account and sign in.
- 3 Select **Register**.
- 4 Select **Air conditioner**.
- 5 Follow the instruction on the smart phone.

#### Wi-Fi Function

- For appliances with the

Communicate with the appliance from a smart phone using the convenient smart features.

#### Using the Application

- 1 Select the appliance in the application and connect it to a Wi-Fi network.
- 2 Select the menu on the upper right side to access settings and features.

#### Firmware Update

Keep the appliance performance updated.

#### Settings

Allows you to set various options on the appliance and in the application.

##### NOTE

- If you change your wireless router, your Internet service provider or your password after registering the appliance, please delete it from the LG SmartThinQ **Settings** → **Edit Product** and register again.
- The application is subject to change for appliance improvement purposes without notice to users.
- Functions may vary by model.

#### Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for three (3) years from the date on which you purchased the product.



# INSTALLATION INSTRUCTIONS

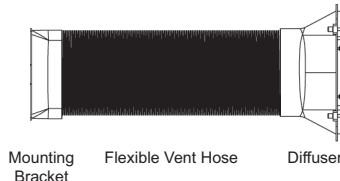
## PREPARING FOR INSTALLATION

ENGLISH

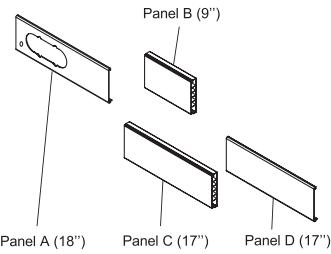
**WARNING** The air conditioner is heavy! Use two or more people to lift and install the unit! Failure to do so could result in back injury or other injuries.

### EXHAUST COMPONENTS

The following components are used for window venting.  
Not all components are used for every installation.



Mounting Bracket      Flexible Vent Hose      Diffuser



1 Window Vent Panel      3 Extension Panels

Window Installation Kit (includes 1 Window Vent Panel and 3 Extension Panels)



2 Type A Foam Seals  
(Adhesive)



1 Type B Foam Seal  
(Non-adhesive)



2 Type C Foam Seals  
(Adhesive type-Shorter)



Security Bracket



2 Type A Screws



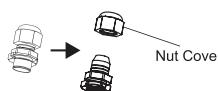
1 Type B Screw



1 Type C Screw



Drain Pipe  
(Optional)

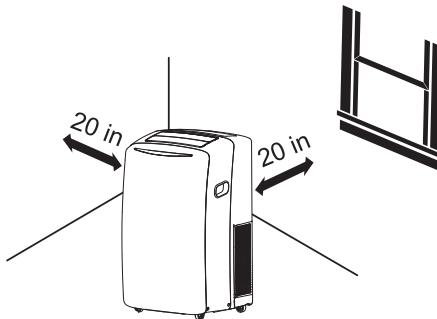


Nut Cover  
Lock Nut  
(Optional)

# INSTALLATION INSTRUCTIONS

## SELECTION OF INSTALLATION LOCATION

- 1 Place the unit on a level floor.
- 2 For best performance, allow at least 20 in of air space on all sides of the unit for good air circulation.
- 3 Place the unit near a window. The hose and diffuser will be used to connect the air conditioner to the window installation kit to vent exhaust air outside.



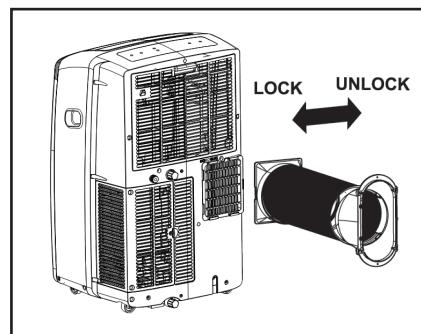
### ⚠️ WARNING

The length of the exhaust hose is specially designed according to the specification of this product. Do not replace or extend it with your own private hose as this could cause malfunction.

## ATTACHING THE HOSE AND DIFFUSER

### Assembling the Mounting Bracket, Diffuser, and Vent Hose

1. Use a pliers to extend the first four or five accordioned folds at both ends of the vent hose.
2. To attach the mounting bracket to one end of the vent hose, insert the extended folds on one side of the vent hose between the ridges inside one side of the mounting bracket.
3. Use a pliers to pull the folds on the opposite side of the vent hose up and between the ridges inside the opposite side of the mounting bracket.
4. Tug the mounting bracket to make sure it is securely attached to the vent hose.
5. To attach the diffuser to the other end of the vent hose, use a Phillips screwdriver to remove the four screws holding the grill on the end of the diffuser. Set the grill and screws aside.
6. Insert the vent hose in the round end of the diffuser in the same manner as assembling the hose to the mounting bracket. (See steps 2 and 3.)
7. Tug the diffuser to make sure it is securely attached to the vent hose.
8. Reattach the grill on the diffuser, using the four screws removed in step 5.



Attach the hose assembly onto the back of the air conditioner by inserting the edges of the mounting bracket behind the tabs at the top and bottom and sliding the mounting bracket to the left until it snaps into place.

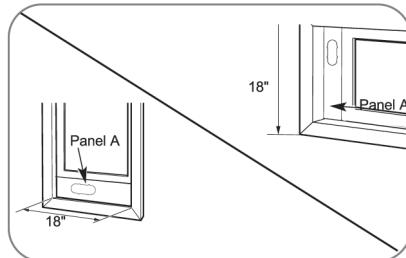
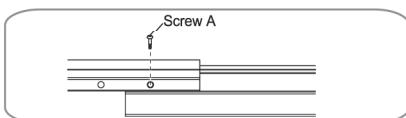
# INSTALLATION INSTRUCTIONS

## WINDOW VENT PANEL AND EXTENSIONS

The window installation kit allows you to install the air conditioner in most vertical-sliding windows 18" to 50" wide, or horizontal-sliding windows from 18" to 50" high.

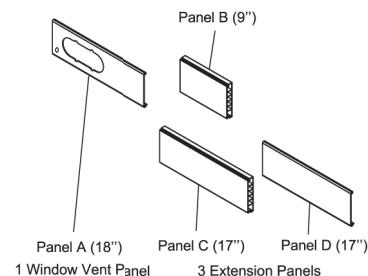
Window opening	Panel A 18"	B 9"	C 17"	D 17"	Fig.
18"	✓				a
19" - 26"	✓	✓			b
27" - 34"	✓		✓		c
35" - 50"	✓		✓	✓	d

1. Select the panels required based on the window opening, as shown above.
2. If the installation requires 2 or 3 panels, assemble the panels to the proper length and fix them in place with 1 type A screw.

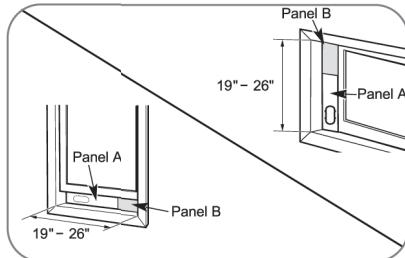


For an 18" window opening, use the window vent panel by itself.

Fig. a

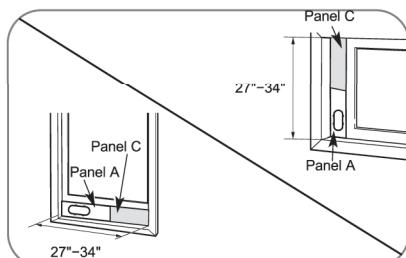


Window Installation Kit (includes 1 Window Vent Panel and 3 Extension Panels)



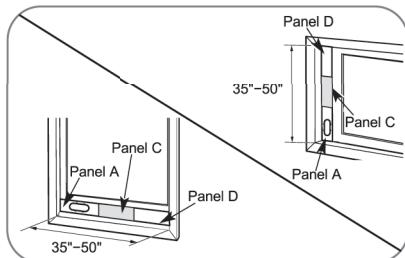
For window openings from 19" to 26", use the window vent panel (Panel A) and an extension panel (Panel B).

Fig. b



For window openings from 27" to 34", use the window vent panel (Panel A) and an extension panel (Panel C).

Fig. c



For window openings from 35" to 50", use the window vent panel and two extension panels (Panel C and Panel D).

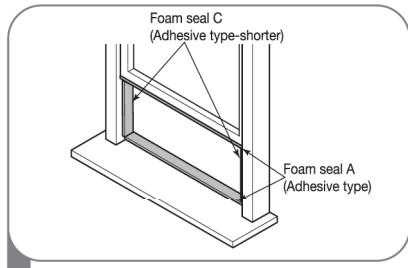
Fig. d



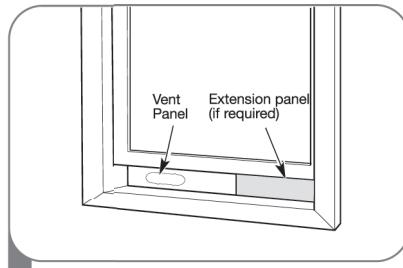
## INSTALLATION INSTRUCTIONS

### INSTALLATION IN VERTICAL-SLIDING WINDOWS

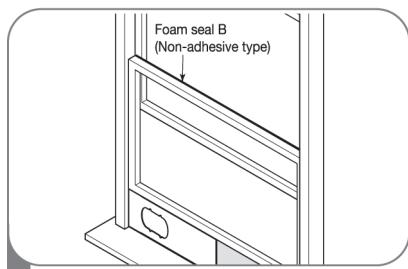
**NOTE :** The window installation kit can be used with vertical-sliding windows between 18" and 50" wide.



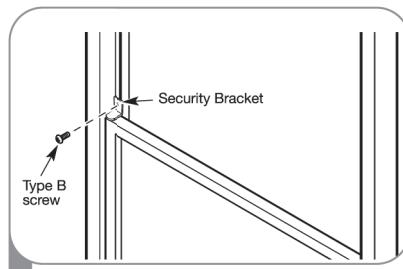
- 1 Cut the foam seal A (adhesive type) & C (adhesive type-shorter) to the proper length, and attach them to the window sash and frame.



- 2 Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



- 3 Cut the foam seal B (Non-adhesive type) to the window width. Stuff the foam seal B between the glass and the window to prevent air and insects from getting into the room.



- 4 Install the security bracket with a type B screw as shown, it desired.

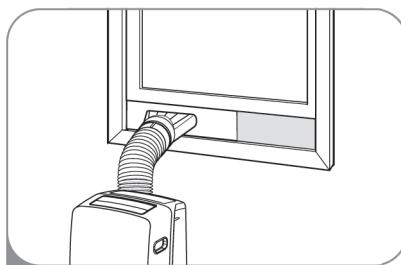




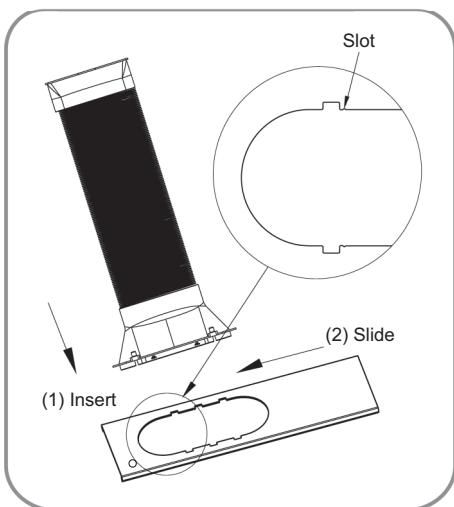
## INSTALLATION INSTRUCTIONS

### INSTALLATION IN VERTICAL-SLIDING WINDOWS

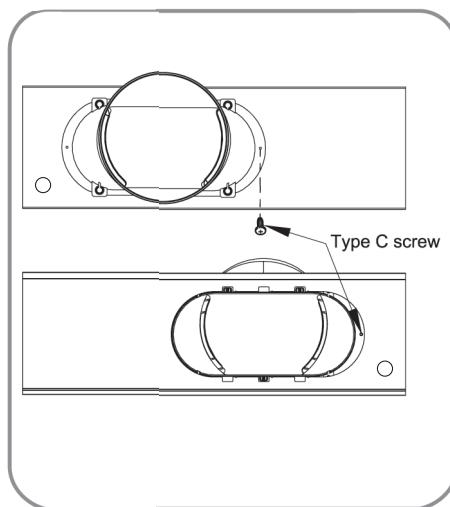
ENGLISH



- 5 Insert the diffuser into the opening in the vent panel and slide it to lock it into place.



Align the tabs on the diffuser with the slots in the vent panel. Insert the diffuser into the opening in the vent panel and slide the diffuser to lock the tabs in place.



Insert the type C screw in the hole in the diffuser to prevent the diffuser from sliding out of the vent opening.

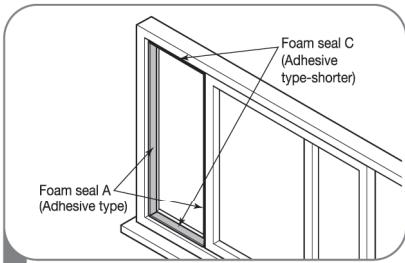




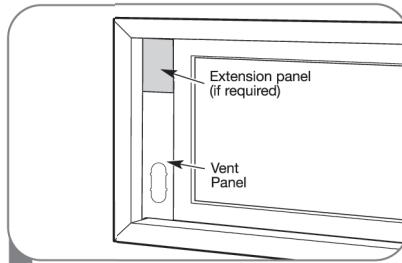
## INSTALLATION INSTRUCTIONS

### INSTALLATION IN HORIZONTAL-SLIDING WINDOWS

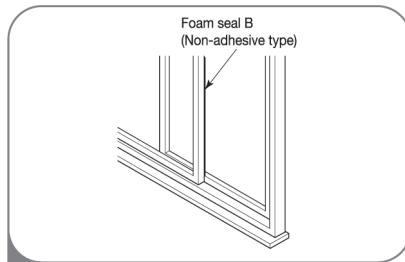
**NOTE :** The window installation kit can be used with horizontal-sliding windows between 18" and 50" tall.



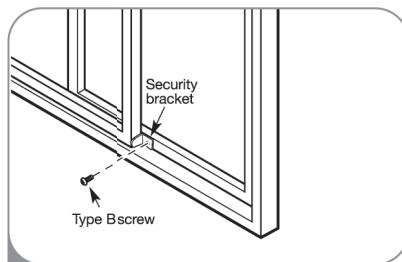
- 1 Cut the foam seal A (adhesive type) & C (adhesive type-shorter) to the proper length, and attach them to the window sash and frame.



- 2 Insert the vent panel assembly, including extensior panels, if needed, into the window opening. Extend the extension panels, if used.



- 3 Cut the foam seal B (Non-adhesive type) to the window height. Stuff the foam seal B between the glass and the window to prevent air and insects from getting into the room.



- 4 Install the window security bracket with a type B screw as shown.

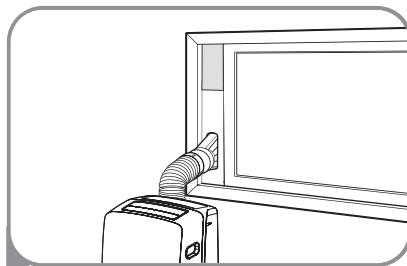




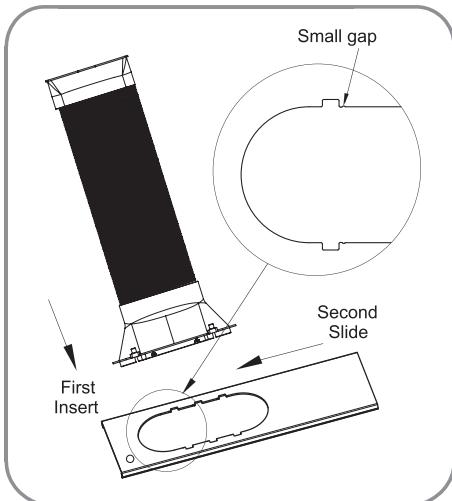
## INSTALLATION INSTRUCTIONS

### INSTALLATION IN HORIZONTAL-SLIDING WIDOWS

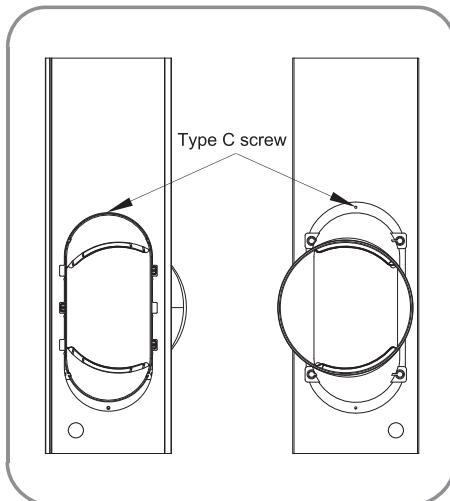
ENGLISH



- 5 Insert the diffuser into the opening in the vent panel and slide it to lock it into place.



Align the tabs on the diffuser with the slots in the vent panel. Insert the diffuser into the opening in the vent panel and slide the diffuser to lock the tabs in place.



Insert the type C screw in the hole in the diffuser to prevent the diffuser from sliding out of the vent opening.



## INSTALLATION INSTRUCTIONS

### HEATING DRAINAGE (Optional)

#### **⚠ CAUTION**

If you use the Heat mode, you must install the drain hose. If only the Cool mode is used, the drain hose is not needed.

If the outside temperature is at or near freezing (32°F/0°C) follow the indoor drainage instructions.

If using the outdoor drainage method, make sure the outlet of the hose is aimed away from nearby surfaces that could be stained or damaged by the draining water.

#### INDOOR DRAINAGE

1. To attach the drain hose, insert the connector into the upper drain port at the back of the unit until it snaps into place.
2. Place the other end of the drain hose in a bucket that holds at least 28 ounces. Remember to check and empty the bucket frequently to avoid overflows.
3. Set the unit to automatic drain by pressing the Fan and Down buttons at the same time.
4. To detach the drain hose, push the outer ring of the upper drain port in and pull the connector out.





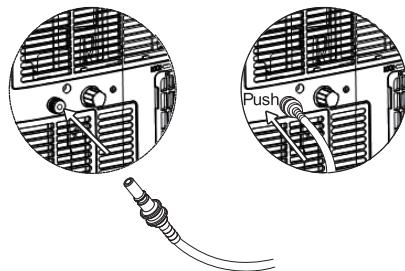
## INSTALLATION INSTRUCTIONS

### HEATING DRAINAGE (Optional)

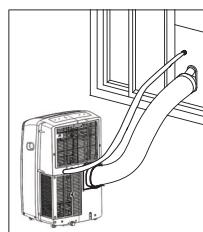
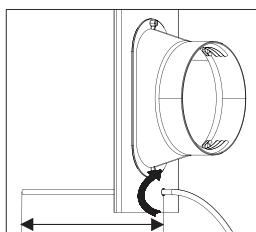
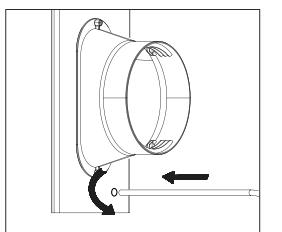
ENGLISH

#### OUTDOOR DRAINAGE

When the weather is above freezing, the unit can be set up to drain to the outside. Make sure the outlet of the hose is aimed away from nearby surfaces that could be stained or damaged by the draining water.



1. To attach the drain hose, insert the connector into the upper drain port at the back of the unit until it snaps into place.
2. Rotate the nut cover on the window vent panel and insert the other end of the drain hose through the hole in the window vent panel.
3. Make sure to insert the drain hose at least 8 inches.
4. Rotate the nut cover back to secure the drain hose in place.
5. Set the unit to automatic drain by pressing the Fan and Down buttons at the same time.
6. To detach the drain hose from the product, push the outer ring of the upper drain port in and pull the connector out.



#### ⚠ CAUTION

Inserting the drain hose in the unit will automatically activate the drain function.  
To activate the drain manually, press the Fan and Down buttons at the same time.



## CARE AND CLEANING

Your air conditioner is designed for year-round operation with only minimal cleaning and maintenance.

### **⚠ WARNING**

- Unplug the air conditioner before cleaning or performing any maintenance or servicing.
  - Be careful when cleaning coils or removing or reinstalling the filter—the cooling fins are sharp!
- Failure to follow the above precautions could result in electric shock or personal injury.

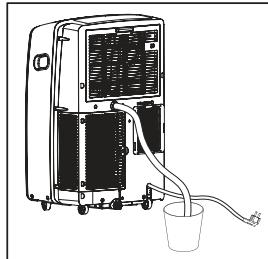
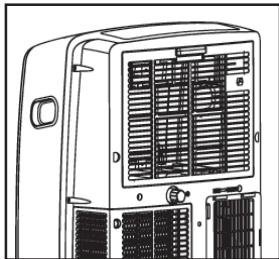
For maximum efficiency, it is recommended that you have the cooling coils inspected and cleaned annually. Your local LG Authorized Service Center can provide this inspection and cleaning service for a nominal fee.

## EMPTYING THE WATER COLLECTION TANK

This product has a self-evaporative system. The condensing water will be recycled to cool the condenser. This not only improves cooling efficiency, but also saves energy for you.

### ***Using the Upper Drain Port (Dry Mode Only)***

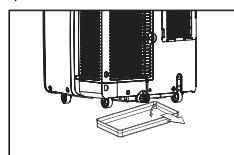
- This can be used when you need dehumidification in high humidity.
- The upper drain port is not used in the Cool or Fan mode.
- Remove the drain plug when using the Dry (dehumidifying) mode.
- Install a drain hose (16mm [5/8"] inside diameter) and place the open end of the hose over a drain or bucket or out the window.



### ***Using the Lower Drain Port***

When the internal water collection tank is full , the LED display will show E5 and the air conditioner will turn off until the tank is emptied.

- Unplug the air conditioner, disconnect the exhaust hose from the back, and move the air conditioner to a suitable drain location or outdoors. You may also place a pan under the drain that will hold up to 2 pints of water.
- Remove the drain cap from the drain outlet.
- Once the water collection tank is drained, reinstall the drain cap, making sure it is on securely.
- Place the air conditioner in the desired location, reconnect the exhaust hose, and plug in the air conditioner.



### ***NOTICE If the E5 error appears in the display:***

The water collection tank is full. Unplug the air conditioner, drain the tank, then plug the air conditioner back in and restart it.

**NOTE:** After the air conditioner is unplugged, it defaults to the Cool mode with a temperature setting of 75°F (24°C) once restarted.

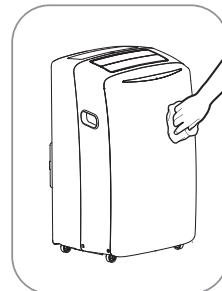


## CARE AND CLEANING

### CLEANING THE CASE

Wipe the case with a slightly damp cloth, then wipe dry with a dry cloth or towel.

- To prevent damage to the finish, do not use gasoline, benzene, thinner, etc., or any abrasive cleansers to clean the air conditioner; they may damage the finish.
- Never pour water onto or into the air conditioner. It could damage internal components and create a shock and fire hazard.



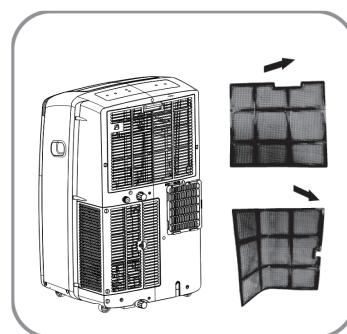
ENGLISH

### CLEANING THE AIR FILTER

The air filters should be cleaned every two weeks; depending on indoor air quality, more frequent cleaning may be needed. A dirty air filter will decrease airflow and reduce efficiency.

**Do not operate the air conditioner without the air filters in place.**

- ① Pull out each air filter by the handle.
- ② Use a vacuum cleaner to clean the filters. If the filters are heavily soiled, they can be washed in warm water using a mild detergent.  
**Do not use harsh cleaners or very hot water.**  
**Do not wash in a dishwasher.**
- ③ Allow the filters to dry completely before reinstalling.
- ④ Reinsert the filters.





## CARE AND CLEANING

### STORING THE AIR CONDITIONER

If the air conditioner will not be used for an extended period of time:

- ① To drain the water collection tank completely, leave the bottom drain cap off long enough to allow any residual water to drain out. Once the tank is completely drained and no more water flows out, reinstall the cap.
- ② Remove and clean the filters, allow them to dry completely, then reinstall them.
- ③ Remove the batteries from the remote.
- ④ Store the air conditioner in a cool, dry location, away from direct sunlight, extreme temperatures, and excessive dust.

Before using the air conditioner again:

- ① Make sure the filters and drain cap are in place
- ② Check the power cord to make sure it is in good condition, with no cracks or damage.
- ③ Place new batteries in the remote.
- ④ Install the air conditioner as described in the Installation Instructions.





## TROUBLESHOOTING

### BEFORE CALLING FOR SERVICE

Before you call for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of a defect in workmanship or materials.

ENGLISH

Problem	Possible causes	Corrective Action
Air conditioner does not start	The air conditioner is unplugged.	Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	If power failure occurs, unplug the unit. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	The current interrupter device is tripped.	Press the <b>RESET</b> button located on the power cord plug. If the <b>RESET</b> button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
	<b>E5</b> appears in the display.	The water collection tank is full. Drain the tank and reset your settings.
	Room temperature is less than the set temperature.	This is normal. The air conditioner automatically shuts off when the room temperature equals or is less than the set temperature. Adjust the temperature setting, if needed.
Air conditioner does not cool as it should	Airflow is restricted.	Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temp control may not be set correctly.	In <b>COOL</b> mode, press the <b>DECREASE*</b> button.
	The air filters are dirty.	Clean the filters at least every 2 weeks. See the Care and Cleaning section.
	The room may have been hot.	When the air conditioner is first turned on, you need to allow time for the room to cool down.
Air conditioner freezing up	The cooling coils are iced over.	Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at <b>High Fan</b> or <b>High Cool</b> .
Air conditioner runs too often or too long	Area to be cooled is too large for the air conditioner.	Consult your dealer for the air conditioner capacity necessary to cool the desired area.
	Doors or windows are open.	Make sure doors and windows are closed.



## TROUBLESHOOTING

### BEFORE CALLING FOR SERVICE

Problem	Possible causes	Corrective Action
Your home appliance and smartphone is not connected to the Wi-Fi network.	The password for the Wi-Fi that you are trying to connect to is incorrect.  Mobile data for your smartphone is turned on.	<ul style="list-style-type: none"> <li>Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on LG SmartThinQ.</li> <li>Find the Wi-Fi network connected to your smartphone and remove it, then register your appliance on LG SmartThinQ.</li> </ul>
	The wireless network name (SSID) is set incorrectly.	<ul style="list-style-type: none"> <li>The wireless network name (SSID) should be a combination of English letters and numbers. (Do not use special characters.)</li> </ul>
	The router frequency is not 2.4 GHz.	<ul style="list-style-type: none"> <li>Only a 2.4 GHz router frequency is supported. Set the wireless router to 2.4 GHz and connect the appliance to the wireless router. To check the router frequency, check with your Internet service provider or the router manufacturer.</li> </ul>
	The distance between the appliance and the router is too far.	<ul style="list-style-type: none"> <li>If the distance between the appliance and the router is too far, the signal may be weak and the connection may not be configured correctly. Move the location of the router so that it is closer to the appliance.</li> </ul>

#### NOTE

- Some functions may not be supported, depending on the model.

Error Code	Possible causes	Corrective Action
E5	The water collection tank is full.	Empty the water collection tank. See the Care and Cleaning section.
E1	Short or open circuit in the indoor air thermistor.	Unplug the air conditioner and contact your authorized LG service center.
E2	Short or open circuit in the indoor pipe thermistor.	Unplug the air conditioner and contact your authorized LG service center.
E3	Short or open circuit in the outdoor pipe thermistor.	Unplug the air conditioner and contact your authorized LG service center.
EA	Software problem.	Unplug the air conditioner and contact your authorized LG service center.



## WARRANTY

# LG PORTABLE AIR CONDITIONER LIMITED WARRANTY - USA

ENGLISH

### WHAT THIS WARRANTY COVERS:

LG Electronics U.S.A., Inc. ("LG") warrants your LG Portable Air Conditioner ("product") against defect in materials or workmanship under normal household use, during the warranty period set forth below, LG will, at its option, repair or replace the product. This limited warranty is valid only to the original retail purchaser of the product, is not assignable or transferable to any subsequent purchaser or user, and applies only when the product is purchased through an LG authorized dealer or distributor and used within the United States ("U.S.") including U.S. Territories.

**Note:** Replacement products and repair parts may be new or factory-remanufactured and are warranted for the remaining portion of the original unit's warranty period or ninety (90) days, whichever is longer. Please retain dated receipt or delivery ticket as evidence of the Date of Purchase for proof of warranty (you may be required to submit a copy to LG or authorized representative).

### WARRANTY PERIOD:

1 year from the Date of Purchase: **Any internal/ functional Parts and Labor.**

### HOW SERVICE IS HANDLED: In-Home Service

In-home service will be provided during the warranty period subject to availability within the United States. In-home service may not be available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, LG may elect, at our option, to provide for transportation of our choice to and from a LG authorized service center.

### THIS LIMITED WARRANTY DOES NOT COVER:

1. Service trips to deliver, pick up, or install the product or for instruction on product use.
2. Replacing house fuses or resetting of circuit breakers, correction of house wiring or plumbing, or correction of product installation.
3. Damage or failure caused by leaky/ broken/ frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage or failure caused by accidents, pests and vermin, lightning, wind, fire, floods or acts of God.
5. Damage or failure resulting from misuse, abuse, improper installation, repair or maintenance. Improper repair includes use of parts not approved or specified by LG.
6. Damage or failure caused by unauthorized modification or alteration to the product.
7. Damage or failure caused by incorrect electrical current, voltage, or plumbing codes.
8. Cosmetic damage, including scratches, dents, chips or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported to LG within seven (7) calendar days from the date of delivery.
9. Damage or missing items to any display, open box, discounted, or refurbished product.
10. Product where the original factory serial numbers have been removed, defaced or changed in any way.
11. Repairs when product is used in other than normal and usual household use (e.g. rental, commercial use, offices, or recreational facilities) or contrary to the instructions outlined in the owner's manual.
12. The removal and reinstallation of the Product if it is installed in an inaccessible location.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING AND WITHOUT LIMITATION TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, THIS WARRANTY IS LIMITED IN DURATION TO THE TERM PERIOD EXPRESSED ABOVE. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CUSTOMER. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING AND WITHOUT LIMITATION TO, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

### HOW TO OBTAIN WARRANTY SERVICE & ADDITIONAL INFORMATION:

Call 1-800-243-0000 or visit our website at [www.lg.com](http://www.lg.com).

**Mail to:** LG Customer Information Center (ATTN: CIC)  
201 James Record Road, Huntsville, AL 35824



## WARRANTY

**ARBITRATION NOTICE:** THIS LIMITED WARRANTY CONTAINS AN ARBITRATION PROVISION THAT REQUIRES YOU AND LG TO RESOLVE DISPUTES BY BINDING ARBITRATION INSTEAD OF IN COURT, UNLESS YOU CHOOSE TO OPT OUT. IN ARBITRATION, CLASS ACTIONS AND JURY TRIALS ARE NOT PERMITTED. PLEASE SEE THE SECTION TITLED "PROCEDURE FOR RESOLVING DISPUTES" BELOW.

### PROCEDURE FOR RESOLVING DISPUTES:

ALL DISPUTES BETWEEN YOU AND LG ARISING OUT OF OR RELATING IN ANY WAY TO THIS LIMITED WARRANTY OR THE PRODUCT SHALL BE RESOLVED EXCLUSIVELY THROUGH BINDING ARBITRATION, AND NOT IN A COURT OF GENERAL JURISDICTION. BINDING ARBITRATION MEANS THAT YOU AND LG ARE EACH WAIVING THE RIGHT TO A JURY TRIAL AND TO BRING OR PARTICIPATE IN A CLASS ACTION.

**Definitions.** For the purposes of this section, references to "LG" mean LG Electronics U.S.A., Inc., its parents, subsidiaries and affiliates, and each of their officers, directors, employees, agents, beneficiaries, predecessors in interest, successors, assigns and suppliers; references to "dispute" or "claim" shall include any dispute, claim or controversy of any kind whatsoever (whether based in contract, tort, statute, regulation, ordinance, fraud, misrepresentation or any other legal or equitable theory) arising out of or relating in any way to the sale, condition or performance of the product or this Limited Warranty.

**Notice of Dispute.** In the event you intend to commence an arbitration proceeding, you must first notify LG in writing at least 30 days in advance of initiating the arbitration by sending a letter to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 1000 Sylvan Ave, Englewood Cliffs 07632. You and LG agree to engage in good faith discussions in an attempt to amicably resolve your claim. The notice must provide your name, address, and telephone number; identify the product that is the subject of the claim; and describe the nature of the claim and the relief being sought. If you and LG are unable to resolve the dispute within 30 days, either party may proceed to file a claim for arbitration.

**Agreement to Binding Arbitration and Class Action Waiver.** Upon failure to resolve the dispute during the 30 day period after sending written notice to LG, you and LG agree to resolve any claims between us only by binding arbitration on an individual basis, unless you opt out as provided below. Any dispute between you and LG shall not be combined or consolidated with a dispute involving any other person's or entity's product or claim. More specifically, without limitation of the foregoing, any dispute between you and LG shall not under any circumstances proceed as part of a class or representative action. Instead of arbitration, either party may bring an individual action in small claims court, but that small claims court action may not be brought on a class or representative basis.

**Arbitration Rules and Procedures.** To begin arbitration of a claim, either you or LG must make a written demand for arbitration. The arbitration will be administered by the American Arbitration Association ("AAA") and will be conducted before a single arbitrator under the AAA's Consumer Arbitration Rules that are in effect at the time the arbitration is initiated (referred to as the "AAA Rules") and under the procedures set forth in this section. The AAA Rules are available online at [www.adr.org/consumer](http://www.adr.org/consumer). Send a copy of your written demand for arbitration, as well as a copy of this provision, to the AAA in the manner described in the AAA Rules. You must also send a copy of your written demand to LG at LG Electronics, USA, Inc. Attn: Legal Department- Arbitration 1000 Sylvan Avenue Englewood Cliffs, NJ 07632. If there is a conflict between the AAA Rules and the rules set forth in this section, the rules set forth in this section will govern. This arbitration provision is governed by the Federal Arbitration Act. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction. All issues are for the arbitrator to decide, except that issues relating to the scope and enforceability of the arbitration provision and to the arbitrability of the dispute are for the court to decide. The arbitrator is bound by the terms of this provision.

**Governing Law.** The law of the state of your residence shall govern this Limited Warranty and any disputes between us except to the extent that such law is preempted by or inconsistent with applicable federal law.

**Fees/Costs.** You do not need to pay any fee to begin an arbitration. Upon receipt of your written demand for arbitration, LG will promptly pay all arbitration filing fees to the AAA unless you seek more than \$25,000 in damages, in which case the payment of these fees will be governed by the AAA Rules. Except as otherwise provided for herein, LG will pay all AAA filing, administration and arbitrator fees for any arbitration initiated in accordance with the AAA Rules and this arbitration provision. If you prevail in the arbitration, LG will pay your attorneys' fees and expenses as long as they are reasonable, by considering factors including, but not limited to, the purchase amount and claim amount. Notwithstanding the foregoing, if applicable law allows for an award of reasonable attorneys' fees and expenses, an arbitrator can award them to the same extent that a court would. If the arbitrator finds either the substance of your claim or the relief sought in the demand is frivolous or brought for an improper purpose (as measured by the standards set forth in Federal Rule of Civil Procedure 11(b)), then the payment of all arbitration fees will be governed by the AAA Rules. In such a situation, you agree to reimburse LG for all monies previously disbursed by it that are otherwise your obligation to pay under the AAA Rules. Except as otherwise provided for, LG waives any rights it may have to seek attorneys' fees and expenses from you if LG prevails in the arbitration.

**Hearings and Location.** If your claim is for \$25,000 or less, you may choose to have the arbitration conducted solely on the basis of (1) documents submitted to the arbitrator, (2) through a telephonic hearing, or (3) by an in-person hearing as established by the AAA Rules. If your claim exceeds \$25,000, the right to a hearing will be determined by the AAA Rules. Any in-person arbitration hearings will be held at a location within the federal judicial district in which you reside unless we both agree to another location or we agree to a telephonic arbitration.

**Opt Out.** You may opt out of this dispute resolution procedure. If you opt out, neither you nor LG can require the other to participate in an arbitration proceeding. To opt out, you must send notice to LG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the product by either: (i) sending an e-mail to [optout@lge.com](mailto:optout@lge.com), with the subject line: "Arbitration Opt Out" or (ii) calling 1-800-980-2973. You must include in the opt out e-mail or provide by telephone: (a) your name and address; (b) the date on which the product was purchased; (c) the product model name or model number; and (d) the serial number (the serial number can be found (i) on the product; or (ii) online by accessing <https://www.lg.com/us/support/repair-service/schedule-repair-continued> and clicking on "Find My Model & Serial Number").

You may only opt out of the dispute resolution procedure in the manner described above (that is, by e-mail or telephone); no other form of notice will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the full benefits of the Limited Warranty. If you keep this product and do not opt out, then you accept all terms and conditions of the arbitration provision described above.



## Memo

ENGLISH





LG ELECTRONICS, INC.  
1000 Sylvan Ave., Englewood Cliffs, NJ 07632

**LG Customer Information Center**

1-800-243-0000

**Register your product Online!**

[www.lg.com](http://www.lg.com)

4050661-01





OWNER'S MANUAL

# LG UltraFine 5K Monitor (For Mac)

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

27MD5KA  
27MD5KB

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# IMPORTANT PRECAUTIONS

Please read these safety precautions carefully before using the product.

## **WARNING**

Failure to follow those warnings may result in death, serious injury or damage to the product or other property.

ENGLISH

## Precautions to the AC Adapter and Electrical Power

## **WARNING**

- If water or any foreign substance goes inside the product (TV, monitor, power cord, or AC adapter), disconnect the power cord immediately and contact the service center.
  - ▶ Otherwise, this may cause a fire or electric shock due to damage to the product.
- Do not touch the power plug or AC adapter with wet hands. If the pins of the plug are wet or dusty, wipe and dry them before use.
  - ▶ Otherwise, this may cause a fire or electric shock.
- Make sure to completely insert the power cord into the AC adapter.
  - ▶ If loosely connected, the poor connection may cause a fire or electric shock.
- Be sure to use power cords and AC adapters provided or approved by LG Electronics, Inc.
  - ▶ The use of non-approved products may cause a fire or electric shock.
- When unplugging the power cord, always pull it by the plug. Do not bend the power cord with excessive force.
  - ▶ The power line can be damaged, which may cause electric shock or fire.
- Be careful not to step or place heavy objects (electronic appliances, clothing, etc.) on the power cord or AC adapter. Be careful not to damage the power cord or AC adapter with sharp objects.
  - ▶ Damaged power cords may cause a fire or electric shock.
- Never disassemble, repair or modify the power cord or AC adapter.
  - ▶ This may cause a fire or electric shock.
- Use only the power cord supplied with the unit or another manufacturer's authorized cord.
  - ▶ Failure to do so may result in fire or electrical shock or damage to the product.
- Use only a properly grounded plug and receptacle.
  - ▶ If you do not you may be electrocuted or injured. Or the product might be damaged.
- Do not use a damaged or loose plug.
  - ▶ This may cause electrical shock or fire.
- Operate the display only from a power source(i.e. voltage) indicated in the product specification.
  - ▶ Otherwise the product can be damaged, fire can occur or you may be electrocuted. If you are not sure what type of power supply you have, consult a certified electrician.
- In the presence of thunder and lightning, never touch the power cord and signal cable because it can be very dangerous.
  - ▶ It can cause electric shock.
- Do not connect several extension cords, electrical appliances or electrical heaters to a single outlet. Use a power bar with a grounding terminal designed for exclusive use with the computer.
  - ▶ A fire can break out due to overheating.
- Do not touch the power plug with wet hands. Additionally, if the cord pin is wet or covered with dust, dry the power plug completely or wipe dust off before plugging in the cord.
  - ▶ You may be electrocuted due to excess moisture.

- If you don't intend to use the product for a long time, unplug the power cable from the product.
  - ▶ Covering dust can cause a fire, or insulation deterioration can cause electric leakage, electric shock or fire.
- Insert the power plug firm so it cannot come loose.
  - ▶ A loose connection can cause fire.
- Do not insert metal or other conductive materials into the product openings. Additionally, do not touch the power cable right after plugging into the wall input terminal.
  - ▶ You may be electrocuted.
- The AC Plug is the disconnecting device. It should be easily accessible in case of emergency.
- Please make sure the device is installed near the wall outlet to which it is connected and that the outlet is easily accessible.
- Be sure to keep the outlet, AC adapter, and pins of the power plug clean from dust and etc.
  - ▶ This may cause a fire.
- Do not unplug the power cord while the product is in use.
  - ▶ Electrical shock can damage the product.
- As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.

## Precautions in installing the Product

### WARNING

- Keep away from heat sources like heaters or open flames.
  - ▶ Electrical shock, fire, malfunction or deformation may occur.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children.
  - ▶ Anti-moisture material is harmful if swallowed. If swallowed by mistake, force the patient to vomit and visit the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.
- Do not put heavy objects on the product or sit upon it.
  - ▶ If the product collapses or is dropped, you may be injured. Children must pay particular attention.
- Do not leave the power or signal cable where someone can trip over it.
  - ▶ The passerby can falter, which can cause electrical shock, fire, product breakdown or injury.
- Install the product in a neat and dry place. Do not use near water.
  - ▶ Dust or moisture can cause electrical shock, fire or product damage.
- Do not add accessories that have not been designed for this display.
- If you smell smoke or other odors or hear a strange sound from the product unplug the power cord and contact LG Customer Service.
  - ▶ If you continue to use without taking proper measures, electrical shock or fire can occur.
- If you dropped the product or the case is broken, turn off the product and unplug the power cord.
  - ▶ If you continue to use without taking proper measures, electrical shock or fire can occur. Contact LG Customer Service.
- Do not drop an object on or apply impact to the product. Do not throw any toys or objects at the product.
  - ▶ It can cause injury to humans, problems to the product and damage the display.
- Keep out of reach of children and do not place toys near the product.
- Make sure the product ventilation hole is not blocked. Install the product more than 10cm from the wall.
  - ▶ If you install the product too close to the wall, it may be deformed or fire can break out due to internal heat build-up.
- Do not cover the product with cloth or other material (eg. plastic) while plugged in.
  - ▶ The product can be deformed or fire can break out due to internal overheating.

- Place the product on a flat and stable surface that is large enough to support the product.
  - ▶ If the product is dropped, you may be injured or the product may be broken.
- Install the product where no Electromagnetic Interference occurs.
- Keep the product away from direct sunlight.
  - ▶ The product can be damaged.
- Do not place the product on the floor.
  - ▶ Small Children and others may trip over it.
- Do not install this product on a wall if it could be exposed to oil or oil mist.
  - ▶ This may damage the product and cause it to fall.
- For displays with glossy bezels the user should consider the placement of the display as the bezel may cause disturbing reflections from surrounding light and bright surfaces.

## Precautions in Moving the Product



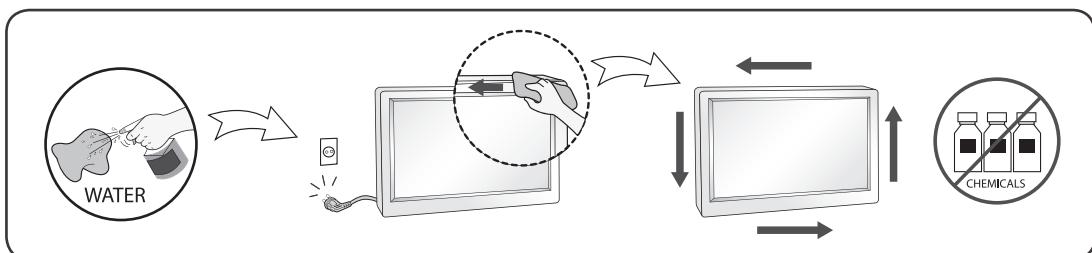
### WARNING

- Make sure to turn off the product.
  - ▶ You may be electrocuted or the product can be damaged.
- Make sure to remove all cables before moving the product.
  - ▶ You may be electrocuted or the product can be damaged.
- When lifting or moving the product, do not hold it upside down while holding only the stand.
  - ▶ This may cause the product to fall resulting in damage or injury.
- Do not shock the product when moving it.
  - ▶ You may be electrocuted or the product can be damaged.
- Make sure the panel faces forward and hold it with both hands to move.
  - ▶ If you drop the product, the damaged product can cause electric shock or fire.
- Do not place the product face down.
  - ▶ This may damage the TFT-LCD screen.

## Precautions in Using/Cleaning the Product

### **⚠ WARNING**

- Do not attempt to disassemble, repair or modify the product yourself.
  - ▶ Fire or electric shock can occur.
  - ▶ Contact LG Customer Service for repair.
- When cleaning the product, unplug the power cord and scrub gently with a soft cloth to prevent scratching. Do not clean with a wet cloth or spray water or other liquids directly onto the product. An electric shock may occur. (Do not use chemicals such as benzene, paint thinners or alcohol)
  - Keep the product away from water.
    - ▶ Fire or electric shock accident can occur.
  - Avoid high temperatures and humidity.
  - Do not put or store flammable substances near the product.
    - ▶ There is a danger of explosion or fire.
  - Keep the product clean at all times.
  - Take a comfortable and natural position when working with the product.
  - Take a regular break when working with the product for a long time.
  - Do not press on the panel with a hand or sharp object such as nail, pencil or pen, or make a scratch on it.
  - Keep proper distance from the product and rest from time-to-time.
    - ▶ Your vision may be impaired if you look at the product too closely or for too long.
  - Set the appropriate resolution by referring to the User's Guide.
  - Keep small accessories out of the reach of children.
  - Displaying a still image for long time on the monitor may leave persistent image or stain on the monitor screen. To avoid this problem, use a screen saver and power off when this product is not used. Persistent image or stain caused by long time usage are not covered by the warranty on this product.
  - Do not use products using high voltage around the Monitor (ex. Electrical Swatter)
    - ▶ Monitor may have malfunction as its electrical shock.
  - Spray water onto a soft cloth 2 to 4 times, and use it to clean the front frame; wipe in one direction only. Too much moisture may cause staining.



# LICENSE

Each model has different licenses. Visit [www.lg.com](http://www.lg.com) for more information on the license.

ENGLISH



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Mac and the Mac logo are trademarks of Apple Inc., registered in the U.S. and other countries.

\* USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

# ASSEMBLING AND PREPARING

## CAUTION

- Always use genuine LG components to ensure safety and product performance.
- The product warranty will not cover damage or injury caused by the use of unauthorized components.
- It is recommend that use the supplied components.
- If you use generic cables not certified by LG, the screen may not display or there may be image noises.

## NOTE

- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping site, or contact the retailer from which you purchased the product.
- The power cord provided may differ depending upon the region.

## Supported Software

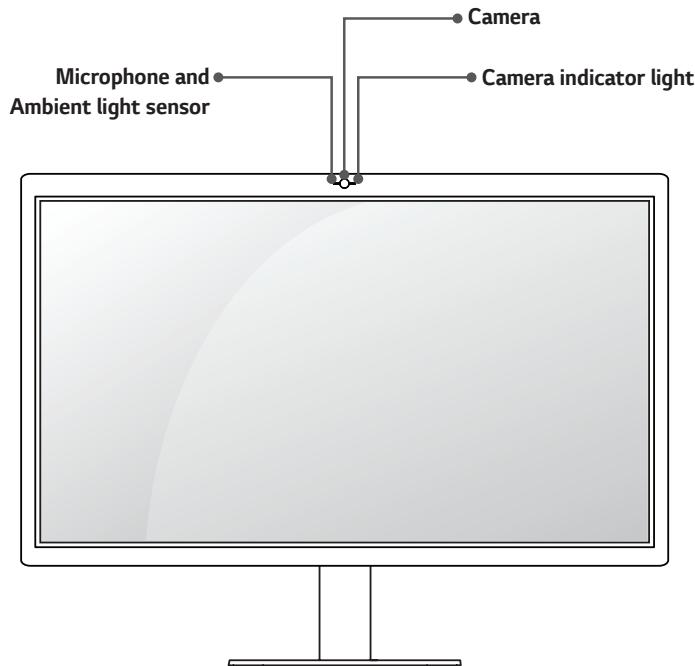
Check the software supported by your product.

Software	Installation Priority	27MD5KA, 27MD5KB
LG Screen Manager 	Recommended	0

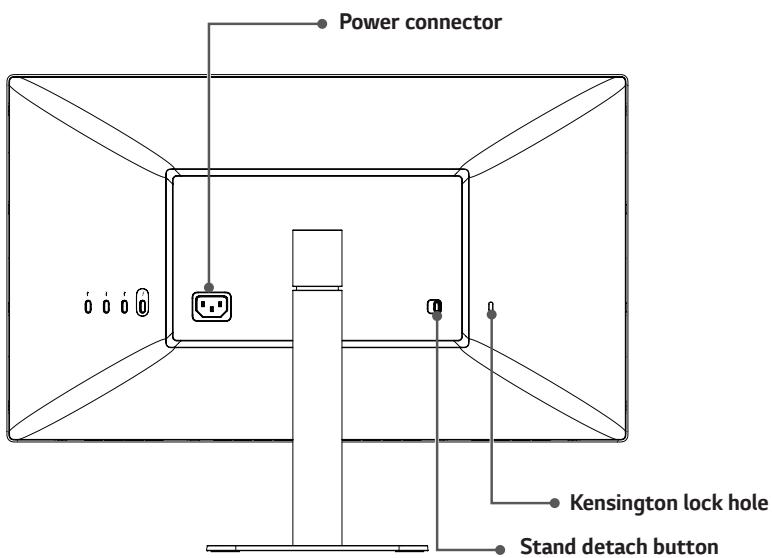
- LG Screen Manager is an application that provides ScreenSplit and monitor software update features.
- You can download and install the latest version from the LGE website ([www.lg.com](http://www.lg.com)).

## Product Description

Front



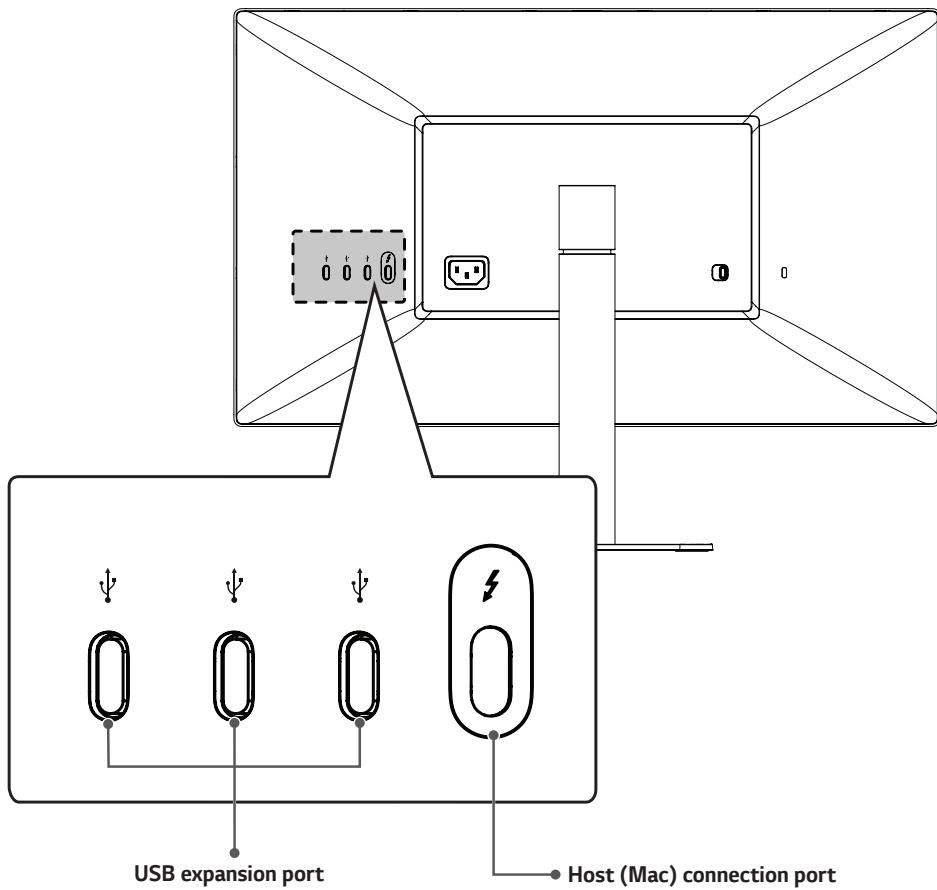
Back



### NOTE

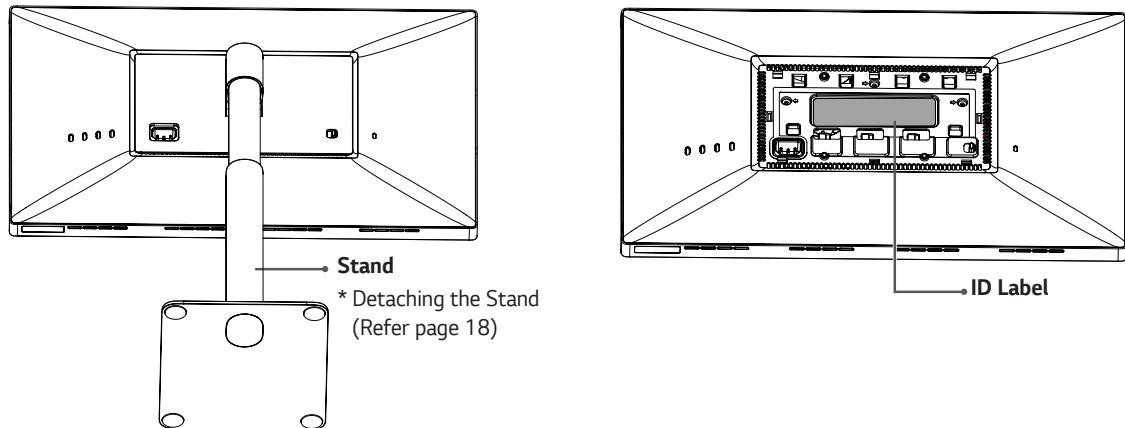
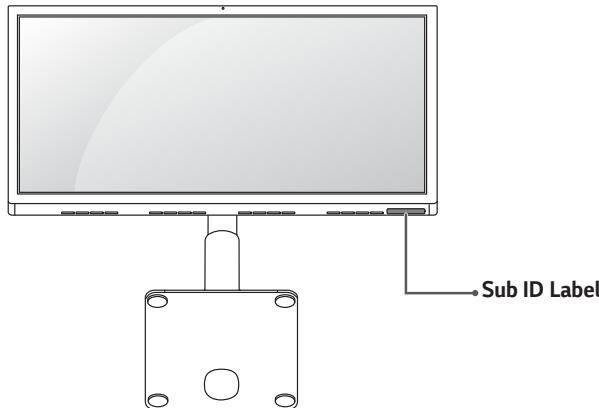
- Camera: Built-in USB Camera
- Microphone: Built-in USB Microphone
- The ambient light sensor is for auto brightness control of display and can be controlled by Mac OS. (Refer page 25)

## Input Connector



## ID Label / Sub ID Label

You can view the monitor's ID Label and Sub ID Label.



### **NOTE**

- ID Label: the monitor's standard ID label that states model name, production date, country of production, specifications, etc.
- Sub ID Label: a secondary ID label that states only the model name and basic specifications

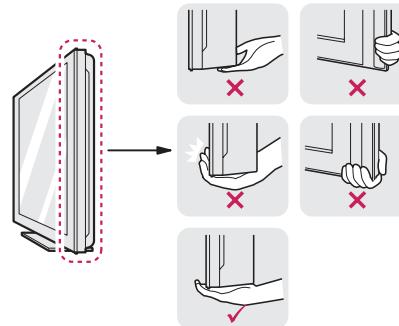
### **CAUTION**

- To view the ID Label, you must detach the stand.

## Moving and Lifting the Monitor

When moving or lifting the monitor, follow these instructions to prevent the monitor from being scratched or damaged and to ensure safe transportation, regardless of its shape or size.

- Place the monitor in the original box or packing material before attempting to move it.
- Before moving or lifting the monitor, disconnect the power cord and all other cables.
- Hold the bottom and side of the monitor frame firmly. Do not hold the panel itself.



- When holding the monitor, the screen should face away from you to prevent it from being scratched.
- When transporting the monitor, do not expose the monitor to shock or excessive vibration.
- When moving the monitor, keep it upright and never turn the monitor on its side or tilt it sideways.



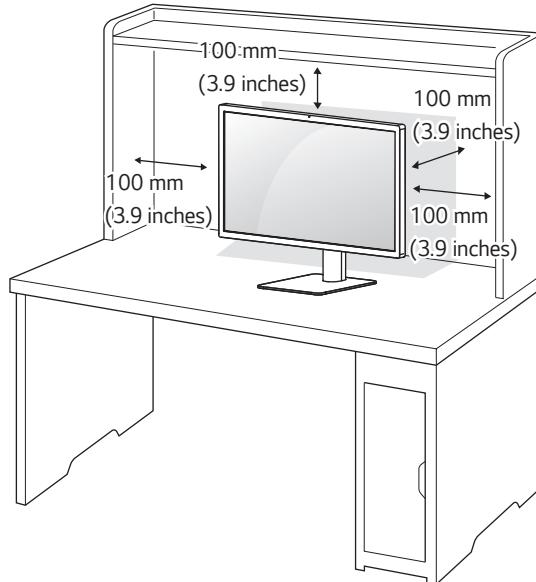
### CAUTION

- Avoid touching the monitor screen as much as possible.  
- This may result in damage to the screen or some of the pixels used to create images.

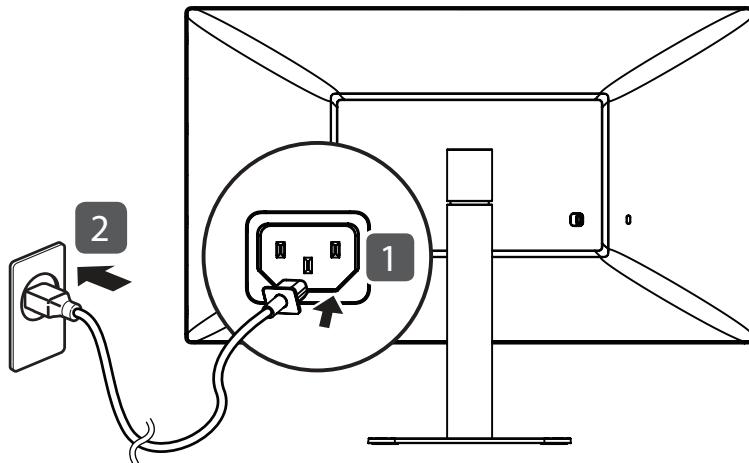


## Installing on a Table

- 1 Lift the monitor and place it on the table in an upright position. Place the monitor at least 100 mm (3.9 inches) away from the wall to ensure sufficient ventilation.

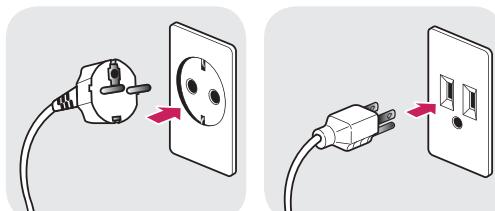


- 2 Connect the power cord to the monitor and then plug the power cord into the wall outlet.



### CAUTION

- Unplug the power cord before moving or installing the monitor. There is risk of electric shock.

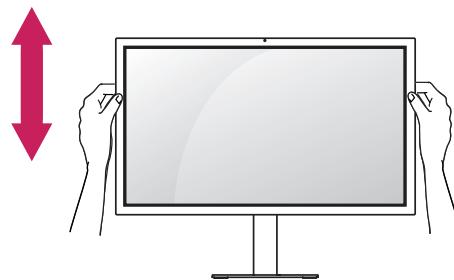
**Cautions When Connecting Power Cord**

100-240 V ~

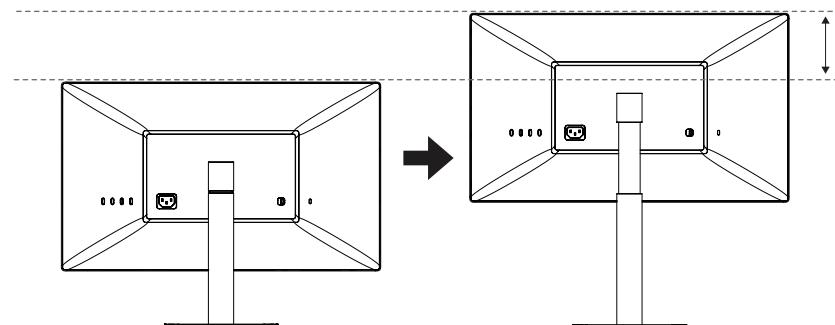
- Make sure to use the power cord that is provided in the product package and connect it to a grounded power outlet.
- If you need another power cord, please contact your local dealer or the nearest retail store.

**Adjusting the Stand Height**

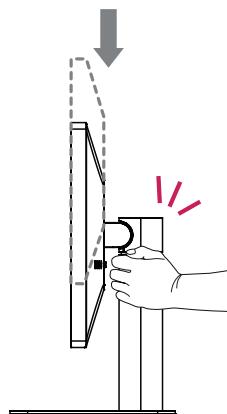
- 1 Place the monitor mounted on the stand base in an upright position.
- 2 Handle the monitor with both hands for safety.



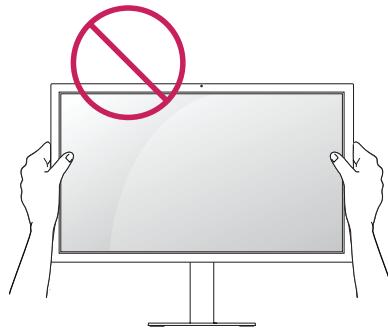
Max 110.0 mm (4.3 inches)



**⚠️ WARNING**



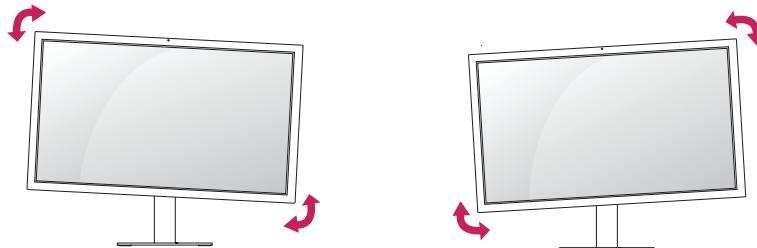
- When adjusting the screen height, do not place your hand on the stand body to avoid injury to your fingers.



- Be careful not to touch or press the screen area when adjusting the angle of the monitor.

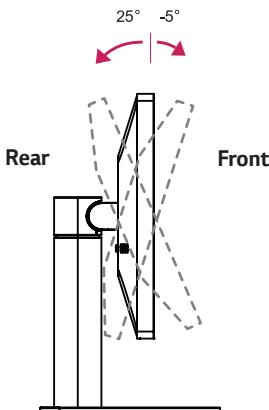
**⚠️ NOTE**

- The left or right side of the monitor head can be slightly rotated up or down. Adjust the horizontal level of the monitor head.



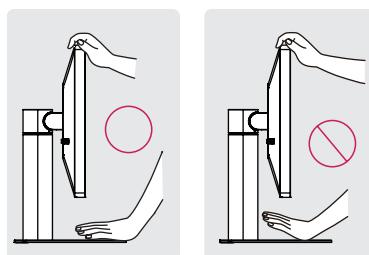
## Adjusting the Angle

- 1 Place the monitor in an upright position, mounted on the stand base.
- 2 Adjust the angle of the screen. The angle of the screen can be adjusted forwards or backwards for a comfortable viewing experience.



### **⚠️ WARNING**

- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.

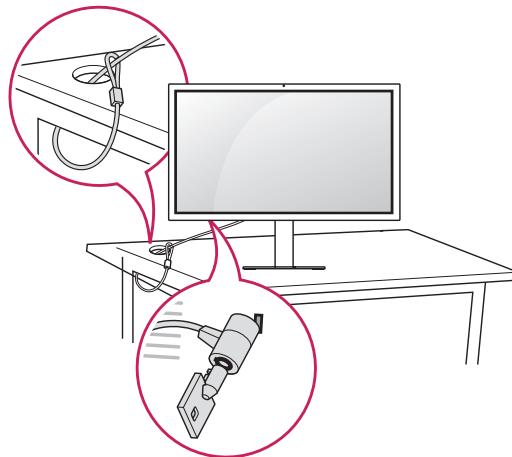
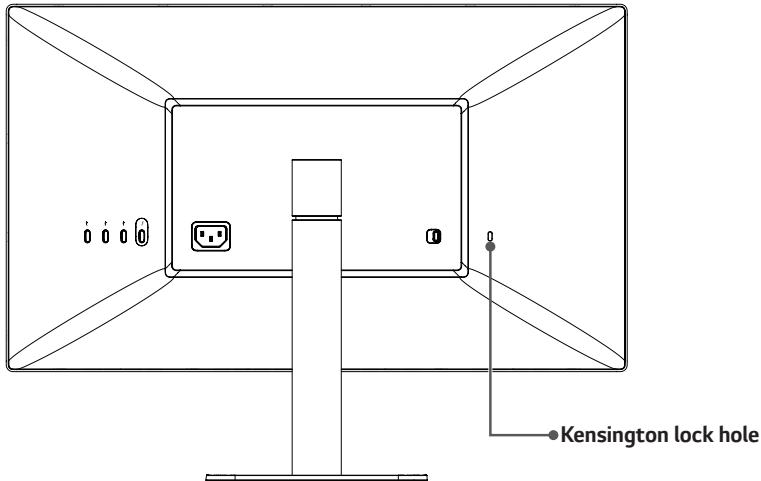


## Using the Kensington Lock

The connector for the Kensington security system is located at the bottom of the monitor.

For more information on installation and usage, refer to the Kensington lock owner's manual or visit the website at <http://www.kensington.com>.

Connect the monitor to a table using the Kensington security system cable.

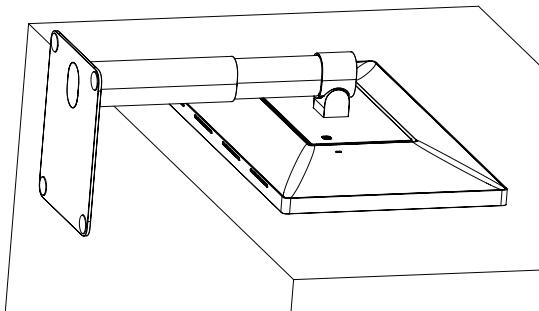


### **!** NOTE

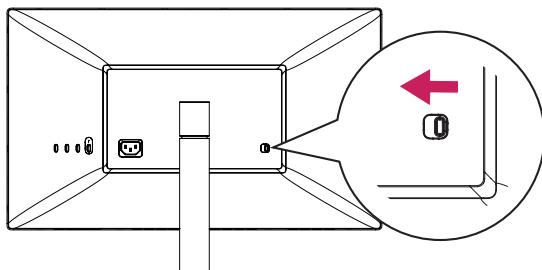
- The Kensington security system is optional. You can obtain optional accessories from most electronics stores.

## Detaching the Stand

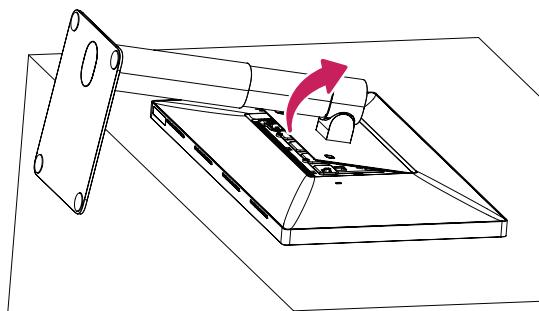
- 1 Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.



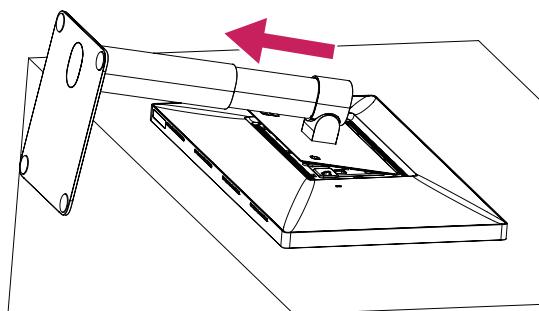
- 2 Push the Detach button on the back of the monitor to the left.



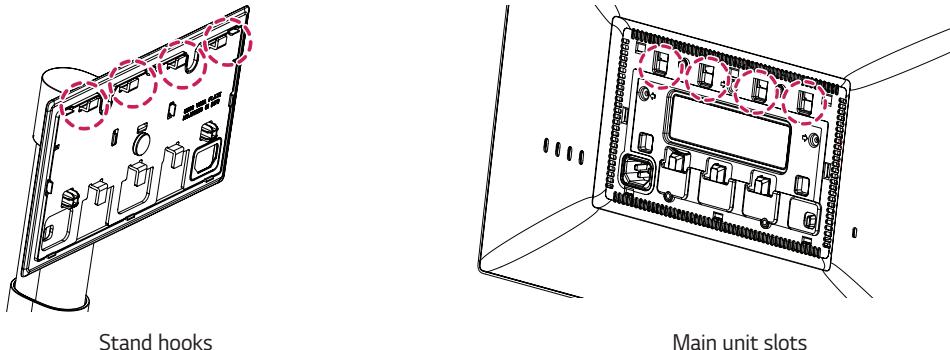
- 3 Lift up the stand, slightly rotating it.



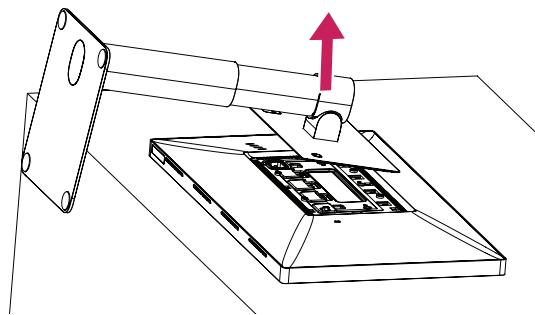
- 4 Pull the stand away from the monitor in its rotated position.



- 5 Check whether the hooks on the stand are separated from the slots of the main unit.



- 6 Remove the stand once the hooks on the stand have been released from the slots of the main unit.

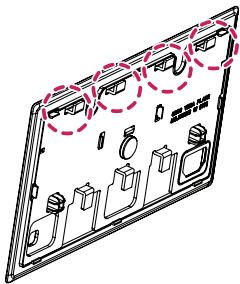


 **CAUTION**

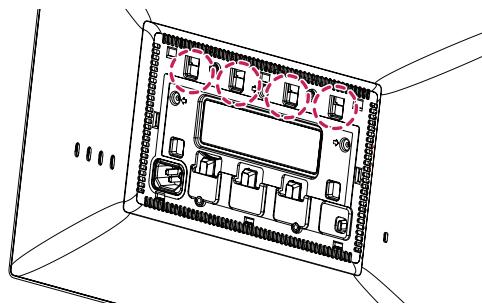
- Be careful not to drop the stand while detaching it.

## Attaching the VESA design cover

- 1 Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.

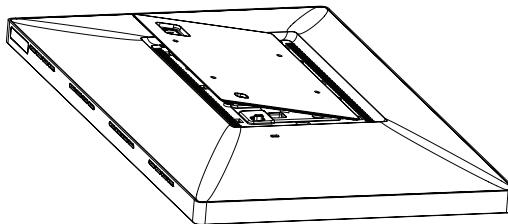


VESA design cover hooks

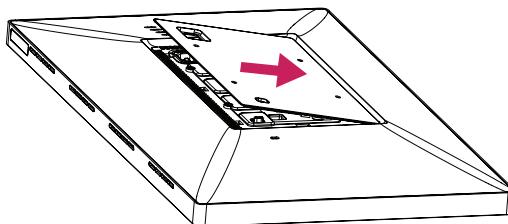


Main unit slots

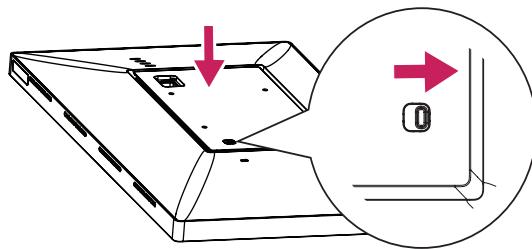
- 2 Place the VESA design cover on the monitor in a slightly slanted position so its hooks can be inserted to the slots of the main unit.



- 3 Push the VESA design cover in the slanted position until it touches the other side.



- 4 Push down on the VESA design cover.

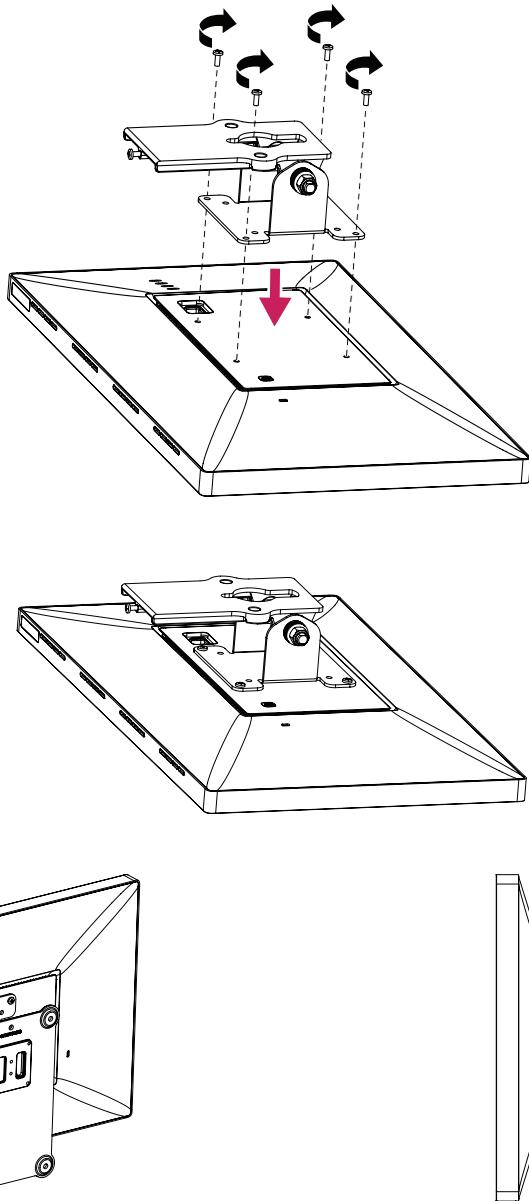


 **CAUTION**

- Check whether the detach button has been pushed to the right after attaching the VESA design cover. If the button has not been pushed to the right, push it into position with your hands.

## Installing the Wall Mount Bracket

- 1 Place the monitor's screen face down. To protect the screen from scratches, cover the surface with a soft cloth.
- 2 Use four screws to attach the wall mount bracket. (Standard screws: M4 x L10)

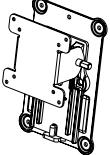


## NOTE

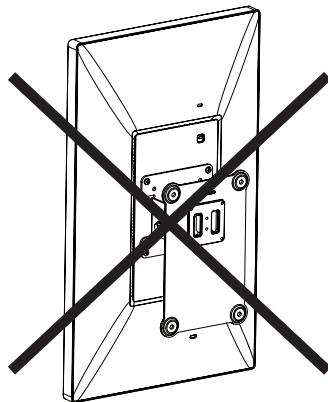
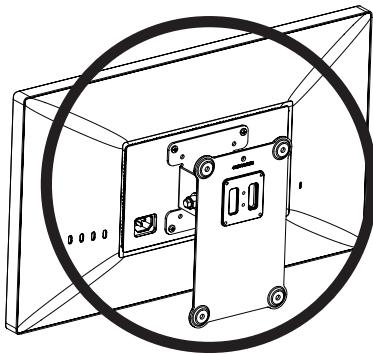
- Install the monitor at least 100 mm (3.9 inches) away from the wall on each side of the monitor to ensure sufficient ventilation.
- The wall mount bracket and the wall mount bracket screws are not included.

## CAUTION

- Be sure to attach the VESA design cover before attaching the wall mount bracket.
- If you use screws longer than the standard length, it may damage the inside of the product.

<b>Wall Mount (mm)</b>	100 x 100
<b>Standard screw</b>	M4 x L10
<b>Number of screws</b>	4
<b>Wall Mount Plate (Optional)</b>	RW120 

- Vertical orientation is not recommended.



# MAKING CONNECTIONS

Make sure to use the supplied cable. Otherwise, this may cause the device to malfunction. Some of the cables are not provided.

## CAUTION

- Do not press the screen for a prolonged time. This may cause image distortion.
- Do not display a still image on the screen for a prolonged time. This may cause image retention. Use a screensaver if possible.
- The plugs of the cable may become hot during operation. Do not touch the plug for a long time.

## NOTE

- When connecting the power cord to the outlet, use a grounded (3-hole) power strip or a grounded power outlet.
- The monitor may flicker when turned on in an area where the temperature is low. This is normal.
- Sometimes red, green, or blue spots may appear on the screen. This is normal.

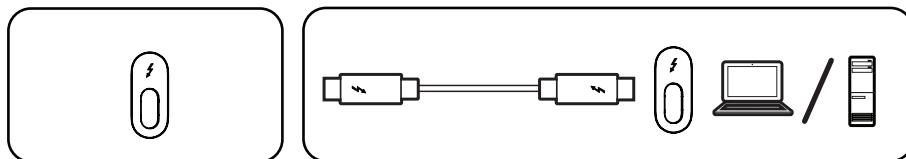
## Connecting to a host

- This monitor supports the \*Plug and Play feature.

\* Plug and Play: A feature that allows you to add a device to your computer without having to reconfigure anything or install any manual drivers.

### Thunderbolt™ 3 connection

Please connect a Thunderbolt™ 3 host.



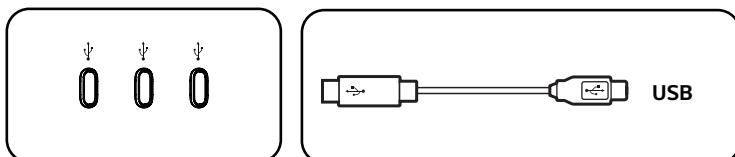
## NOTE

- PD (Power Delivery) is supported via Thunderbolt™ 3 port.
- Features may not work properly depending on the connected device's specifications and the environment.
- Thunderbolt™ 3 port is not for the Monitor Power source but for a PC power source.

Connect the Power cord to supply power to the Monitor.

## Connecting to USB Device

Power Delivery 5 V/1.5 A is supported via the USB-C expansion port.



## NOTE

- Peripheral devices are sold separately.

# TROUBLESHOOTING

<b>Nothing is displayed on the screen.</b>	
Is your monitor connected to your Mac?	<ul style="list-style-type: none"> <li>• Connect your monitor to your Mac. The monitor will turn on automatically if the PC is operating normally.</li> </ul>
Is the monitor's power cord plugged in?	<ul style="list-style-type: none"> <li>• Check if the power cord is correctly plugged into the power outlet.</li> </ul>

<b>The screen retains an image.</b>	
Does image sticking occur even when the monitor is turned off?	<ul style="list-style-type: none"> <li>• Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.</li> <li>• To extend the lifetime of the monitor, use a screensaver.</li> </ul>

<b>Screen display is unstable and shaky. / Images displayed on the monitor leave shadow trails.</b>	
Did you select the appropriate resolution?	<ul style="list-style-type: none"> <li>• Set your monitor to the recommended (optimal) resolution.</li> <li>• Update your Mac OS or driver to the latest version.</li> </ul>

## NOTE

- Vertical Frequency: In order to display an image, the screen must be refreshed dozens of times per second, like a fluorescent lamp. The number of times the screen is refreshed per second is called vertical frequency, or refresh rate, and is represented by Hz.
- Horizontal Frequency: The time it takes to display one horizontal line is called the horizontal cycle. If 1 is divided by the horizontal interval, the result is the number of horizontal lines displayed per second. This is called horizontal frequency and is represented by kHz.
- Not setting the graphics card to the recommended (optimal) resolution may result in blurred text, a dimmed screen, a truncated display area or misalignment of the display.
- The setting methods may be different depending on the computer or operating system, and some resolutions may not be available depending on the performance of the graphics card. If this is the case, contact the manufacturer of the computer or graphics card for assistance.
- Some graphics cards may not support 5120 × 2880 resolution. If the resolution cannot be displayed, contact the manufacturer of your graphics card or Mac, please update your OS or driver to the latest version.

<b>The display color is abnormal.</b>	
Does the display color appear unstable or monochrome?	<ul style="list-style-type: none"> <li>• Check if the signal cable is connected properly. Reconnect the cable or reinsert the PC's graphics card.</li> </ul>
Are there spots on the screen?	<ul style="list-style-type: none"> <li>• When using the monitor, pixilated spots (red, green, blue, white, or black) may appear on the screen. This is normal for an LCD screen. It is not an error, nor is it related to the monitor's performance.</li> </ul>

<b>The brightness cannot be adjusted. The ALS (Ambient Light Sensor) does not work.</b>	
Have you updated Mac OS or Host for this operation?	<ul style="list-style-type: none"> <li>• The ambient light sensor operates in accordance with Mac OS. Some Mac OS doesn't support the display ALS(Ambient Light Sensor).</li> <li>• You can also adjust the monitor brightness by controlling the menu or hot key of a host manually.</li> </ul>

# PRODUCT SPECIFICATION

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

LCD Screen	Type	TFT (Thin Film Transistor) LCD (Liquid Crystal Display) Screen	
	Color Depth	Thunderbolt™ 3 (⚡)	10-bit color is supported.
	Pixel Pitch	0.11625 mm x 0.11625 mm	
Resolution	Max Resolution	5120 x 2880 @ 60 Hz	
	Recommended Resolution		
Video Signal	Horizontal Frequency	88 kHz to 178 kHz	
	Vertical Frequency	48 Hz to 60 Hz	
	Synchronization	Separate Sync.	
Input Connector	Thunderbolt™ 3 (⚡), USB Type-C™ expansion x 3		
Power Sources	Power Rating	100 - 240 V~ 50/60 Hz 2.0 A	
	Power Consumption (Typical)	On Mode: 140 W (Typical, USB excluded) (Outgoing condition)* 45.65 W (ENERGY STAR® standard)** Sleep Mode: ≤ 1.2 W (No Power Delivery, No USB Expansion) Off Mode: ≤ 0.5 W (No cable connection to host and USB expansion)	
Stand Angle	Forward/Backward: -5° to 25° (Head)		
Environmental Conditions	Operating Conditions	Temperature	0 °C to 40 °C (32 °F to 104 °F)
		Humidity	Less than 80 %
	Storing Conditions	Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
		Humidity	Less than 85 %
Speaker	Stereo Speakers		
Camera	Built-in USB Camera		
Microphone	Built-in USB Microphone		

Dimensions	Monitor Size (Width x Height x Depth)		
	With Stand	625.6 x 464.4 x 239.9 (mm) (24.6 x 18.2 x 9.4 (inches))	
	Without Stand	625.6 x 375.1 x 53.8 (mm) (24.6 x 14.7 x 2.1 (inches))	
Weight (Without Packaging)	With Stand	8.5 (18.7) (kg (lbs))	
	Without Stand	6.4 (14.1) (kg (lbs))	

\* The On Mode of Power Consumption is measured with LGE test standard. (Full White pattern, Maximum resolution)

\*\* The Power Consumption level can be different by operating condition and monitor setting.

\*\* The On Mode of Power Consumption is measured with ENERGY STAR® test standard.

## Signal Timing

Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Polarity (H/V)	Remarks
2560 x 1440	88.86	60	+/-	
3200 x 1800	111.12	60	+/-	
3840 x 2160	133.32	60	+/-	
4096 x 2304	142.2	60	+/-	
5120 x 2880	177.72	60	+/-	Main Recommended Timing



#### Declaration of Conformity

Trade Name: LG

Model: 27MD5KA, 27MD5KB

Responsible Party: LG Electronics Inc.

Address: 1000 Sylvan Ave. Englewood Cliffs NJ 07632  
U.S.A

TEL: 201-266-2534



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 ENERGYSTAR.gov for more information on the ENERGY STAR® program.

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>.

In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for three (3) years from the date on which you purchased the product.

Make sure to read the Safety Precautions before using the product. Please note that the label attached to the product provides information for technical support.

Model \_\_\_\_\_

Serial No. \_\_\_\_\_



ENGLISH | ESPAÑOL

# OWNER'S MANUAL

# AIR CONDITIONER

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

TYPE : PORTABLE AIR CONDITIONER

MODEL : LP1015WNR

# INTRODUCTION

## IMPORTANT SAFETY INSTRUCTIONS

Basic Safety Precautions .....	3 - 6
Electrical Safety.....	6

## PARTS AND FEATURES

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--------------------------------	---

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Control Panel and Remote .....	11,12

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Attaching the Hose and Diffuser .....	14
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## THANK YOU!

Congratulations on your purchase  
and welcome to the LG family.

Your new LG Air Conditioner  
combines high-efficiency operation  
with portable convenience.

If you follow the operating and care  
instructions in this manual, your air  
conditioner will provide you with  
many years of reliable service.

# IMPORTANT SAFETY INSTRUCTIONS

## BASIC SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

**⚠ WARNING** This symbol indicates the possibility of death or serious injury.

**⚠ CAUTION** This symbol indicates the possibility of injury or damage to properties only.

■ Meanings of symbols used in this manual are as shown below.



**Be sure not to do.**



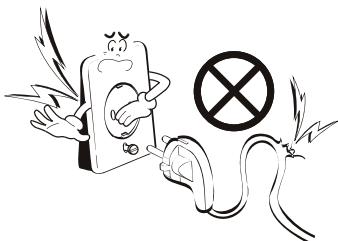
**Be sure to follow the instruction.**

## ⚠ WARNING

### ■ Installation

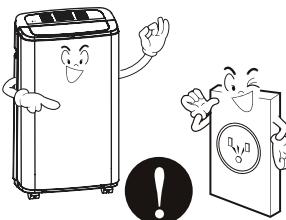
**Don't use a power cord, a plug, or a loose socket which is damaged.**

- Otherwise, it may cause a fire or electrical shock.



**Always plug into a grounded outlet.**

- Otherwise, it may cause a fire or electrical shock.



**Do not modify or extend the power cord length.**

- It will cause electric shock or fire due to heat generation.



**Do not disassemble or modify products.**

- It may cause failure and electric shock.



**Be caution when unpacking and installing.**

- Sharp edges may cause injury.



**Do not store flammables like gasoline, benzene, thinner, etc. near the air conditioner.**

- It may cause explosion or fire.



# IMPORTANT SAFETY INSTRUCTIONS

## ■ Operation

**Do not place heavy object on the power cord and take care so that the cord should not be pressed.**

- There is danger of fire or electric shock.



**Do not share the outlet with other appliances.**

- It will cause electric shock or fire due to heat generation.



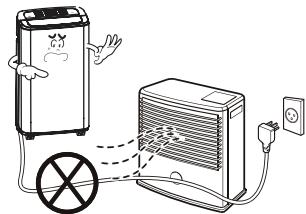
**Take the power plug out if necessary, holding the head of the plug and do not touch it with wet hands.**

- Otherwise, it may cause a fire or electrical shock.



**Do not place the power cord near a heater.**

- It may cause fire and electric shock.



**Do not allow water to run into electric parts.**

- It will cause failure of machine or electric shock.



**Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.**

- The appearance of the air conditioner may deteriorate, change color, or develop surface flaws.



**Unplug the unit if strange sounds, odors, or smoke come from it.**

- Otherwise it may cause fire and electric shock accident.



**Turn off the power and breaker first when cleansing the unit.**

- Since the fan rotates at high speed during operation, it may cause injury.

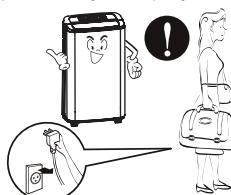


**If water enters the product, turn off the power switch of the main body of appliance. Contact service center after taking the power-plug out from the socket.**



**Unplug the unit when not using it for a long time.**

- Prevent accidental startup and the possibility of injury.



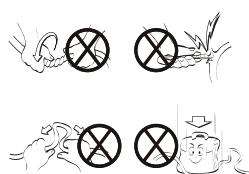
**Do not operate or stop the unit by inserting or pulling out the power plug.**

- It will cause electric shock or fire due to heat generation.



**Do not damage or use an unspecified power cord.**

- It will cause electric shock or fire.



# IMPORTANT SAFETY INSTRUCTIONS

**Do not operate with wet hands or in damp environment.**

- It will cause electric shock.



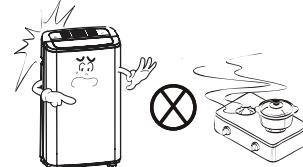
**Hold the plug by the head (not the cable) when taking it out.**

- It may cause electric shock and damage.



**When gas leaks, open the window for ventilation before operating the unit.**

- Otherwise, it may cause explosion, and a fire.



For inner cleaning, contact an Authorized Service Center or a dealer.

Do not use harsh detergent that causes corrosion or damage on the unit.

Harsh detergent may also cause failure of product, fire, or electric shock.

## California Safe Drinking Water and Toxic Enforcement Act

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

## CAUTION

### ■ Operation

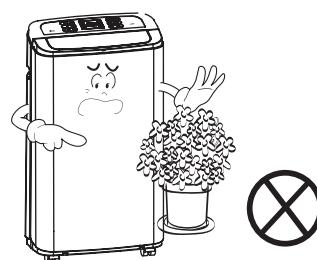
**Do not use this appliance for special purposes such as cooling pets, foods, precision machinery, or objects of art**

- It is an air conditioner, not a precision refrigeration system.



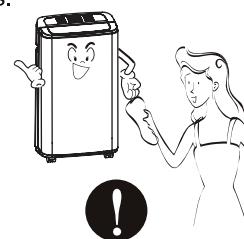
**Do not block the inlet or outlet of air flow.**

- It may cause product failure.



**Use a soft cloth to clean. Do not use wax, thinner, or a strong detergent.**

- The appearance of the air conditioner may deteriorate, change color, or develop surface flaws.



**Do not step on the indoor/outdoor unit and do not put anything on it.**

- It may cause an injury through dropping of the unit or falling down.



**Always insert the filter securely. Clean it every two weeks.**

- Operation without filters will cause failure.



**Do not drink water drained from air conditioner.**

- It contains contaminants and will make you sick.



# IMPORTANT SAFETY INSTRUCTIONS

If the liquid from the battery gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the battery has leaked.

- The chemicals in battery could cause burns or other health hazards.



If you eat the liquid from the battery, brush your teeth and see doctor. Do not use the remote if the battery has leaked.

- The chemicals in battery could cause burns or other health hazards.



## ELECTRICAL SAFETY

### ⚠ WARNING

#### Electrical Shock Hazard

Failure to follow these instructions can result in death, fire, or electrical shock.

- This unit must be properly grounded.
- Do not, under any circumstances, cut or remove the ground prong.
- If you do not have a properly grounded outlet, or if there is any doubt that the outlet is not properly grounded, a qualified electrician should check the outlet and circuit, and, if necessary, install a properly grounded outlet.

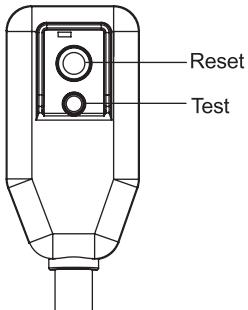
- This air conditioner must be plugged into a grounded 60 Hz, 120 VAC outlet protected by a 15 amp time delay fuse or circuit breaker.
- This air conditioner must be installed in accordance with national wiring codes.
- Do not alter or modify the plug or cord of this air conditioner. If the power cord becomes worn or damaged, the cord should only be replaced by a qualified service technician using genuine replacement parts.
- Do not use an extension cord.

# IMPORTANT SAFETY INSTRUCTIONS

## READ ALL INSTRUCTIONS BEFORE USE

### ELECTRICAL SAFETY

#### **INTEGRATED CIRCUIT BREAKER**

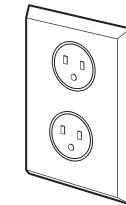
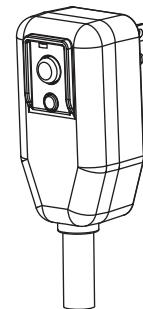


For additional safety, the power cord features an integrated circuit breaker. Test and reset buttons are provided on the plug case.

The circuit breaker should be tested periodically by pressing the TEST button.

button then the RESET button. If the TEST button does not cause the circuit breaker to trip, or if the RESET button will not stay engaged, unplug the air conditioner immediately and contact your LG service technician.

#### **PREFERRED GROUNDING METHOD**



Ensure proper ground exists before use.

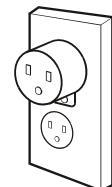
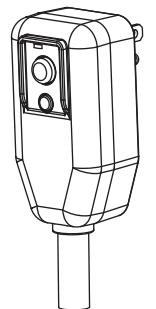
#### **Due to potential safety hazards, the use of an adapter plug is strongly discouraged.**

For temporary connections, use only a UL-listed adapter. Ensure that the large slot in the adapter is aligned with the large slot in the outlet.

To prevent damage to the adapter's ground terminal, hold the adapter in place while plugging in or unplugging the air conditioner.

- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.

#### **TEMPORARY GROUNDING METHOD**



Ensure proper ground exists before use.

- Frequent connection and disconnection can damage the ground terminal on the adapter. Never use a broken or damaged adapter.

## SAVE THESE INSTRUCTIONS

# PARTS AND FEATURES

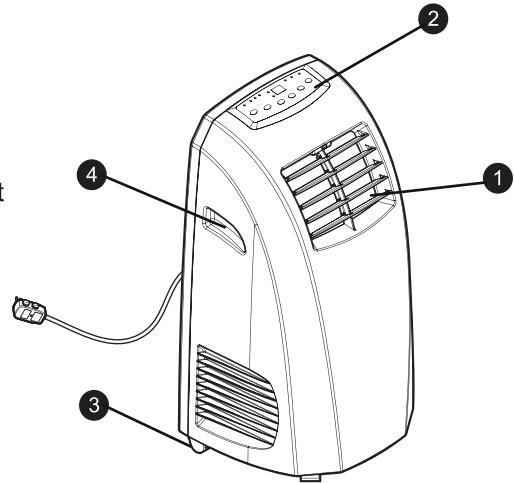
## KEY PARTS AND COMPONENTS

### ① AIR DISCHARGE

The direction of air can be controlled wherever you want to cool by adjusting the horizontal louver.

The horizontal direction is adjusted by moving the lever to the left or right.

Touching the horizontal louvers adjusts the air direction up or down.



### ② CONTROL PANEL AND DISPLAY

Easy-to-read digital display shows the set temperature and indicator lights show the operating mode. Simple push buttons make changing settings quick and easy.

### ③ SWIVELING CASTERS

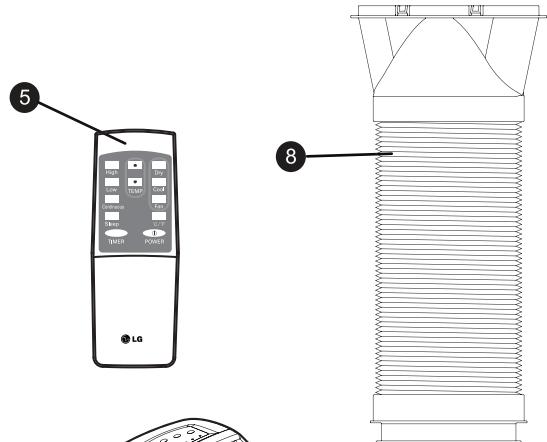
Swiveling casters allow you to move the air conditioner easily on most floor surfaces.

### ④ INTEGRATED HANDLES

Integrated handles provide a convenient grip when lifting the air conditioner.

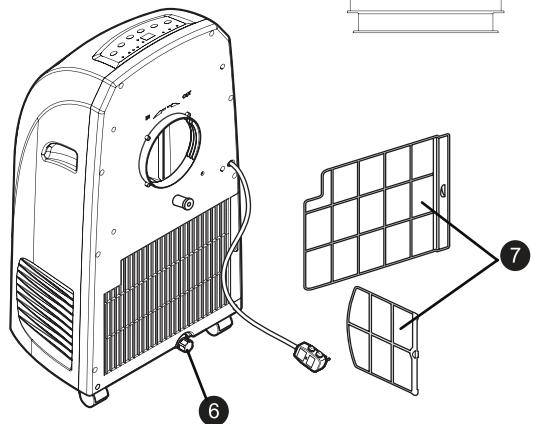
### ⑤ INFRARED REMOTE CONTROLLER

The remote controller allows you to adjust the temperature and operate most functions of the air conditioner from across the room.



### ⑥ BOTTOM DRAIN PORT

Before moving the air conditioner, drain the internal water in the collection tank completely by using bottom drain port.



### ⑦ AIR FILTER

### ⑧ HOSE AND DIFFUSER

Use the diffuser and hose to connect the air conditioner to the window installation kit to vent exhaust air outside.

## BEFORE USING YOUR AIR CONDITIONER

### ***PREPARING FOR OPERATION***

Refer to the Installation Instructions included in this manual before using the air conditioner. Once the air conditioner has been properly assembled and installed:

- 1 Plug the power cord into its own dedicated properly grounded outlet. Do not plug other appliances into the same outlet; it could overload the outlet and create a fire hazard.
- 2 Make sure the air conditioner and cord is positioned where it does not create a tripping hazard and will receive adequate ventilation. Do not place it directly next to furniture or objects that could block the vent openings.
- 3 Make sure that any items that could be blown over or damaged by the airflow from the fan are out of the airflow path.

### ***IMPORTANT:***

- Do not remain in the direct airflow from the air conditioner for extended periods of time.
- When used at the same time as stoves, fireplaces, and other combustion devices, make sure there is a sufficient flow of fresh air into the room. Do not use in tightly enclosed spaces with these types of devices.
- This air conditioner is intended for household use as a consumer comfort appliance. Do not use it as a precision climate control system, or for purposes such as cooling precision equipment, food, pets, plants, artwork, etc. Such items could be damaged.
- Do not bend the hose downward when window installation kit is not applied. It may cause failure of air conditioner or performance deterioration.

### ***UNPACKING THE AIR CONDITIONER***

Remove and store packing materials for reuse. Remove any shipping tape before using the air conditioner. If the tape leaves behind any adhesive, rub a small amount of liquid dish soap onto it and wipe with a damp cloth. Do NOT use sharp instruments, alcohol, thinners, or abrasive cleaners to remove adhesive. They could damage the finish.

# HOW TO USE

## BEFORE USING YOUR AIR CONDITIONER

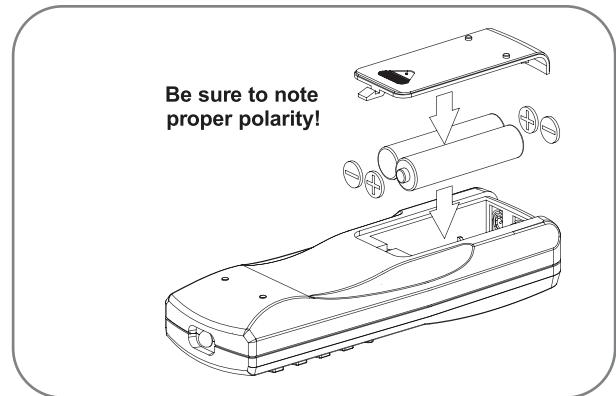
### INSERTING BATTERIES IN THE REMOTE

Before using your remote, install the provided AAA batteries.

- 1 Press and glide the battery cover on the back of the remote, then you can remove the cover.
- 2 Insert two new alkaline AAA batteries into the battery compartment, being sure to note the proper polarity.
- 3 Reattach the battery cover.

#### NOTE :

- Use only alkaline batteries. Do not use rechargeable batteries.
- When replacing batteries, always replace both batteries with new batteries. Do not mix old and new batteries.
- If the air conditioner will not be used for an extended period of time, remove the batteries from the remote.

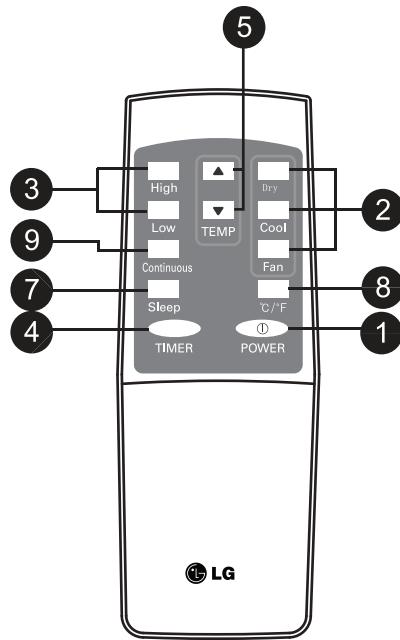
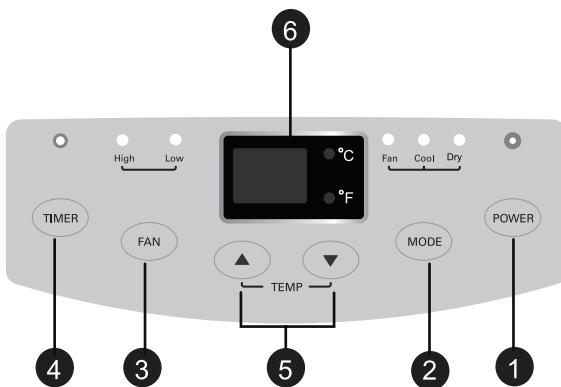


### ⚠ CAUTION

- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.
- If you eat the liquid from the batteries, brush your teeth and see doctor. The chemicals in batteries could cause burns or other health hazards.

# HOW TO USE

## CONTROL PANEL AND REMOTE



Operation of functions is the same when using the remote or the control panel, unless otherwise stated.

### NOTE:

The remote sensor is located under the LED display. Point the remote anywhere at the sensor. The remote may not work if the sensor is in bright light or if there is not a clear path between the remote and the sensor.

### 1 POWER

Press the POWER button to turn the air conditioner ON or OFF. Any control settings such as Cool, Dry, Fan, and Fan Speed will be retained in memory when the power is off. When turned on after being unplugged, the air conditioner will automatically reset. Any settings will need to be re-entered.

### 2 MODE

Press this button to select the operating mode such as Cool, Dry (Dehumidify), or Fan for the air conditioner. And you can see the active mode through the indicator lights. The default setting is Cool. Press the MODE button to change to Dry (Dehumidify), press again to change to Fan, and again to change to Cool.

Mode	Features
COOL	Compressor runs and cools the room. Use the ▲ / ▼ and FAN buttons to set the desired temperature and circulation fan speed.
FAN	Fan circulates air but compressor does not run. Use the FAN button to set the desired fan speed.
DRY	Dry mode is used to remove humidity from the room without additional cooling. Fan speed is pre-set and cannot be adjusted.

### 3 FAN

Adjusts the circulation fan speed between High and Low fan speed. The selected fan speed will be shown through the indicator lights. The function can be used in Cool and Fan modes. When changing fan speeds, there is a brief delay before the fan motor changes speed.

### 4 TIMER

When the TIMER function is selected, you can set the air conditioner to either automatically turn OFF or turn ON after a delay of up to 24 hours. The display will show 0. Use the ▲ / ▼ buttons to adjust the delay time from 1 to 24 hours, in one hour increments.

To set an automatic off delay, press the TIMER button while the air conditioner is running and use ▲ / ▼ the buttons to adjust the delay time. air conditioner will automatically turn off after the set delay.

To set an automatic on delay, press the TIMER button while the air conditioner is off and use ▲ / ▼ the buttons to adjust the delay time. The display will show the number of hours remaining until the unit is set to come on. The air conditioner will automatically turn on after the set delay.

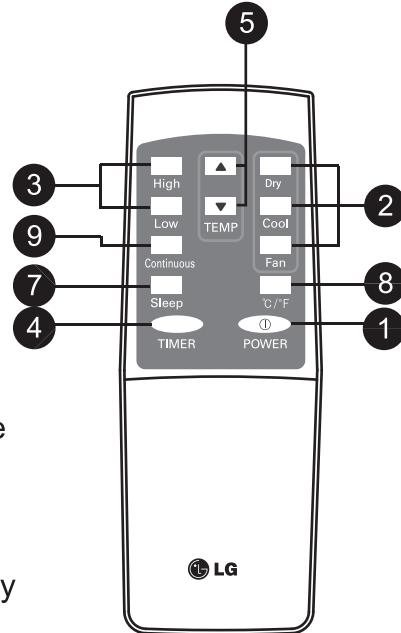
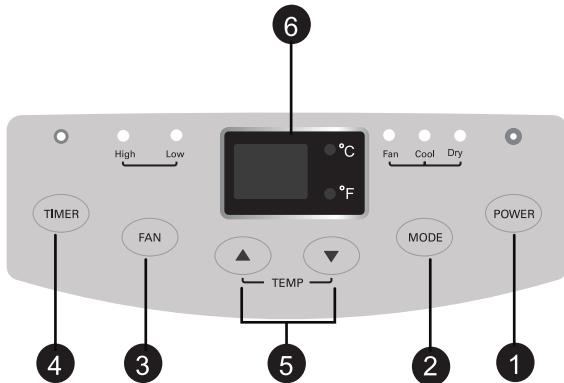
If you want to know how many hours you have setted, press the TIMER button and then you can see the time through the LED display. If you want to change the set timer, press the TIMER button and adjust the time when the number is flickering.

To cancel the Timer function, press the TIMER button and adjust the number to 0 when the number is flickering, then the function will be canceled in a few seconds.

Another better method is press the TIMER button and press this button again when the number is still flickering.

# HOW TO USE

## CONTROL PANEL AND REMOTE



Operation of functions is the same when using the remote or the control panel, unless otherwise stated.

### NOTE:

The remote sensor is located under the LED display. Point the remote anywhere at the sensor. The remote may not work if the sensor is in bright light or if there is not a clear path between the remote and the sensor.

### 5 ▲ / ▼ (TEMP/TIMER)

In COOL modes, the ▲ / ▼ buttons adjust the set temperature up to 86°F(30°C) or down to 62°F(17°C), in one degree increments. The temperature can be switched between degrees Fahrenheit and degrees Celsius, pressing ▲ the button and ▼ button at the same time, or pressing °F / °C button on the remote.

When the TIMER function is selected, use the ▲ / ▼ buttons to adjust the delay time from 1 to 24 hours, in one hour increments.

If you press and hold the ▲ / ▼ buttons, the set temperature or time will change automatically after a few seconds.

**NOTE:** The displayed temperature is the SET temperature, not the room temperature. In COOL mode, the thermostat in the air conditioner will run the compressor until the set temperature is reached, then cycle the compressor on and off to maintain the set temperature.

### 6 LED Display

LED display shows the set temperature, fan speed, or the selected TIMER delay.

Indicators will light to show active mode and additional settings. The LED display will show the FL to indicate when the internal water drain tank needs to be emptied.

### 7 SLEEP

Increases the temperature by 1 °F every 2 hours to allow a more comfortable adjustment for the user.

### 8 °C/°F(CELSIUS AND FAHRENHEIT EXCHANGE BUTTON)

When the displayed temperature is °C (or °F), you can press this button to switch to °F (or °C).

### 9 CONTINUOUS

After setting continuous, the unit will keep running no matter what temperature is selected.

### NOTICE AUTO RESTART

During operation in failure of electric power, the unit runs as previous setting operation.

### NOTICE Plug in, the LED display will light

When you plug the power cord into grounded outlet, LED display will show room temperature and power indicator(red light) After push power button to operate the product, red light above the power button will be changed green light



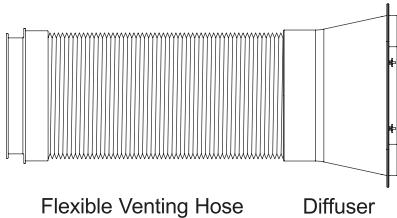
# INSTALLATION INSTRUCTIONS

## PREPARING FOR INSTALLATION

**WARNING** The air conditioner is heavy! Use two or more people to lift and install the unit! Failure to do so could result in back injury or other injuries.

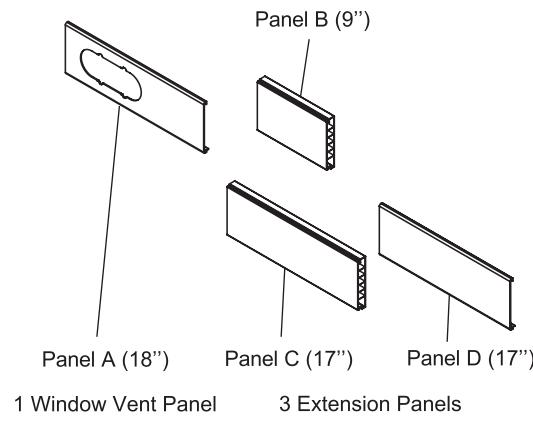
### EXHAUST COMPONENTS

The following components are used for window venting.  
Not all components are used for every installation.



Flexible Venting Hose

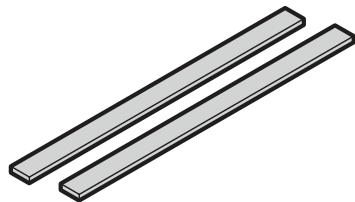
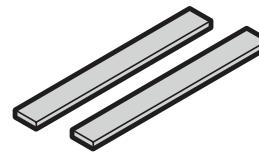
Diffuser



1 Window Vent Panel

3 Extension Panels

Window Installation Kit (includes 1 Window Vent Panel and 3 Extension Panels)

2 Type A Foam Seals  
(Adhesive)1 Type B Foam Seal  
(Non-adhesive)2 Type C Foam Seals  
(Adhesive type-Shorter)

Security Bracket



2 Type A Screws



1 Type B Screw

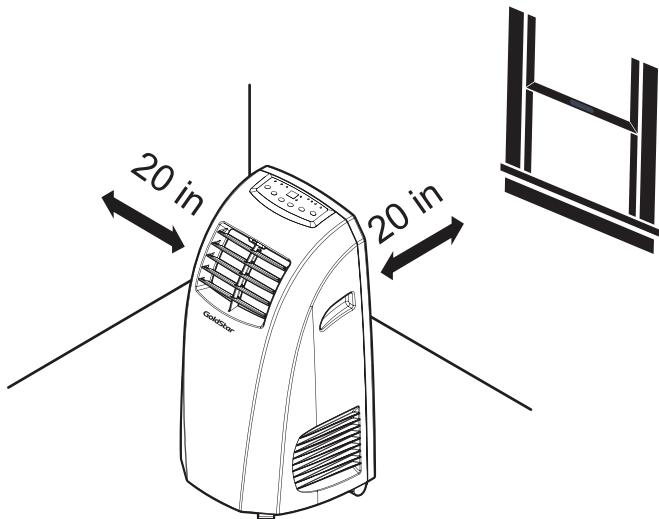


1 Type C Screw

# INSTALLATION INSTRUCTIONS

## SELECTION OF INSTALLATION LOCATION

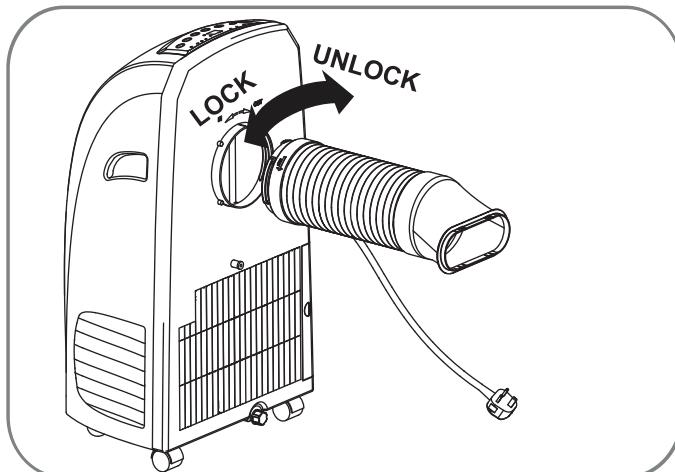
- 1 Place the unit on a level floor.
- 2 For best performance, allow at least 20 in of air space on all sides of the unit for good air circulation.
- 3 Place the unit near a window. The hose and diffuser will be used to connect the air conditioner to the window installation kit to vent exhaust air outside.



### ⚠ WARNING

The length of the exhaust hose is specially designed according to the specification of this product. Do not replace or extend it with your own private hose as this could cause malfunction.

## ATTACHING THE HOSE AND DIFFUSER



Insert the vent hose into the hole on the back of the air conditioner and rotate counter clockwise.

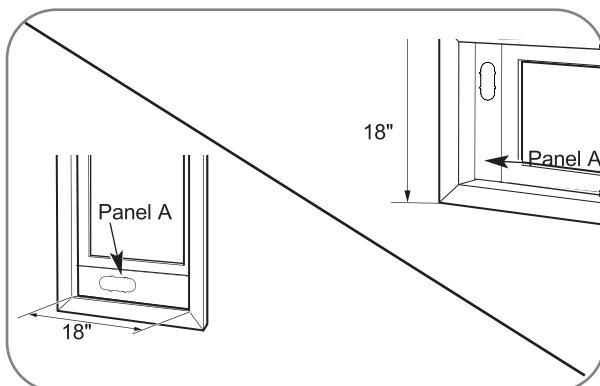
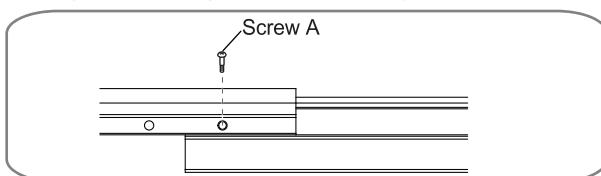
# INSTALLATION INSTRUCTIONS

## WINDOW VENT PANEL AND EXTENSIONS

The window installation kit allows you to install the air conditioner in most vertical-sliding windows 18" to 50" wide, or casement-style windows from 18" to 50" high.

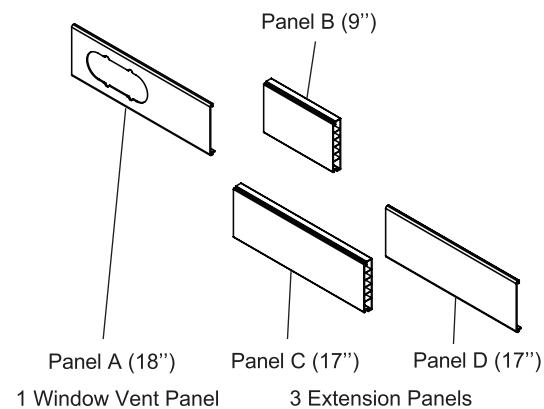
Panel Window Length	A 18"	B 9"	C 17"	D 17"	Fig.
18"	✓				a
19" - 26"	✓	✓			b
27" - 34"	✓		✓		c
35" - 50"	✓		✓	✓	d

1. Please check your window length and choose the fit panels from the above tabel.
2. If your window length need more than 2 panels, after adjust the length, please use type A screw to fix them.

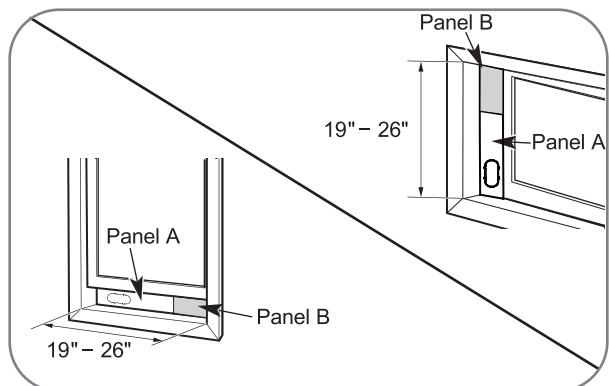


For an 18" window opening, use the window vent panel by itself.

Fig. "a"

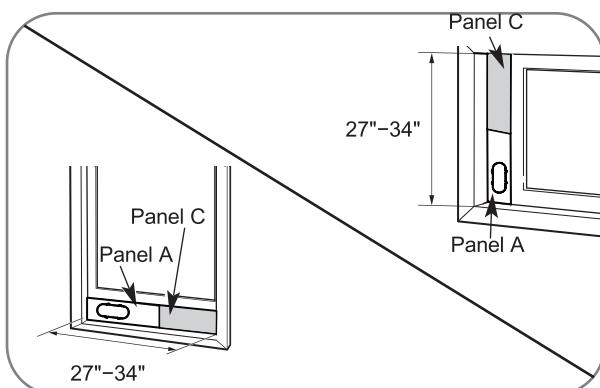


Window Installation Kit (includes 1 Window Vent Panel and 3 Extension Panels)



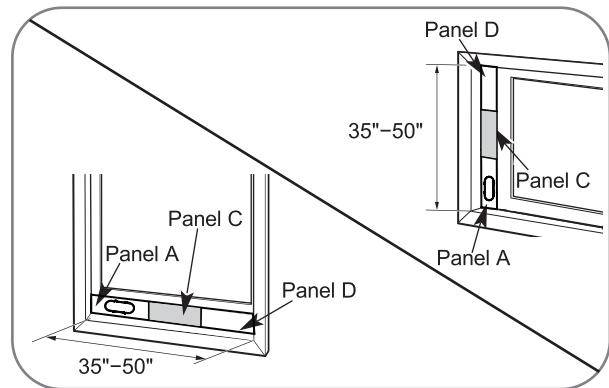
For window openings from 19" to 26", use the window vent panel (Panel A) and a extension panel (Panel B).

Fig. "b"



For window openings from 27" to 34", use the window vent panel (Panel A) and a extension panel (Panel C).

Fig. "c"



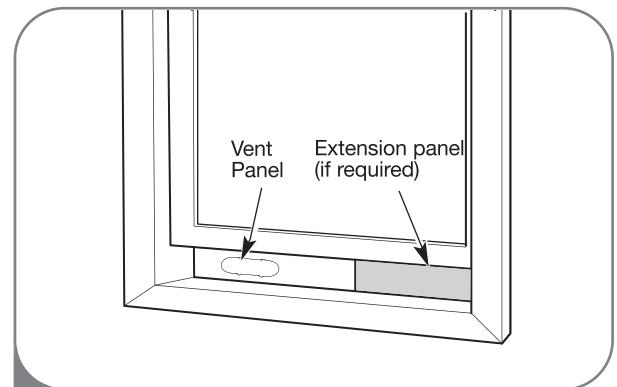
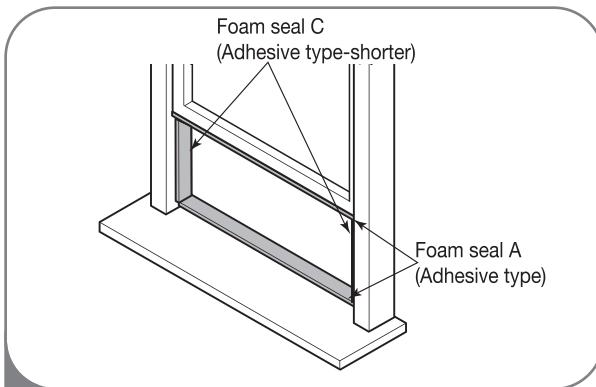
For window openings from 35" to 50", use the window vent panel and two extension panels (Panel C and Panel D).

Fig. "d"

# INSTALLATION INSTRUCTIONS

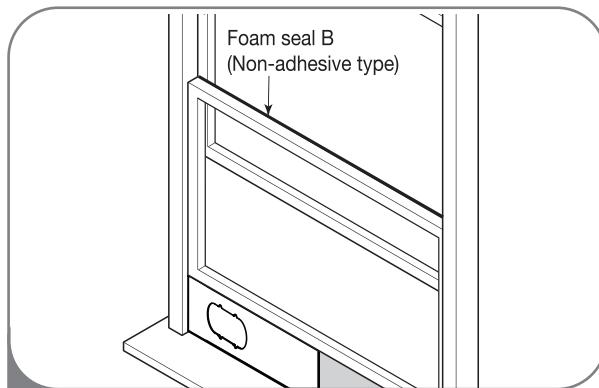
## INSTALLATION IN VERTICAL SLIDING WINDOWS

**NOTE:** The window installation kit can be used with vertical sliding windows between 18" and 50" wide.

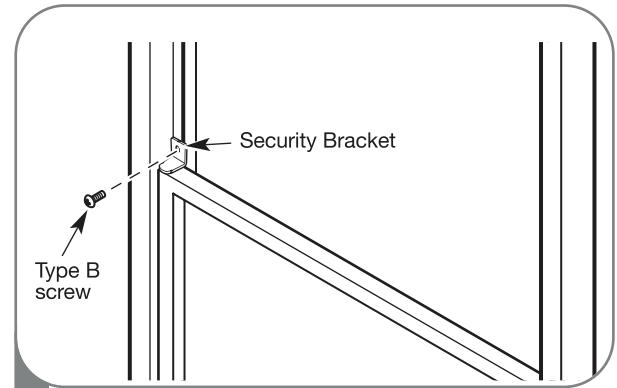


- 1 Cut the foam seal A (adhesive type) & C (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.

- 2 Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



- 3 Cut the foam seal B (Non-adhesive type) to the window width. Stuff the foam seal B between the glass and the window to prevent air and insects from getting into the room.

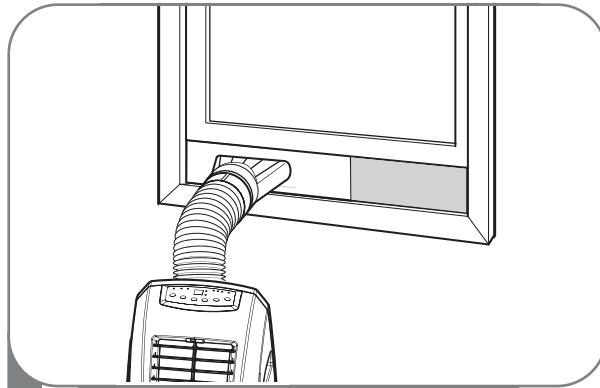


- 4 Install the security bracket with a type B screw as shown if you need.

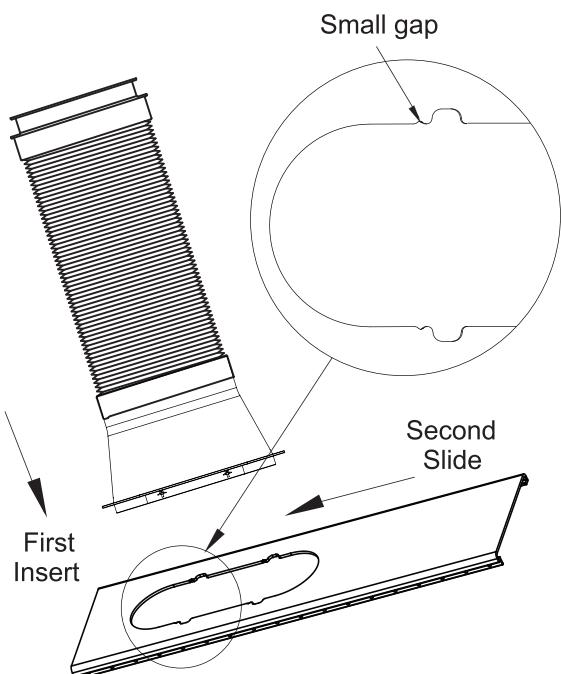
# INSTALLATION INSTRUCTIONS

ENGLISH

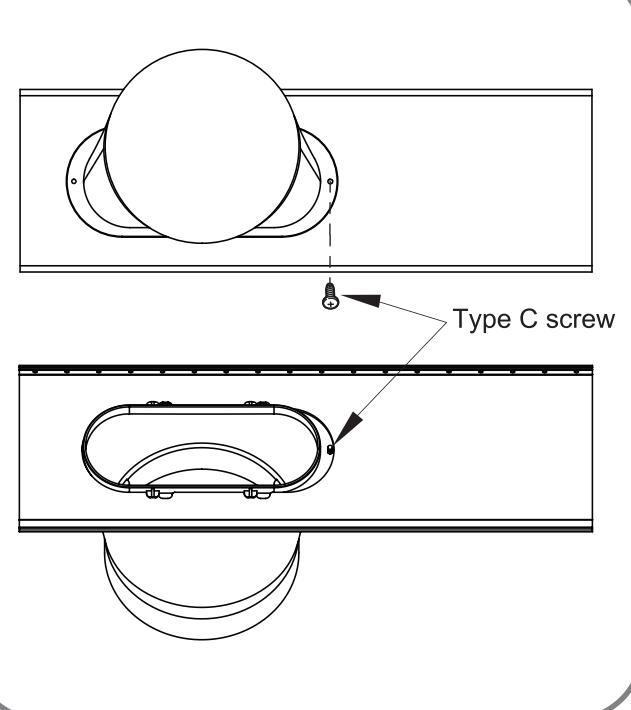
## INSTALLATION IN VERTICAL SLIDING WINDOWS



- 5 Insert the diffuser into the Vent Panel. And then slide.



First insert to the vent panel fully and then slide for locking.

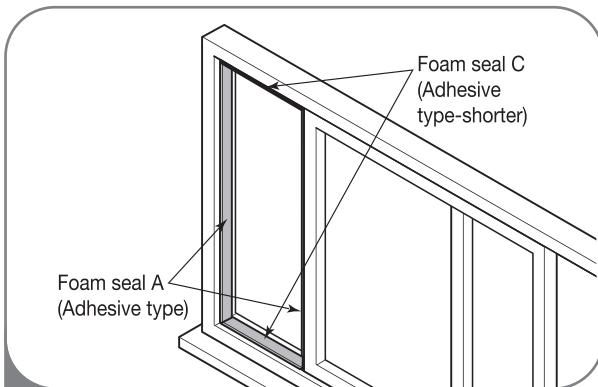


If you want fix the diffuser more firmly, use the type C screw.

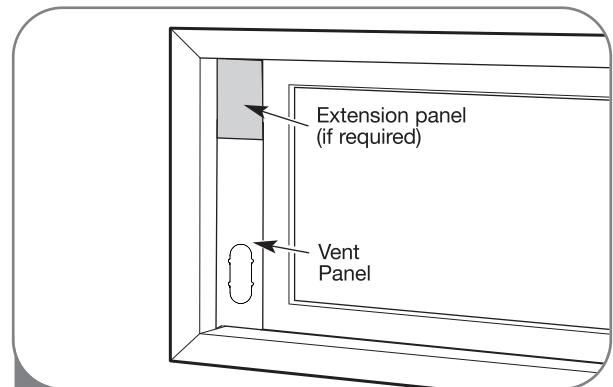
# INSTALLATION INSTRUCTIONS

## INSTALLATION IN CASEMENT STYLE WINDOWS

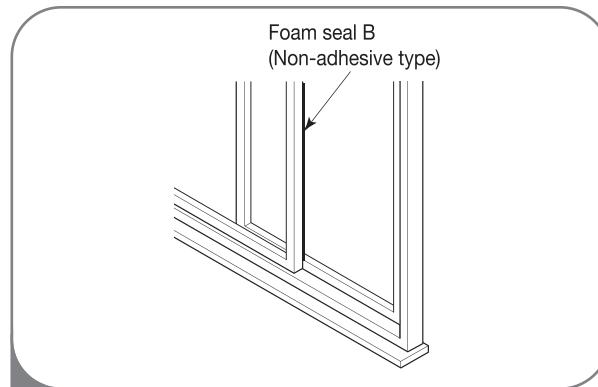
**NOTE:** The window installation kit can be used with casement windows between 18 "and 50 " tall.



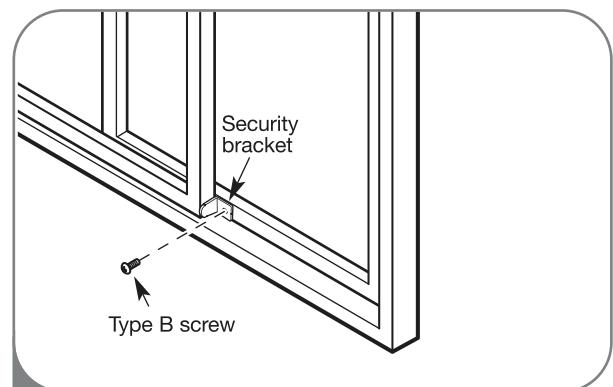
- 1 Cut the foam seal A (adhesive type) & C (adhesive type-shorter) to the proper length, and attach it to the window sash and frame.



- 2 Insert the vent panel assembly, including extension panels, if needed, into the window opening. Extend the extension panels, if used.



- 3 Cut the foam seal B (Non-adhesive type) to the window height. Stuff the foam seal B between the glass and the window to prevent air and insects from getting into the room.

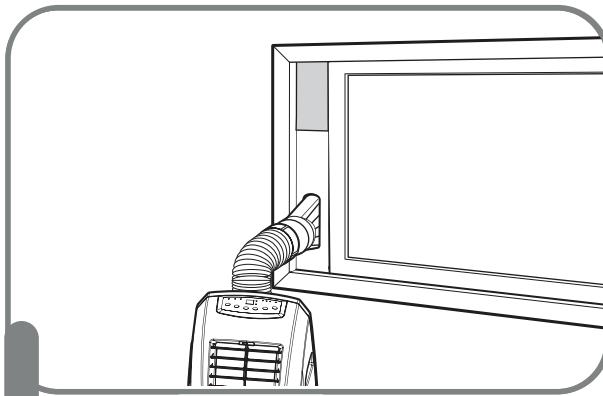


- 4 Install the window security bracket with a type B screw as shown.

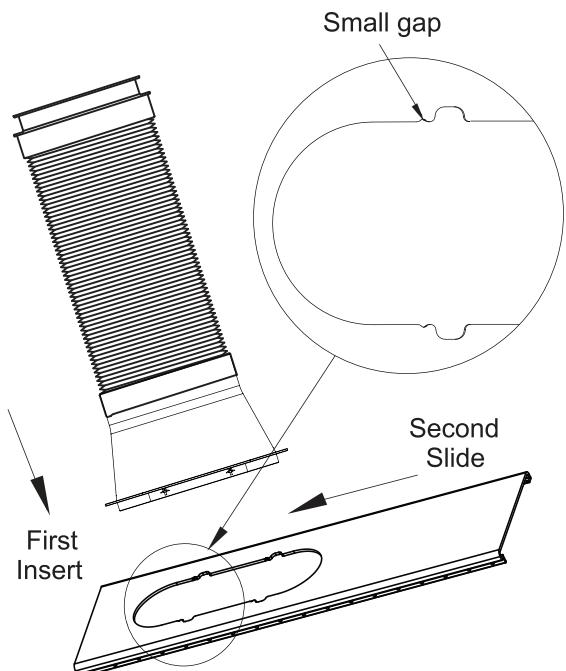
# INSTALLATION INSTRUCTIONS

ENGLISH

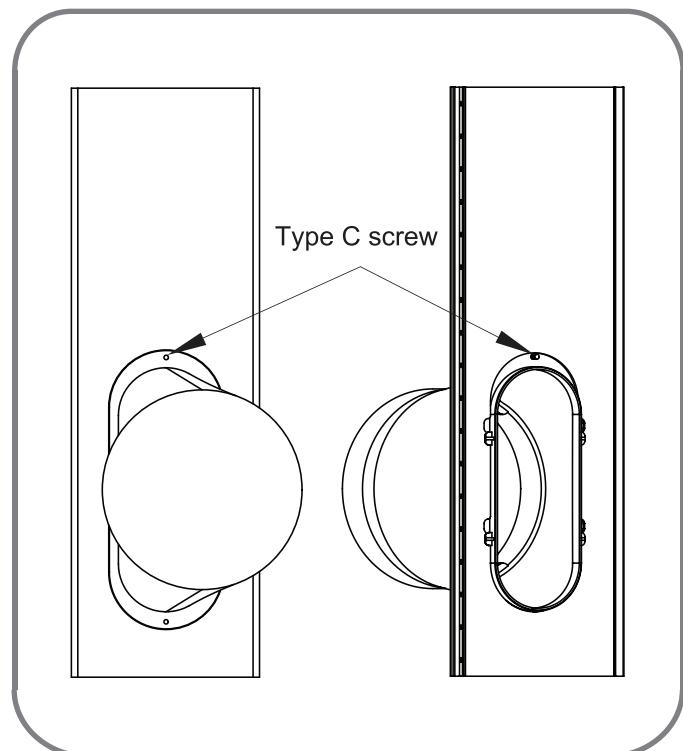
## INSTALLATION IN CASEMENT STYLE WINDOWS



5 Insert the diffuser into the Vent Panel. And then slide.



First insert to the vent panel fully and then slide for locking.



If you want fix the diffuser more firmly, use the type C screw.

# CARE AND CLEANING

Your air conditioner is designed for year-round operation with only minimal cleaning and maintenance.

For maximum efficiency, it is recommended that you have the cooling coils inspected and cleaned annually. Your local LG Authorized Service Center can provide this inspection and cleaning service for a nominal fee.

## ⚠️ WARNING

- Unplug the air conditioner before cleaning or performing any maintenance or servicing.
- Be careful when cleaning coils or removing or reinstalling the filter—the cooling fins are sharp!

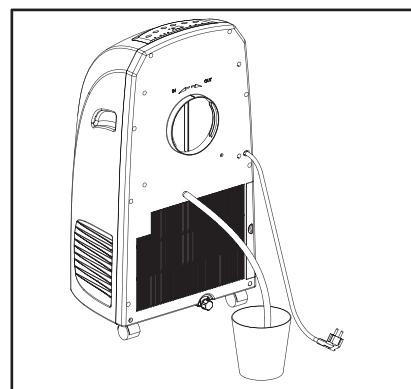
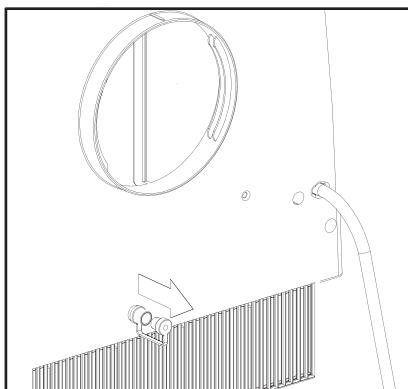
Failure to follow the above precautions could result in electrical shock or personal injury.

## WATER DRAINAGE

This product has a self-evaporative system. The condensing water will be recycled to cool the condenser. This can not only improve cooling efficiency, but also save energy for you.

### Using the Upper Drain Port (Dry Mode Only)

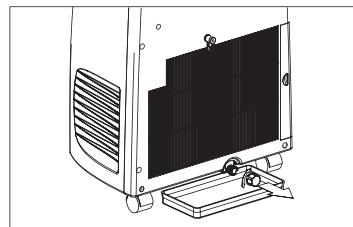
- This can be used when you need dehumidification in high humidity.
- Under the Cool or Fan mode, there's no need of using the upper drain port.
- During DRY(dehumidifying) mode, remove the drain plug and the exhaust hose from the back of the unit.
- Install a drain hose (12mm [1/2"] inside diameter) and place the open end of the hose at a suitable drain location or outdoors.



### Using the Bottom Drain Port

When the internal water collection tank is full , the LED display will show FL and the air conditioner will turn off until the tank is emptied.

- Unplug the air conditioner, disconnect the exhaust hose from the back, and move the air conditioner to a suitable drain location or outdoors. You may also place a pan under the drain that will hold up to 2 pints of water.
- Remove the drain cap from the drain outlet.
- Once the water collection tank is drained, reinstall the drain cap, making sure it is on securely.
- Place the air conditioner in the desired location, reconnect the exhaust hose, and plug in the air conditioner.



### NOTICE FL appears in the display

The water collection tank is full, drain the tank and restart the air conditioner.

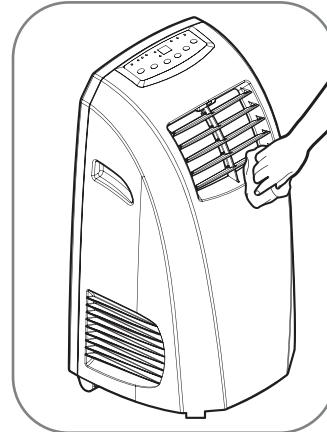
**NOTES:** When turned on after being unplugged, the air conditioner will automatically reset to COOL mode, with a temperature setting of 72°F.

# CARE AND CLEANING

## CLEANING THE CASE

Wipe the case with a slightly damp cloth, then wipe dry with a dry cloth or towel.

- To prevent damage to the finish, do not use gasoline, benzene, thinner, etc., or any abrasive cleansers to clean the air conditioner; they may damage the finish.
- Never pour water onto or into the air conditioner. It could damage internal components and create a shock and fire hazard.

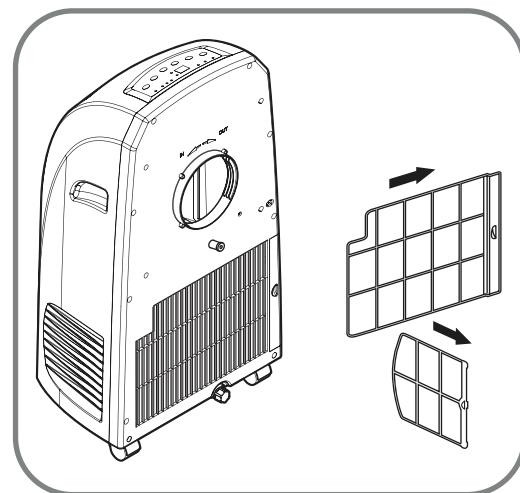


## CLEANING THE AIR FILTER

The air filter should be cleaned every two weeks; depending on indoor air quality, more frequent cleaning may be needed. A dirty air filter will decrease airflow and reduce efficiency.

**Do not operate the air conditioner without the air filter in place.**

- 1 Pull out the air filter by the handle.
- 2 Use a vacuum cleaner to clean the filter. If the filter is heavily soiled, it can be washed in warm water using a mild detergent.  
**Do not use harsh cleaners or very hot water.**  
**Do not wash in a dishwasher.**
- 3 Allow the filter to dry completely before reinstalling.
- 4 Reinsert the filter.



# CARE AND CLEANING

## STORING THE AIR CONDITIONER

If the air conditioner will not be used for an extended period of time:

- 1 To drain the water collection tank completely, leave the bottom drain cap off long enough to allow any residual water to drain out. Once the tank is completely drained and no more water flows out, reinstall the cap.
- 2 Remove and clean the filter, allow it to dry completely, then reinstall it.
- 3 Remove the batteries from the remote.
- 4 Store the air conditioner in a cool, dry location, away from direct sunlight, extreme temperatures, and excessive dust.

Before using the air conditioner again:

- 1 Make sure the filter and drain cap are in place
- 2 Check the power cord to make sure it is in good condition, with no cracks or damage.
- 3 Place new batteries in the remote.
- 4 Install the air conditioner as described in the Installation Instructions.

# TROUBLESHOOTING

## BEFORE CALLING FOR SERVICE

Before you call for service, review this list. It may save you time and expense. This list includes common occurrences that are not the result of a defect in workmanship or materials.

<b>Self Diagnosis</b>	<b>Possible Causes</b>	<b>What To Do</b>
Air conditioner does not start	The air conditioner is unplugged.	Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	If power failure occurs, turn the mode control to Off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
	The current interrupter device is tripped.	Press the <b>RESET</b> button located on the power cord plug. If the <b>RESET</b> button will not stay engaged, discontinue use of the air conditioner and contact a qualified service technician.
	<b>FL</b> appears in the display.	The water collection tank is full. Drain the tank and reset your settings.
Room temperature is less than the set temperature.	Airflow is restricted.	This is normal. The air conditioner automatically shuts off when the room equals or is less than the set temperature. Adjust the temperature setting, if needed.
	The temp control may not be set correctly.	In <b>COOL</b> model, press the <b>DECREASE▼</b> pad.
	The air filter is dirty.	Clean the filter at least every 2 weeks. See the Care and Cleaning section.
	The room may have been hot.	When the air conditioner is first turned on, you need to allow time for the room to cool down.
Air conditioner freezing up	The cooling coils are iced over.	Ice may block the air flow and obstruct the air conditioner from properly cooling the room. Set the mode control at <b>High Fan</b> or <b>High Cool</b> .
Air conditioner runs too often or too long	Area to be cooled is too large for the air conditioner.	Consult your dealer for the air conditioner capacity necessary to cool the desired area.
	Doors or windows are open.	Make sure doors and windows are closed.

# TROUBLESHOOTING

## BEFORE CALLING FOR SERVICE

<i>Self Diagnosis</i>	<i>Possible Causes</i>	<i>What To Do</i>
Code appears in the display. <b>FL</b>	The water collection tank is full.	Empty the water collection tank. See the Care and Cleaning section.
<b>E1</b>	Short or open circuit in the indoor air thermistor.	Unplug the air conditioner and contact your authorized LG service center.
<b>E2</b>	Short or open circuit in the indoor pipe thermistor.	Unplug the air conditioner and contact your authorized LG service center.
<b>E4</b>	The coil sensor temperature is low, the unit will stop and display E4 to defrost.	After defrost, the unit will re-start.

# LG PORTABLE AIR CONDITIONER LIMITED WARRANTY - USA

## WHAT THIS WARRANTY COVERS:

LG Electronics U.S.A., Inc. ("LG") warrants your LG Portable Air Conditioner ("product") against defect in materials or workmanship under normal household use, during the warranty period set forth below, LG will, at its option, repair or replace the product. This limited warranty is valid only to the original retail purchaser of the product, is not assignable or transferrable to any subsequent purchaser or user, and applies only when the product is purchased through an LG authorized dealer or distributor and used within the United States ("U.S.") including U.S. Territories.

**Note:** Replacement products and repair parts may be new or factory-remanufactured and are warranted for the remaining portion of the original unit's warranty period or ninety (90) days, whichever is longer. Please retain dated receipt or delivery ticket as evidence of the Date of Purchase for proof of warranty (you may be required to submit a copy to LG or authorized representative).

## WARRANTY PERIOD:

**1 year** from the Date of Purchase: **Any internal/ functional Parts and Labor.**

## HOW SERVICE IS HANDLED: In-Home Service

In-home service will be provided during the warranty period subject to availability within the United States. In-home service may not be available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, LG may elect, at our option, to provide for transportation of our choice to and from a LG authorized service center.

## THIS LIMITED WARRANTY DOES NOT COVER:

1. Service trips to deliver, pick up, or install the product or for instruction on product use.
2. Replacing house fuses or resetting of circuit breakers, correction of house wiring or plumbing, or correction of product installation.
3. Damage or failure caused by leaky/ broken/ frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage or failure caused by accidents, pests and vermin, lightning, wind, fire, floods or acts of God.
5. Damage or failure resulting from misuse, abuse, improper installation, repair or maintenance. Improper repair includes use of parts not approved or specified by LG.
6. Damage or failure caused by unauthorized modification or alteration to the product.
7. Damage or failure caused by incorrect electrical current, voltage, or plumbing codes.
8. Cosmetic damage, including scratches, dents, chips or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported to LG within seven (7) calendar days from the date of delivery.
9. Damage or missing items to any display, open box, discounted, or refurbished product.
10. Product where the original factory serial numbers have been removed, defaced or changed in any way.
11. Repairs when product is used in other than normal and usual household use (e.g. rental, commercial use, offices, or recreational facilities) or contrary to the instructions outlined in the owner's manual.
12. The removal and reinstallation of the Product if it is installed in an inaccessible location.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING AND WITHOUT LIMITATION TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, THIS WARRANTY IS LIMITED IN DURATION TO THE TERM PERIOD EXPRESSED ABOVE. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CUSTOMER. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING AND WITHOUT LIMITATION TO, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

## HOW TO OBTAIN WARRANTY SERVICE & ADDITIONAL INFORMATION:

Call 1-800-243-0000 or visit our website at [www.lg.com](http://www.lg.com).

**Mail to:** LG Customer Information Center (ATTN: CIC)  
201 James Record Road, Huntsville, AL 35824



LG ELECTRONICS, INC.  
1000 Sylvan Ave., Englewood Cliffs, NJ 07632

LG Customer Information Center

1-800-243-0000

Register your product Online!

[www.lg.com](http://www.lg.com)



# LG OLED TV

## Safety and Reference

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

OLED55B7P

OLED55C7P

OLED55E7P

OLED65B7P

OLED65C7P

OLED65E7P



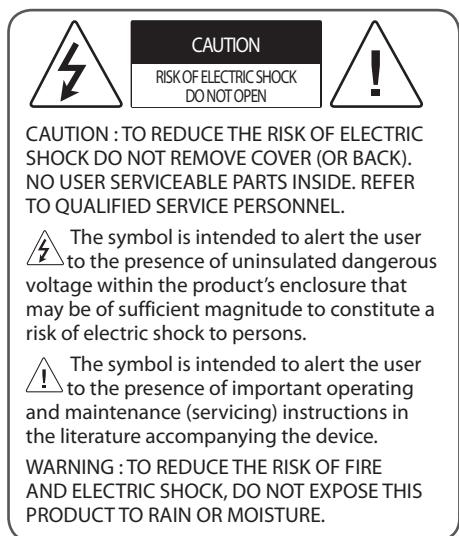
\* M F L 6 9 7 0 7 6 0 2 \*

[www.lg.com](http://www.lg.com)

P/NO : MFL69707602 (1701-REV01)

# Warning! Important Safety instructions

Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions.



ENGLISH

- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.  
***Wash hands after handling.***

- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



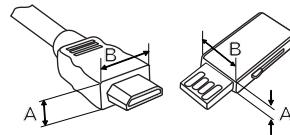
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Do not press strongly upon the panel with a hand or a sharp object such as a nail, pencil, or pen, or make a scratch on it.
- Do not stick metal objects or any other conductive material into the power cord. Do not touch the end of the power cord while it is plugged in.
- Keep the packing anti-moisture material or vinyl packing out of the reach of children. Anti-moisture material is harmful if swallowed. If swallowed, induce vomiting and go to the nearest hospital. Additionally, vinyl packing can cause suffocation. Keep it out of the reach of children.
- Concerning the Power Cord (Can differ by country): Check the specification page of this owner's manual to be certain concerning current requirements. Do not connect too many devices to the same AC power outlet as this could result in fire or electric shock. Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your device, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the device, and have the cord replaced with an exact replacement part by an authorized servicer. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the device. Do not move the TV with the power cord plugged in. Do not use a damaged or loose power cord. Be sure to grasp the plug when unplugging the power cord. Do not pull on the power cord to unplug the TV.

- To reduce the risk of fire or electrical shock, do not expose this product to rain, moisture or other liquids. Do not touch the TV with wet hands. Do not install this product near flammable objects such as gasoline or candles, or expose the TV to direct air conditioning.
- Do not use high voltage electrical equipment near the TV (e.g., a bug zapper). This may result in product malfunction.
- Do not expose to dripping or splashing and do not place objects filled with liquids, such as vases, cups, etc. on or over the apparatus (e.g., on shelves above the unit).
- **Grounding** (Except for devices which are not grounded.) Ensure that you connect the earth ground wire to prevent possible electric shock (i.e., a TV with a three-prong grounded AC plug must be connected to a three-prong grounded AC outlet). If grounding methods are not possible, have a qualified electrician install a separate circuit breaker. Do not try to ground the unit by connecting it to telephone wires, lightning rods, or gas pipes.
- As long as this unit is connected to the AC wall outlet, it is not disconnected from the AC power source even if the unit is turned off.
- Do not attempt to modify this product in any way without written authorization from LG Electronics. Unauthorized modification could void the user's authority to operate this product.
- **Outdoor Antenna Grounding** (Can differ by country): If an outdoor antenna is installed, follow the precautions below. An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits as death or serious injury can occur. Be sure the antenna system is grounded to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in the U.S.A. provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode. **Antenna grounding according to the National Electrical Code, ANSI/NFPA 70**
- **Moving** Make sure the product is turned off, unplugged, and all cables have been removed. It may take 2 or more people to carry larger TVs. Do not press or put stress on the front panel of the TV.
- **Ventilation** Install your TV where there is proper ventilation. Do not install in a confined space such as a bookcase. Do not cover the product with cloth or other materials while plugged. Do not install in excessively dusty places.
- Take care not to touch the ventilation openings. When watching the TV for a long period, the ventilation openings may become hot. This does not affect the performance of the product or cause defects in the product.
- If you smell smoke or other odors coming from the TV, unplug the power cord and contact an authorized service center.
- If water or another substance enters the product (like an AC adapter, power cord, or TV), disconnect the power cord and contact the service center immediately. Otherwise, this may result in fire or electric shock.
- Do not install this product on a wall if it could be exposed to oil or oil mist. This may damage the product and cause it to fall.
- Use only an authorized AC adapter and power cord approved by LG Electronics. Otherwise, this may result in fire, electric shock, malfunction, or product deformation.
- Never disassemble the AC adapter or power cord. This may result in fire or electric shock.

- Handle the adapter carefully to avoid dropping or striking it. An impact could damage the adapter.
- Keep the product away from direct sunlight.
- Never touch this apparatus or antenna during a lightning storm.
- When mounting a TV on the wall, make sure not to install the TV by hanging the power and signal cables on the back of the TV.
- Do not allow an impact shock, any objects to fall into the product, and do not drop anything onto the screen.
- DISCONNECTING THE DEVICE FROM THE MAIN POWER** The power plug is the disconnecting device. In case of an emergency, the power plug must remain readily accessible.
- Make sure the power cord is connected securely to the power plug on the TV.
- Batteries** Store the accessories (battery, etc.) in a safe location out of the reach of children.
- This apparatus uses batteries. In your community there might be regulations that require you to dispose of these batteries properly due to environmental considerations. Please contact your local authorities for disposal or recycling information.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble, or allow the batteries to overheat.
- Cleaning** When cleaning, unplug the power cord and wipe gently with a soft cloth to prevent scratching. Do not spray water or other liquids directly on the TV as electric shock may occur. Do not clean with chemicals such as alcohol, thinners, or benzene.

## Preparing

- When the TV is turned on for the first time after being shipped from the factory, initialization of the TV may take approximately one minute.
- Image shown may differ from your TV.
- Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
- The available menus and options may differ from the input source or product model that you are using.
- New features may be added to this TV in the future.
- The items supplied with your product may vary depending upon the model.
- Product specifications or contents of this manual may be changed without prior notice due to upgrade of product functions.
- For an optimal connection, HDMI cables and USB devices should have bezels less than 10 mm (0.39 inches) thick and 18 mm (0.7 inches) width.
- Use an extension cable that supports USB 2.0 if the USB cable or USB flash drive does not fit into your TV's USB port.
- 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 (3 m or less)
  - High-Speed HDMI®/™ cable
  - High-Speed HDMI®/™ cable with Ethernet

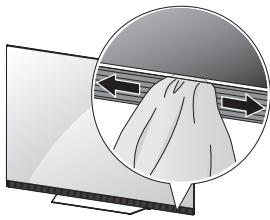


\*A ≤ 10 mm (0.39 inches)

\*B ≤ 18 mm (0.7 inches)

- Do not use any unapproved items to ensure the safety and lifespan of the product.
- Any damages or injuries by using unapproved items are not covered by the warranty.
- Some models appear to have a thin film on the screen. It is actually part of the screen; do not remove it.
- 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 fasten the screws with excessive force otherwise they may be worn out and become loose.
  - Make sure to wring any excess water or cleaner from the cloth.
  - Do not spray water or cleaner directly onto the TV screen.
  - Make sure to spray just enough of water or cleaner onto a dry cloth to wipe the screen.
  - If the lower area of the back side of the glass has been contaminated with dust, etc., use a clean dry cotton or flannel cloth to clean it.
- (For OLED65E7P)



## Optional Extras

Optional extras can be changed or modified for quality improvement without any notification. Contact your dealer for buying these items. These devices work only with certain models. The model name or design may be changed due to the manufacturer's circumstances or policies.

(Depending upon model)

**AN-MR650A**

Magic Remote

## Lifting and Moving the TV

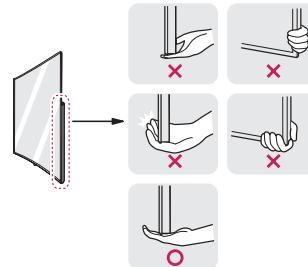
When moving or lifting the TV, read the following to prevent the TV from being scratched or damaged and for safe transportation regardless of its type and size.

- It is recommended to move the TV in the box or packing material that the TV originally came in.
- Before moving or lifting the TV, disconnect the power cord and all cables.

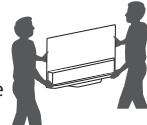
- When holding the TV, the screen should face away from you to avoid damage.



- Hold the side and bottom of the TV frame firmly. Make sure not to hold the transparent part, speaker, or speaker grille area.



- Use at least two people to move a large TV.
- When transporting the TV by hand, hold the TV as shown in the following illustration.
- When transporting the TV, do not expose the TV to jolts or excessive vibration.
- When transporting the TV, keep the TV upright; never turn the TV on its side or tilt towards the left or right.
- When handling the TV, be careful not to damage the protruding buttons.

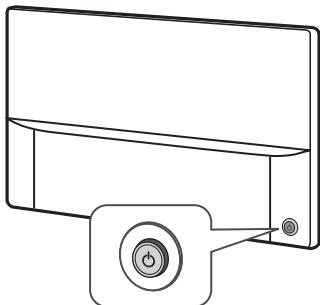


- Avoid touching the screen at all times, as this may result in damage to the screen.
- Do not place the product on the floor with its front facing down without padding. Failure to do so may result in damage to the screen.
- Do not move the TV by holding the cable holders, as the cable holders may break, and injuries and damage to the TV may occur. (Depending upon model)

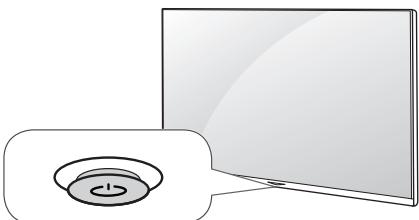
## Using the Joystick Button

(Depending upon model)

You can operate the TV functions, using the button.



or



## Basic Functions

	Power On (Press) Power Off <sup>1</sup> (Press and Hold)
	Volume Control
	Channels Control

1 All running apps will close.

## Adjusting the Menu

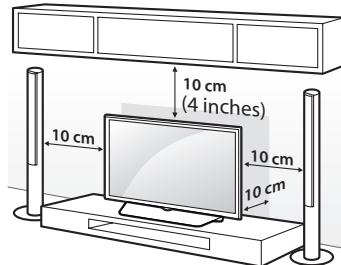
When the TV is turned on, press the button one time. You can adjust the Menu items using the button. (Depending upon model)

	Turns the power off.
	Accesses the setting menu.
	Clears on-screen displays and returns to TV viewing.
	Changes the input source.

## Mounting on a Table

1 Lift and tilt the TV into its upright position on a table.

- Leave a 10 cm (4 inches) (minimum) space from the wall for proper ventilation.

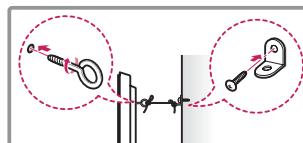
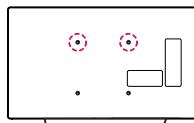


2 Connect the power cord to a wall outlet.

- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the product.)

## Securing the TV to a Wall (optional)

(Depending upon 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.

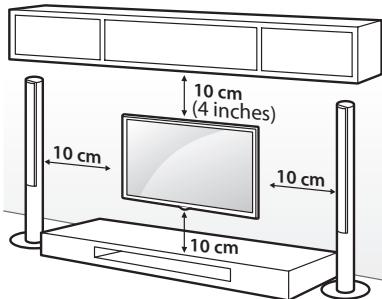
3 Connect the eye-bolts and wall brackets tightly with a sturdy rope or cable. Make sure to keep the rope parallel to the flat surface.



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

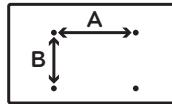
## Mounting on a Wall

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. The LG wall mount is easy to adjust or to connect the cables. When you do not use LG's wall mount bracket, use a wall mount bracket where the device is adequately secured to the wall with enough space to allow connectivity to external devices. If you are using a non-adjustable mount, attach the mount to the wall. Attach the cables to the TV first, then attach the TV to the 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.

<b>Model</b>	OLED55B7P OLED55C7P OLED65B7P OLED65C7P OLED65E7P	OLED55E7P
<b>VESA (A x B)</b>	300 x 200	400 x 200
<b>Standard screw</b>	M6	M6
<b>Number of screws</b>	4	4
<b>Wall mount bracket (optional)</b>	OTW420B	OTW420B



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

## Connections (Notifications)

You can connect various external devices to the TV. Supported external devices are: HD receivers, DVD players, VCRs, audio systems, USB storage devices, PC, gaming devices, and other external devices. For more information on external device's connection, refer to the manual provided with each device.

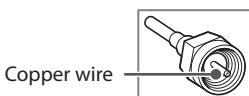
- If you record a TV program on a DVD recorder or VCR, make sure to connect the TV signal input cable to the TV through a DVD recorder or VCR. For more information about recording, refer to the manual provided with the connected device.
- The external device connections shown may differ slightly from illustrations in a manual.
- Connect external devices to the TV regardless about the order of the TV port.
- If you connect a gaming device to the TV, use the cable supplied with the gaming device.
- Refer to the external equipment's manual for operating instructions.
- In PC mode, there may be noise associated with the resolution, vertical pattern, contrast or brightness. If noise is present, change the PC output to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the **Picture** menu until the picture is clear. Depending upon the graphics card, some resolution settings may not allow the image to be positioned on the screen properly.

- Some USB Hubs may not work. If a USB device connected through a USB Hub is not detected, connect it directly to the USB port on the TV.
- The TV may be capable of operating without a set-top-box from a multichannel video programming distributor (MVPD).
- When connecting via a wired LAN, it is recommended to use a CAT 7 cable.

## Connecting to an Antenna or Cable

Connect an antenna, cable, or cable box to watch TV while referring to the following. The illustrations may differ from the actual items and an RF cable is optional.

- Make sure not to bend the copper wire of the RF cable.



- Use a signal splitter to use 2 TVs or more.
- DTV Audio Supported Codec: MPEG, Dolby Digital
- This TV cannot receive ULTRA HD (3840 x 2160 pixels) broadcasts directly because the related standards have not been confirmed. (Depending upon model)

## Other Connections

Connect your TV to external devices. For the best picture and audio quality, connect the external device and the TV with the HDMI cable.

- > > General > **HDMI ULTRA HD Deep Color:**
  - On : Support 4K @ 60 Hz (4:4:4, 4:2:2, 4:2:0)
  - Off : Support 4K @ 60 Hz 8bit (4:2:0)
- If the device connected to Input Port also supports ULTRA HD Deep Color, your picture may be clearer. However, if the device doesn't support it, it may not work properly. In that case, connect the device to a different HDMI port or change the TV's **HDMI ULTRA HD Deep Color** setting to off.

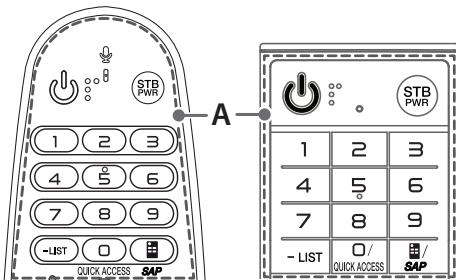
- **HDMI Audio Supported Format:** DTS (44.1 kHz / 48 kHz), Dolby Digital / Dolby Digital Plus (32 kHz / 44.1 kHz / 48 kHz), PCM (32 kHz / 44.1 kHz / 48 kHz / 96 kHz / 192 kHz) (Depending on model)

## Magic Remote Functions

(Some buttons and services may not be provided depending upon models or regions.)

When the message *Magic remote battery is low. Change the battery.* is displayed, replace the batteries. To install batteries, open the battery cover, replace batteries (1.5 V AA) matching and ends to the label inside the compartment, and close the battery cover. Failure to match the correct polarities of the battery may cause the battery to burst or leak, resulting in fire, personal injury, or ambient pollution. Be sure to point the remote control at the remote control sensor on the TV. To remove the batteries, perform the installation actions in reverse.

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



**A**

(Power) Turns the TV on or off.

**STB PWR** You can turn your set-top box on or off by adding the set-top box to the universal remote control for your TV.

**Number button** Enters numbers.

- (Dash) Inserts a dash between numbers such as 2-1 and 2-2.

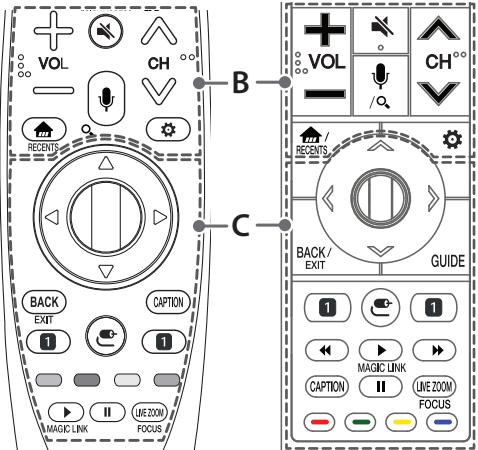
**LIST** Accesses the saved channel list.

**Screen Remote** Displays the Screen Remote.

- Accesses the Universal Control Menu in some regions.

**QUICK ACCESS\*** You can access the application or Live TV channel by using the number buttons as registered.

**SAP\*** SAP (Secondary Audio Program) Feature can be enabled by pressing the key.



## B

**+ VOL** Adjusts the volume level.

**🔇 (Mute)** Mutes all sounds.

**CHANNEL** Scrolls through the saved channels.

**VOICE** (Voice recognition) Press the button and speak when the voice display window appears on the TV screen.

- Network connection is required to use the voice recognition function.

**🔍 \* (Search)** Shows the search mode.

**🏡 (Home)** Accesses the Home menu.

**⚙️ (Q. Settings)** Accesses the quick settings.

- Pressing and holding the **⚙️ (Q. Settings)** button displays the **All settings** menu.

**RECENTS\*** Shows the previous history.

## C

**△ ▽ ▲ ▼ (up/down/left/right)** Press the up, down, left or right button to scroll the menu. If you press **△ ▽ ▲ ▼** buttons while the pointer is in use, the pointer will disappear from the screen and Magic Remote will operate like a general remote control. To display the pointer on the screen again, shake Magic Remote to the left and right.

**Wheel (OK)** Press the center of the Wheel button to select a menu. You can change channels by using the Wheel button.

**BACK** Returns to the previous screen.

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

**CAPTION** Activates or deactivates the subtitles.

**GUIDE** Displays the program event according to time scheduler.

**1** **Streaming Service buttons** Connects to the Video Streaming Service.

**INPUT** (Input) Changes the input source.

- Pressing and holding the **INPUT** button displays all the lists of external inputs.

**REC**, **PAUSE**, **STOP**, **PLAY** These access special functions in some menus.

**◀▶, ▶▶, ▶▶, ▶▶** Control buttons for media contents

**LIVE ZOOM** By zooming in on the selected area, you can view it in full screen.

**MAGIC LINK\*** Provides content related to the program you are currently watching.

**FOCUS\*** You can zoom in on the area where the remote control is pointed.

- To use the button, press and hold for more than 3 seconds.

## Registering Magic Remote

### How to Register the Magic Remote

To use the Magic Remote, first pair it with your TV.

- 1 Put batteries into the Magic Remote and turn the TV on.
- 2 Point the Magic Remote at your TV and press the **Wheel (OK)** on the remote control.
- If the TV fails to register the Magic Remote, try again after turning the TV off and back on.

### How to Deregister the Magic Remote

- Press the **BACK** and **Home** buttons at the same time, for five seconds, to unpair the Magic Remote with your TV.
- Pressing and holding the **CAPTION** button will let you cancel and re-register Magic Remote at once.

- !**
- It is recommended that an Access Point (AP) be located more than 0.2 m (0.65 ft) away from the TV. If the AP is installed closer than 0.2 m (0.65 ft), the Magic remote control may not perform as expected due to frequency interference.

## Licenses

Supported licenses may differ by model. For more information about licenses, visit [www.lg.com](http://www.lg.com).



## Open Source Software Notice Information

To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to [opensource@lge.com](mailto:opensource@lge.com). This offer is valid for three (3) years from the date on which you purchased the product.

## External Control Device Setup

To obtain the external control device setup information, please visit [www.lg.com](http://www.lg.com).

## Troubleshooting

- Cannot control the TV with the remote control.
  - Check if anything such as tape has been placed over the receiver.
  - Check if there is any obstacle between the product and the remote control.
  - Replace the batteries with new fresh ones.
- 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 **Timer Power Off / Sleep Timer** feature is activated in the **Timers** settings.
  - If there is no signal while the TV is on, the TV will turn off automatically after 15 minutes of inactivity.

### • Abnormal Display

- If the TV feels cold to the touch, there may be a small flicker when it is turned on. This is normal; there is nothing wrong with TV. Some minute dot defects may be visible on the screen, appearing as tiny red, green, or blue spots. However, they have no adverse effect on the TV's performance. Avoid touching the screen or holding your finger(s) against it for long periods of time. Doing so may produce some temporary distortion effects on the screen.
- This panel is an advanced product that contains millions of pixels. In a very few cases, you could see fine dots on the screen while you're viewing the TV. Those dots are deactivated pixels and do not affect the performance and reliability of the TV.
- Displaying a still image for a prolonged period of time may cause an image sticking. Avoid displaying a fixed image on the TV screen for a extended length of time.
- Some horizontal lines may appear when the **Pixel Refresher** feature is performed. It is normal and there is no need to be concerned.

### • Generated Sound

- **Cracking noise** A cracking noise that occurs when watching or turning off the TV is generated by plastic thermal contraction due to temperature and humidity. This noise is common for products where thermal deformation is required.
- **Electrical circuit humming/panel buzzing** A low level noise is generated from a high-speed switching circuit, which supplies a large amount of current to operate a product. It varies depending upon the product. This generated sound does not affect the performance and reliability of the product.

## Specifications

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

Estimated yearly energy consumption indicated on the FTC label is measured in accordance with the Test Procedures for Television Sets (USA only).

The actual energy consumption depends on the usage environment (The content watched, TV settings, etc.).

### Television System

ATSC, NTSC-M, 64 & 256 QAM

### Program Coverage

VHF 2-13, UHF 14-69, DTV 2-69, CATV 1-135, CADTV 1-135

### External Antenna Impedance

75 Ω

### Environment condition

- **Operating Temperature**  
0 °C to 40 °C (32 °F to 104 °F)
- **Operating Humidity**  
Less than 80 %
- **Storage Temperature**  
-20 °C to 60 °C (-4 °F to 140 °F)
- **Storage Humidity**  
Less than 85 %

## Wireless Module (LGSBWAC72) Specifications

Wireless LAN (IEEE 802.11a/b/g/n/ac)	
Frequency Range	Output Power (Max.)
2400 to 2483.5 MHz	15 dBm
5150 to 5725 MHz	14.5 dBm
5725 to 5850 MHz	14.5 dBm
Bluetooth	
Frequency Range	Output Power (Max.)
2400 to 2483.5 MHz	8.5 dBm

- As band channels can vary per country, the user cannot change or adjust the operating frequency. This product is configured for the regional frequency table.
- For consideration of the user, this device should be installed and operated with a minimum distance of 20 cm (7.8 inches) between the device and the body.
- FCC ID: BEJLSBWAC72 / IC: 2703H-LGSBWAC72

# Regulatory

## FCC NOTICE

(For USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation of the device. Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## FCC Radio Frequency Interference Requirements (for UNII devices)

High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device. This device cannot be co-located with any other transmitter.

## FCC RF Radiation Exposure Statement

[For having wireless function (WLAN, Bluetooth,...)]

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be colocated or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the radiator and your body. Users must follow the specific operating instructions for satisfying RF exposure compliance.

## Industry Canada Statement

(For Canada)

[For having wireless function (WLAN, Bluetooth,...)]

This device complies with Industry Canada's applicable licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

## IC Radiation Exposure Statement

(For Canada)

[For having wireless function (WLAN, Bluetooth,...)]

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.8 inches) between the antenna & your body.

**NOTE : THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

(For Canada)

[For product having the wireless function using 5 GHz frequency bands]

- The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250–5350 MHz and 5470–5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725–5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- The worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in Section 6.2.2(3) shall be clearly indicated.(devices operating in the band 5250–5350 MHz with a maximum e.i.r.p. greater than 200 mW)
- High-power radars are allocated as primary users (i.e. priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

## NOTE TO CABLE/TV INSTALLER

(For USA and Canada)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

## WARNING!

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

## Symbols

~	Refers to alternating current(AC).
---	Refers to direct current(DC).
□	Refers to class II equipment.
○	Refers to stand-by.
	Refers to "ON" (power).
⚡	Refers to dangerous voltage.

## LG Recycling Policy

(For USA)

LG Electronics offers a customized e-waste take-back and recycling service that meets local needs and requirements in the countries where e-waste regulations are in place, and also provides product and packaging take-back and recycling service voluntarily in some countries. LG Electronics evaluates products' recyclability at the design step using LG's recyclability evaluation tool, with the goal of improving recyclability where practicable. Through these activities, LG seeks to contribute to conserving natural resources and protecting the environment. For more information about the LG Recycling Policy, please visit our global site at <http://www.lg.com/global/sustainability/environment/take-back-recycling>



# CHILD SAFETY: PROPER TELEVISION PLACEMENT MATTERS



## THE CONSUMER ELECTRONICS INDUSTRY CARES

- Manufacturers, retailers and the rest of the consumer electronics industry are committed to making home entertainment safe and enjoyable.
- As you enjoy your television, please note that all televisions – new and old- must be supported on proper stands or installed according to the manufacturer's recommendations. Televisions that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests, carts, etc., may fall over, resulting in injury.

## TUNE IN TO SAFETY

- **ALWAYS** follow the manufacturer's recommendations for the safe installation of your television.
- **ALWAYS** read and follow all instructions for proper use of your television.
- **NEVER** allow children to climb on or play on the television or the furniture on which the television is placed.
- **NEVER** place the television on furniture that can easily be used as steps, such as a chest of drawers.
- **ALWAYS** install the television where it cannot be pushed, pulled over or knocked down.
- **ALWAYS** route cords and cables connected to the television so that they cannot be tripped over, pulled or grabbed.

## WALL OR CEILING MOUNT YOUR TELEVISION

- **ALWAYS** contact your retailer about professional installation if you have any doubts about your ability to safely mount your television.
- **ALWAYS** use a mount that has been recommended by the television manufacturer and has a safety certification by an independent laboratory (such as UL, CSA, ETL).
- **ALWAYS** follow all instructions supplied by the television and mount manufacturers.
- **ALWAYS** make sure that the wall or ceiling where you are mounting the television is appropriate. Some mounts are not designed to be mounted to walls and ceilings with steel studs or cinder block construction. If you are unsure, contact a professional installer.
- Televisions can be heavy. A minimum of two people is required for a wall or ceiling mount installation.

## MOVING AN OLDER TELEVISION TO A NEW PLACE IN YOUR HOME

- Many new television buyers move their older CRT televisions into a secondary room after the purchase of a flat-panel television. Special care should be made in the placement of older CRT televisions.
- **ALWAYS** place your older CRT television on furniture that is sturdy and appropriate for its size and weight.
- **NEVER** place your older CRT television on a dresser where children may be tempted to use the drawers to climb.
- **ALWAYS** make sure your older CRT television does not hang over the edge of your furniture.

[CE.org/safety](http://CE.org/safety)





Life's Good

#### Declaration of Conformity

Trade Name	LG
Model	OLED55B7P-U, OLED55C7P-U, OLED55E7P-U, OLED65B7P-U, OLED65C7P-U, OLED65E7P-U
Responsible Party	LG Electronics Inc.
Address	1000 Sylvan Ave. Englewood Cliffs NJ 07632 U.S.A
TEL	201-266-2534

#### LG Customer Information Center

For inquiries or comments, visit [www.lg.com](http://www.lg.com) or call;

1-800-243-0000 USA, Consumer User

1-888-865-3026 USA, Commercial User

1-888-542-2623 CANADA

**Register your product Online!**

[www.lg.com](http://www.lg.com)

The model and serial numbers of the TV are located on the back and on one side of the TV. Record them below should you ever need service.

MODEL \_\_\_\_\_

SERIAL \_\_\_\_\_



OWNER'S MANUAL

# EXTERNAL CONTROL DEVICE SETUP

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

## KEY CODES

- This feature is not available for all models.

Code (Hexa)	Function	Note	Code (Hexa)	Function	Note
00	CH +, PR +	R/C Button	53	List	R/C Button
01	CH -, PR -	R/C Button	5B	Exit	R/C Button
02	Volume +	R/C Button	60	PIP(AD)	R/C Button
03	Volume -	R/C Button	61	Blue	R/C Button
06	> (Arrow Key / Right Key)	R/C Button	63	Yellow	R/C Button
07	< (Arrow Key / Left Key)	R/C Button	71	Green	R/C Button
08	Power	R/C Button	72	Red	R/C Button
09	Mute	R/C Button	79	Ratio / Aspect Ratio	R/C Button
0B	Input	R/C Button	91	AD (Audio Description)	R/C Button
0E	SLEEP	R/C Button	9E	LIVE MENU	R/C Button
0F	TV, TV/RAD	R/C Button	7A	User Guide	R/C Button
10 - 19	* Number Key 0 - 9	R/C Button	7C	Smart / Home	R/C Button
1A	Q.View / Flashback	R/C Button	7E	SIMPLINK	R/C Button
1E	FAV (Favorite Channel)	R/C Button	8E	▶▶ (Forward)	R/C Button
20	Text (Teletext)	R/C Button	8F	◀◀ (Rewind)	R/C Button
21	T. Opt (Teletext Option)	R/C Button	AA	Info	R/C Button
28	Return (BACK)	R/C Button	AB	Program Guide	R/C Button
30	AV (Audio / Video) Mode	R/C Button	B0	▶ (Play)	R/C Button
39	Caption/Subtitle	R/C Button	B1	■ (Stop / File List)	R/C Button
40	Λ (Arrow Key / Cursor Up)	R/C Button	B5	RECENT	R/C Button
41	V (Arrow Key / Cursor Down)	R/C Button	BA	■ (Freeze / Slow Play / Pause)	R/C Button
42	My Apps	R/C Button	BB	Soccer	R/C Button
43	Menu / Settings	R/C Button	BD	● (REC)	R/C Button
44	OK / Enter	R/C Button	DC	3D	R/C Button
45	Q.Menu	R/C Button	99	AutoConfig	R/C Button
4C	List, - (ATSC Only)	R/C Button	9F	App / *	R/C Button
4D	PICTURE	R/C Button	9B	TV / PC	R/C Button
52	SOUND	R/C Button			

\* Key code 4C (0x4C) is available on ATSC/ISDB models which use major/minor channel.  
(For South Korea, Japan, North America, Latin America except Colombia models)

# EXTERNAL CONTROL DEVICE SETUP

- Image shown may differ from your TV.

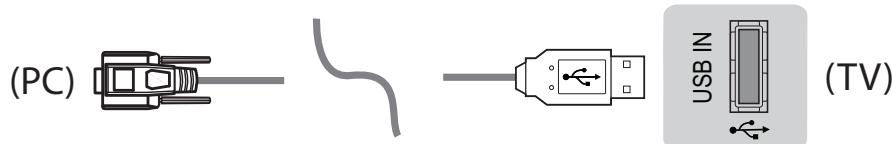
Connect the USB to Serial converter/RS-232C input jack to an external control device (such as a computer or an A/V control system) to control the product's functions externally.

Note: The type of control port on the TV can be different between model series.

- \* Please be advised that not all models support this type of connectivity.
- \* Cable is not provided.

## USB to Serial converter with USB Cable

USB Type



- LGTV supports PL2303 chip-based (Vendor ID : 0x0557, Product ID : 0x2008) USB to serial converter which is not made nor provided by LG.
- It can be purchased from computer stores that carry accessories for IT support professionals.

## RS-232C With RS232C Cable

DE9 (D-Sub 9pin) Type

- You need to purchase the RS-232C (DE9, D-Sub 9pin female-to-female type) to RS-232C cable required for the connection between the PC and the TV, which is specified in the manual.

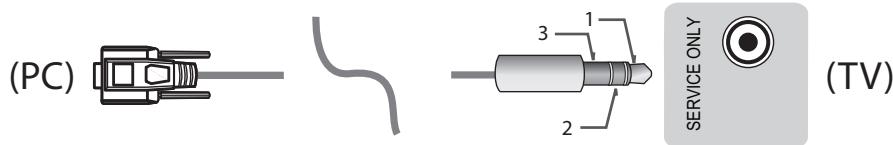


The connection interface may differ from your TV.

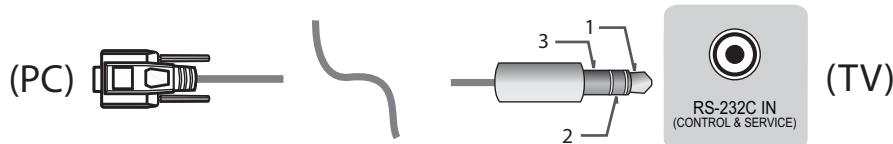
## 4 EXTERNAL CONTROL DEVICE SETUP

### Phone jack Type

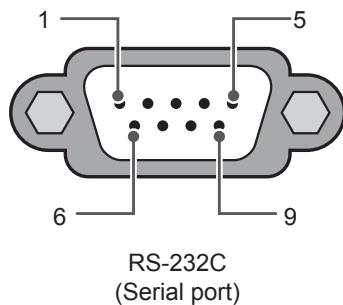
- You need to purchase the phone-jack to RS-232 cable required for the connection between the PC and the TV, which is specified in the manual.
- \* For other models, connect to the USB port.
- \* The connection interface may differ from your TV.



- or



### Customer Computer



### RS-232C configurations

3-Wire Configurations(Not standard)

	PC	TV	
RXD	2	●————— 2	TXD
TXD	3	●————— 1	RXD
GND	5	●————— 3	GND
OR			
RXD	3	●————— 2	TXD
TXD	2	●————— 1	RXD
GND	5	●————— 3	GND
D-Sub 9		Phone	

### Set ID

For Set ID number, see "Real Data Mapping" on p.6

- Press **SETTINGS** to access the main menus.
  - Press the Navigation buttons to scroll to (\*General → About this TV or OPTION) and press **OK**.
  - Press the Navigation buttons to scroll to **SET ID** and press **OK**.
  - Scroll left or right to select a set ID number and select **CLOSE**. The adjustment range is 1-99.
  - When you are finished, press **EXIT**.
- \* (Depending on model)

## Communication Parameters

- Baud rate : 9600 bps (UART)
- Data length : 8 bits
- Parity : None
- Stop bit : 1 bit
- Communication code : ASCII code
- Use a crossed (reverse) cable.

## Command reference list

(Depending on model)

	COMMAND1	COMMAND2	DATA (Hexadecimal)		COMMAND1	COMMAND2	DATA (Hexadecimal)
01. Power*	k	a	00 to 01	15. Balance	k	t	00 to 64
02. Aspect Ratio	k	c	(p.7)	16. Color (Colour) Temperature	x	u	00 to 64
03. Screen Mute	k	d	(p.7)	17. ISM Method (Only Plasma TV)	j	p	(p.8)
04. Volume Mute	k	e	00 to 01	18. Equalizer	j	v	(p.8)
05. Volume Control	k	f	00 to 64	19. Energy Saving	j	q	00 to 05
06. Contrast	k	g	00 to 64	20. Tune Command	m	a	(p.9)
07. Brightness	k	h	00 to 64	21. Channel (Programme) Add/Del(Skip)	m	b	00 to 01
08. Color/ Colour	k	i	00 to 64	22. Key	m	c	Key Codes
09. Tint	k	j	00 to 64	23. Control Backlight, Control Panel Light	m	g	00 to 64
10. Sharpness	k	k	00 to 32	24. Input select (Main)	x	b	(p.11)
11. OSD Select	k	l	00 to 01	25. 3D (Only 3D models)	x	t	(p.11)
12. Remote Control Lock Mode	k	m	00 to 01	26. Extended 3D (Only 3D models)	x	v	(p.12)
13. Treble	k	r	00 to 64	27. Auto Configure	j	u	(p.12)
14. Bass	k	s	00 to 64				

\* Note: During playing or recording media, all commands except Power (ka) and Key (mc) are not executed and treated as NG.

With RS232C cable, TV can communicate "ka command" in power-on or power-off status. but with USB-to-Serial converter cable, the command works only if TV is on.

## Transmission / Receiving Protocol

### Transmission

[Command1][Command2][ ][Set ID][ ][Data][Cr]

[Command 1] : First command to control the TV. (j, k, m or x)

[Command 2] : Second command to control the TV.

[Set ID] : You can adjust the [Set ID] to choose desired monitor ID number in option menu.

Adjustment range in TV is 1 to 99. If [Set ID] value is selected to '0', every connected set can be controlled.

\* [Set ID] is indicated as decimal (1 to 99) on menu and as Hexadecimal (0x00 to 0x63) on transmission/receiving protocol.

[DATA] : To transmit command data (hexadecimal). Transmit 'FF' data to read status of command.

[Cr] : Carriage Return - ASCII code '0x0D'

[ ] : Space – ASCII code '0x20'

### OK Acknowledgement

[Command2][ ][Set ID][ ][OK][Data][x]

\* The set transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

### Error Acknowledgement

[Command2][ ][Set ID][ ][NG][Data][x]

\* The set transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 00: Illegal Code

### Real data mapping (Hexadecimal → Decimal)

\* When you enter the [data] in hexadecimal, refer to following conversion table.

\* Channel Tune (ma) Command uses two-byte hexadecimal value([data]) to select channel number.

00 : Step 0	32 : Step 50 (Set ID 50)	FE : Step 254
01 : Step 1 (Set ID 1)	33 : Step 51 (Set ID 51)	FF : Step 255
...	...	...
0A : Step 10 (Set ID 10)	63 : Step 99 (Set ID 99)	01 00 : Step 256
...	...	...
0F : Step 15 (Set ID 15)	C7 : Step 199	27 0E : Step 9998
10 : Step 16 (Set ID 16)	C8 : Step 200	27 0F : Step 9999
...	...	...

\* Commands may work differently depending on model and signal.

### 01. Power (Command: k a)

- To control Power \*On or Off of the set.

```
Transmission[k][a][ ][Set ID][ ][Data][Cr]
```

Data 00 : Power Off      01 : \*Power On

```
Ack [a][ ][Set ID][ ][OK/NG][Data][x]
```

- To Show TV is Power On or \*Off

```
Transmission [k][a][ ][Set ID][ ][FF][Cr]
```

```
Ack [a][ ][Set ID][ ][OK][Data][x]
```

\* Similarly, if other functions transmit 'FF' data based on this format, Acknowledgement feedback presents status about each function.

### 02. Aspect Ratio (Command: k c)

(Main Picture Size)

- To adjust the screen format. (Main picture format)  
You can also adjust the screen format using the Aspect Ratio in the Q.MENU. or PICTURE menu.

```
Transmission [k][c][ ][Set ID][ ][Data][Cr]
```

Data 01 : Normal screen	07 : 14:9 (4:3) 02 : Wide screen (16:9)	(Europe, Colombia, Mid-East, Asia except South Korea and Japan)
04 : Zoom	09 : * Just Scan	
05 : Zoom 2 (Latin America except Colombia Only)	0B : Full Wide (Europe, Colombia, Mid- East, Asia except South Korea and Japan)	
06 : Set by Program/ Original	10 to 1F : Cinema Zoom 1 to 16 0c : 21:9 (Depending on model)	

```
Ack [c][ ][Set ID][ ][OK/NG][Data][x]
```

- \* Using the PC input, you select either 16:9 or 4:3 screen aspect ratio.
- \* In DTV/HDMI/Component mode (high-definition), Just Scan is available.
- \* Full wide mode may work differently based on model and is supported for DTV fully, and ATV, AV partially.

### 03. Screen Mute (Command: k d)

- To select screen mute on/off.

```
Transmission [k][d][ ][Set ID][ ][Data][Cr]
```

Data 00 : Screen mute off (Picture on)

Video mute off

01 : Screen mute on (Picture off)

10 : Video mute on

```
Ack [d][ ][Set ID][ ][OK/NG][Data][x]
```

\* In case of video mute on only, TV will display On Screen Display(OSD). But, in case of Screen mute on, TV will not display OSD.

### 04. Volume Mute (Command: k e)

- To control volume mute on/off.

You can also adjust mute using the MUTE button on remote control.

```
Transmission [k][e][ ][Set ID][ ][Data][Cr]
```

Data 00 : Volume mute on (Volume off)

01 : Volume mute off (Volume on)

```
Ack [e][ ][Set ID][ ][OK/NG][Data][x]
```

### 05. Volume Control (Command: k f)

- To adjust volume.

You can also adjust volume with the volume buttons on remote control.

```
Transmission [k][f][ ][Set ID][ ][Data][Cr]
```

Data Min : 00 to Max : 64

```
Ack [f][ ][Set ID][ ][OK/NG][Data][x]
```

### 06. Contrast (Command: k g)

- To adjust screen contrast.

You can also adjust contrast in the PICTURE menu.

```
Transmission [k][g][ ][Set ID][ ][Data][Cr]
```

Data Min : 00 to Max : 64

```
Ack [g][ ][Set ID][ ][OK/NG][Data][x]
```

### 07. Brightness (Command: k h)

- To adjust screen brightness.

You can also adjust brightness in the PICTURE menu.

```
Transmission [k][h][ ][Set ID][ ][Data][Cr]
```

Data Min : 00 to Max : 64

```
Ack [h][ ][Set ID][ ][OK/NG][Data][x]
```

## 8 EXTERNAL CONTROL DEVICE SETUP

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### 08. Color/Colour (Command: k i)

- ▶ To adjust the screen Color(Colour).  
You can also adjust colour in the PICTURE menu.

Transmission [k][i][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [i][ ][Set ID][ ][OK/NG][Data][x]

### 09. Tint (Command: k j)

- ▶ To adjust the screen tint.  
You can also adjust tint in the PICTURE menu.

Transmission [k][j][ ][Set ID][ ][Data][Cr]

Data Red : 00 to Green : 64

Ack [j][ ][Set ID][ ][OK/NG][Data][x]

### 10. Sharpness (Command: k k)

- ▶ To adjust the screen sharpness.  
You can also adjust sharpness in the PICTURE menu.

Transmission [k][k][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 32

Ack [k][ ][Set ID][ ][OK/NG][Data][x]

### 11. OSD Select (Command: k l)

- ▶ To select OSD (On Screen Display) on/off when controlling remotely.

Transmission [k][l][ ][Set ID][ ][Data][Cr]

Data 00 : OSD off      01 : OSD on

Ack [l][ ][Set ID][ ][OK/NG][Data][x]

### 12. Remote control lock mode (Command: k m)

- ▶ To lock the front panel controls on the monitor and remote control.

Transmission [k][m][ ][Set ID][ ][Data][Cr]

Data 00 : Lock off      01 : Lock on

Ack [m][ ][Set ID][ ][OK/NG][Data][x]

- \* If you are not using the remote control, use this mode.

When main power is off & on (plug-off and plug-in, after 20 - 30 seconds), external control lock is released.

- \* In the standby mode (DC off by off timer or 'ka', 'mc' command), and if key lock is on, TV will not turn on by power on key of IR & Local Key.

### 13. Treble (Command: k r)

- ▶ To adjust treble.  
You can also adjust in the AUDIO menu.

Transmission [k][r][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [r][ ][Set ID][ ][OK/NG][Data][x]

\* (Depending on model)

### 14. Bass (Command: k s)

- ▶ To adjust Bass.  
You can also adjust in the AUDIO menu.

Transmission [k][s][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [s][ ][Set ID][ ][OK/NG][Data][x]

\* (Depending on model)

### 15. Balance (Command: k t)

- ▶ To adjust balance.  
You can also adjust balance in the AUDIO menu.

Transmission [k][t][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [t][ ][Set ID][ ][OK/NG][Data][x]

### 16. Color(Colour) Temperature (Command: x u)

- ▶ To adjust colour temperature. You can also adjust Color(Colour) Temperature in the PICTURE menu.

Transmission [x][u][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [u][ ][Set ID][ ][OK/NG][Data][x]

### 17. ISM Method (Command: j p) (Only Plasma TV)

- ▶ To control the ISM method. You can also adjust ISM Method in OPTION menu.

Transmission [j][p][ ][Set ID][ ][Data][Cr]

Data Min : 02: Orbiter

08: Normal

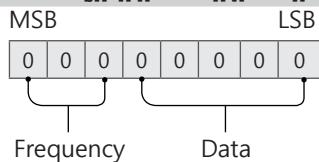
20: Color(Colour) Wash

Ack [p][ ][Set ID][ ][OK/NG][Data][x]

## 18. Equalizer (Command : j v)

- ▶ Adjust EQ of the set.

Transmission [j][v][ ][Set ID][ ][Data][Cr]



7	6	5	Frequency	4	3	2	1	0	Step
0	0	0	1st Band	0	0	0	0	0	0(decimal)
0	0	1	2nd Band	0	0	0	0	1	1(decimal)
0	1	0	3rd Band	...	...	...	...	...	...
0	1	1	4th Band	1	0	0	1	1	19(decimal)
1	0	0	5th Band	1	0	1	0	1	20(decimal)

Acknowledgement [v][ ][Set ID][ ][OK/NG][Data][x]

- \* It depends on model, and can adjust when sound mode is EQ adjustable value.

## 19. Energy Saving (Command: j q)

- ▶ To reduce the power consumption of the TV. You can also adjust Energy Saving in PICTURE menu.

Transmission [j][q][ ][Set ID][ ][Data][Cr]

### Data

- 00 : Off
- 01 : Minimum
- 02 : Medium
- 03 : Maximum
- 04 : Auto (For LCD TV / LED TV) / Intelligent sensor (For PDP TV)
- 05 : Screen off

- \* (Depending on model)

Ack [q][ ][Set ID][ ][OK/NG][Data][x]

## 20. Tune Command (Command: m a)

- \* This command may work differently depending on model and signal.
- ▶ For Europe, Mid-East, Colombia, Asia except South Korea and Japan Model
- ▶ Select channel to following physical number.

Transmission [m][a][ ][Set ID][ ][Data 00][ ]

[Data 01][ ][Data 02][Cr]

- \* Analog Antenna/Cable

[Data 00][Data 01] Channel Data  
Data 00 : High byte channel data  
Data 01 : Low byte channel data  
- 00 00 ~ 00 C7 (Decimal : 0 ~ 199)

Data 02 : Input Source (Analog)

- 00 : Antenna TV (ATV)
- 80 : Cable TV (CATV)

- \* Digital Antenna/Cable/Satellite

[Data 00][Data 01]: Channel Data

Data 00 : High Channel data

Data 01 : Low Channel data

- 00 00 ~ 27 0F (Decimal: 0 ~ 9999)

Data 02 : Input Source (Digital)

- 10 : Antenna TV (DTV)
- 20 : Antenna Radio (Radio)
- 40 : Satellite TV (SDTV)
- 50 : Satellite Radio (S-Radio)
- 90 : Cable TV (CADTV)
- a0 : Cable Radio (CA-Radio)

### \* Tune Command Examples:

1. Tune to the Analog antenna (PAL) Channel 10.

Set ID = All = 00

Data 00 & 01 = Channel Data is 10 = 00 0a

Data 02 = Analog Antenna TV = 00

Result = ma 00 00 0a 00

2. Tune to the digital antenna (DVB-T) Channel 01.

Set ID = All = 00

Data 00 & 01 = Channel Data is 1 = 00 01

Data 02 = Digital Antenna TV = 10

Result = ma 00 00 01 10

3. Tune to the satellite (DVB-S) Channel 1000.

Set ID = All = 00

Data 00 & 01 = Channel Data is 1000 = 03 E8

Data 02 = Digital Satellite TV = 40

Result = ma 00 03 E8 40

Ack [a][ ][Set ID][ ][OK][Data 00][Data 01]

[Data 02][x][a][ ][Set ID][ ][NG][Data 00][x]

- For South Korea, North/Latin America except Colombia Model

- ▶ To tune channel to following physical/major/minor number.

Transmission [m][a][ ][0][ ][Data00][ ][Data01]

[ ][Data02][ ][Data03][ ][Data04][ ][Data05][Cr]

Digital channels have a Physical, Major, and Minor channel number. The Physical number is the actual digital channel number, the Major is the number that the channel should be mapped to, and the Minor is the sub-channel. Since the ATSC tuner automatically maps the channel from the Major / Minor number, the Physical number is not required when sending a command in Digital.

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---

### \* Analog Antenna/Cable

Data 00 : Physical Channel Number

- Antenna (ATV) : 02~45 (Decimal: 2 ~ 69)
- Cable (CATV) : 01, 0E~7D (Decimal : 1, 14~125)

[Data 01 ~ 04]: Major/Minor Channel Number

Data 01 & 02: xx (Don't care)

Data 03 & 04: xx (Don't care)

Data 05: Input Source (Analog)

- 00 : Antenna TV (ATV)
- 01 : Cable TV (CATV)

### \* Digital Antenna/Cable

Data 00 : xx (Don't care)

[Data 01][Data 02]: Major Channel Number

Data 01 : High byte Channel Data

Data 02 : Low byte Channel Data

- 00 01 ~ 27 0F (Decimal: 1 ~ 9999)

[Data 03][Data 04]: Minor Channel Number

Data 03 : High byte Channel Data

Data 04 : Low byte Channel Data

Data 05 : Input Source (Digital)

- 02 : Antenna TV (DTV) – Use Physical Channel Number
- 06 : Cable TV (CADTV) – Use Physical Channel Number
- 22 : Antenna TV (DTV) – Don't Use Physical Channel Number
- 26 : Cable TV (CADTV) - Don't Use Physical Channel Number
- 46 : Cable TV (CADTV) – Use Physical/Major Channel Number Only (One Part Channel)
- 66 : Cable TV (CADTV) – Use Major Channel Number Only (One Part Channel)
- 0b : Cable DTV Plus – Use Physical Channel Number
- 2b : Cable DTV Plus – Don't Use Physical Channel Number
- 4b : Cable DTV Plus – Use Physical/Major Channel Number Only (One Part Channel)
- 6b : Cable DTV Plus – Use Major Channel Number Only (One Part Channel)

Two bytes are available for each major and minor channel data, but usually the low byte is used alone (high byte is 0).

### \* Tune Command Examples:

1. Tune to the Analog cable (NTSC) channel 35.

Set ID = All = 00

Data 00 = Channel Data is 35 = 23

Data 01 & 02 = No Major = 00 00

Data 03 &amp; 04 = No Minor = 00 00

Data 05 = Analog Cable TV = 01

Total = **ma 00 23 00 00 00 00 01**

2. Tune to the digital antenna (ATSC) channel 30-3.

Set ID = All = 00

Data 00 = Don't know Physical = 00

Data 01 & 02 = Major is 30 = 00 1E

Data 03 & 04 = Minor is 3 = 00 03

Data 05 = Digital Antenna TV = 22

Total = **ma 00 00 00 1E 00 03 22**

Ack [a][ ][Set ID][ ][OK][Data 00][Data 01]

[Data 02][Data 03][Data 04][Data 05]

[x][a][ ][Set ID][ ][NG][Data 00][x]

### • For Japan Model

- To tune channel to following physical/major/minor number.

Transmission [m][a][ ][0][ ][Data00][ ][Data01]

[ ][Data02][ ][Data03][ ][Data04][ ][Data05][Cr]

### \* Digital Antenna/Satellite

Data 00: xx (Don't care)

[Data 01][Data 02]: Major Channel Number

Data 01: High byte Channel Data

Data 02: Low byte Channel Data

- 00 01 ~ 27 0F (Decimal: 1 ~ 9999)

[Data 03][Data 04]: Minor/Branch Channel Number  
(Don't care in Satellite)

Data 03: High byte Channel Data

Data 04: Low byte Channel Data

Data 05 : Input Source (Digital/Satellite for Japan)

- 02 : Antenna TV (DTV) – Use Physical/Major Channel Number Only (One Part Channel)
- 42 : Antenna TV (DTV) – Use Physical/Major Channel Number Only (One Part Channel)
- 62 : Antenna TV (DTV) – Use Major Channel Number Only (One Part Channel)
- 07 : BS (Broadcasting Satellite)
- 08 : CS1 (Communication Satellite 1)
- 09 : CS2 (Communication Satellite 2)

### \* Tune Command Examples:

1 Tune to the digital antenna (ISDB-T) channel 17-1.

Set ID = All = 00

Data 00 = Don't know Physical = 00

Data 01 & 02 = Major is 17 = 00 11

Data 03 & 04 = Minor/Branch is 1 = 00 01

Data 05 = Digital Antenna TV = 02

Total = **ma 00 00 00 11 00 01 02**

2. Tune to the BS (ISDB-BS) channel 30.

Set ID = All = 00

Data 00 = Don't know Physical = 00

Data 01 & 02 = Major is 30 = 00 1E

Data 03 & 04 = Don't Care = 00 00

Data 05 = Digital BS TV = 07

Total = ma 00 00 00 1E 00 00 07

\* This feature is varied based on the model.

Ack [a][ ][Set ID][ ][OK][Data 00][Data 01]

[Data 02][Data 03][Data 04][Data 05]

[x][a][ ][Set ID][ ][NG][Data 00][x]

21. Channel(Programme) Add/Del(Skip)

(Command: m b)

► To skip current channel(programme) for next time.

Transmission [m][b][ ][Set ID][ ][Data][Cr]

Data 00 : Del(ATSC,ISDB)/Skip(DVB) 01 : Add

Ack [b][ ][Set ID][ ][OK/NG][Data][x]

\* Set the saved channel status to del(ATSC, ISDB)/skip(DVB) or add.

22. Key (Command: m c)

► To send IR remote key code.

Transmission [m][c][ ][Set ID][ ][Data][Cr]

Data Key code - p.2.

Ack [c][ ][Set ID][ ][OK/NG][Data][x]

23. Control Backlight (Command: m g)

• For LCD TV / LED TV

► To control the backlight.

Transmission [m][g][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [g][ ][Set ID][ ][OK/NG][Data][x]

Control Panel Light (Command: m g)

• For Plasma TV

► To control the panel light.

Transmission [m][g][ ][Set ID][ ][Data][Cr]

Data Min : 00 to Max : 64

Ack [g][ ][Set ID][ ][OK/NG][Data][x]

24. Input select (Command: x b)

(Main Picture Input)

► To select input source for main picture.

Transmission [x][b][ ][Set ID][ ][Data][Cr]

Data

00 : DTV	01 : CADTV
----------	------------

02 : Satellite DTV	10 : ATV
--------------------	----------

ISDB-BS (Japan)

03 : ISDB-CS1 (Japan)
-----------------------

04 : ISDB-CS2 (Japan)
-----------------------

11 : CATV
-----------

20 : AV or AV1	21 : AV2
----------------	----------

40 : Component1	41 : Component2
-----------------	-----------------

60 : RGB
----------

90 : HDMI1	91 : HDMI2
------------	------------

92 : HDMI3	93 : HDMI4
------------	------------

Ack [b][ ][Set ID][ ][OK/NG][Data][x]

\* This function depends on model and signal.

25. 3D(Command: x t) (only 3D models)

(Depending on model)

► To change 3D mode for TV.

Transmission [x][t][ ][Set ID][ ][Data 00][ ][Data 01]

[ ][Data 02][ ][Data 03][Cr]

\* (Depending on model)

Data Structure

[Data 00] 00 : 3D On

01 : 3D Off

02 : 3D to 2D

03 : 2D to 3D

[Data 01] 00 : Top and Bottom

01 : Side by Side

02 : Check Board

03 : Frame Sequential

04 : Column interleaving

05 : Row interleaving

[Data 02] 00 : Right to Left

01 : Left to Right

[Data 03] 3D Effect(3D Depth): Min : 00 - Max : 14

(\*transmit by Hexadecimal code)

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- \* [Data 02], [Data 03] functions depend on model and signal.
- \* If [Data 00] is 00 (3D On), [Data 03] has no meaning.
- \* If [Data 00] is 01 (3D off) or 02 (3D to 2D), [Data 01], [Data 02] and [Data 03] have no meaning.
- \* If [Data 00] is 03 (2D to 3D), [Data 01] and [Data 02] have no meaning.
- \* If [Data 00] is 00 (3D On) or 03 (2D to 3D), [Data 03] works when 3D Mode (Genre) is manual only.
- \* All 3D pattern options ([Data 01]) may not be available according to broadcasting/video signal.

[Data 00]	[Data 01]	[Data 02]	[Data 03]
00	O	O	O
01	X	X	X
02	X	X	X
03	X	O	O

X : don't care

```
Ack [t][ ][Set ID][ ][OK][Data00][Data01][Data02]
[Data03][x]
[t][ ][Set ID][ ][NG][Data00][x]
```

26. Extended 3D(Command: x v) (only 3D models)  
(Depending on model)

► To change 3D option for TV.

```
Transmission [x][v][ ][Set ID][ ][Data 00][ ]
[Data 01][Cr]
```

[Data 00] 3D option

00 : 3D Picture Correction  
01 : 3D Depth (3D Mode is Manual Only)  
02 : 3D Viewpoint  
06 : 3D Color Correction  
07 : 3D Sound Zooming  
08 : Normal Image View  
09 : 3D Mode (Genre)

[Data 01] It has own range for each 3D option determined by [Data 00].

1) When [Data 00] is 00

00 : Right to Left  
01 : Left to Right

2) When [Data 00] is 01, 02

Data Min: 0 - Max: 14 (\*transmit by Hexadecimal code)

Data value range(0 - 20) converts Viewpoint range (-10 - +10) automatically (Depending on model)

\* This option works when 3D Mode (Genre) is manual only.

3) When [Data 00] is 06, 07

00 : Off

01 : On

4) When [Data 00] is 08

00 : Revert to 3D video from 3D-to-2D converted 2D video

01 : Change 3D video to 2D video, except 2D-to-3D video

\* If conversion condition doesn't meet, command is treated as NG.

5) When [Data 00] is 09

00 : Standard	01 : Sport
02 : Cinema	03 : Extreme
04 : Manual	05 : Auto

```
Ack [v][ ][Set ID][ ][OK][Data00][Data01][x]
[v][ ][Set ID][ ][NG][Data00][x]
```

27. Auto Configure (Command: j u)  
(Depending on model)

► To adjust picture position and minimize image shaking automatically. It works only in RGB (PC) mode.

```
Transmission [j][u][ ][Set ID][ ][Data][Cr]
```

Data 01 : To set Auto Configure

```
Ack [u][ ][Set ID][ ][OK/NG][Data][x]
```



**ENGLISH****Easy Setup Guide**

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

**ESPAÑOL****Guía Rápida de Configuración**

Lea atentamente este manual antes de poner en marcha el equipo y consérvelo para futuras consultas.

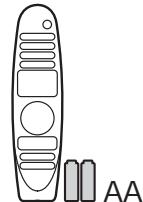
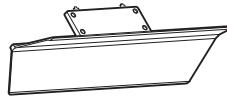
**FRANÇAIS****Guide de configuration rapide**

Avant d'utiliser l'appareil, veuillez lire attentivement ce manuel et le conserver pour pouvoir vous y reporter ultérieurement.

**OLED TV**

OLED55C7P

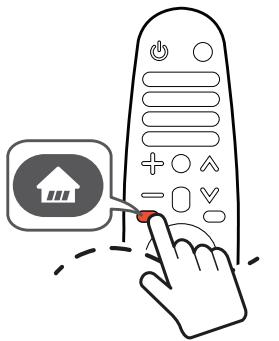
OLED65C7P

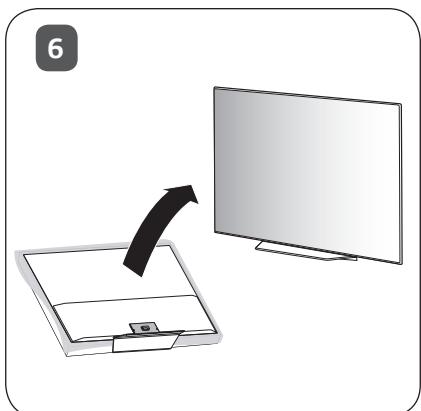
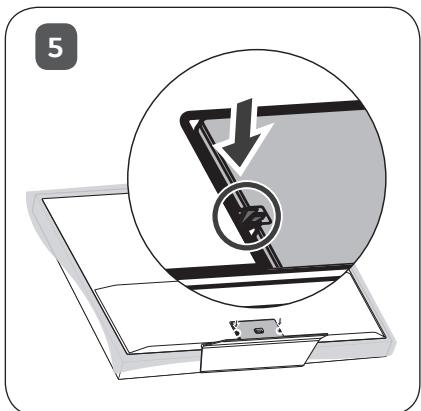
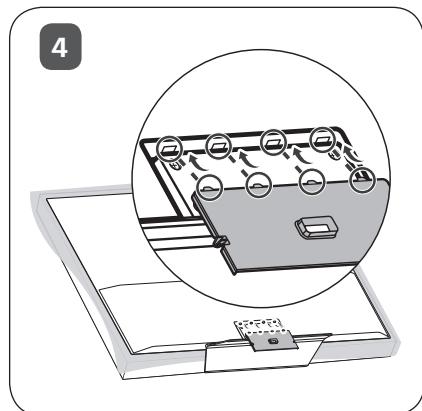
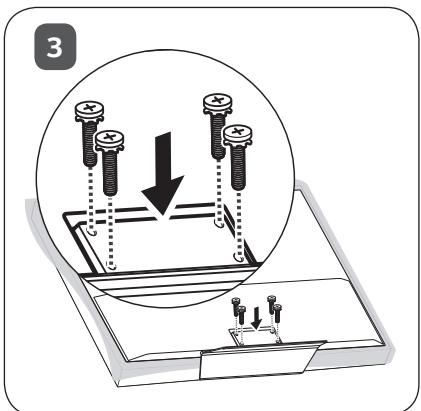
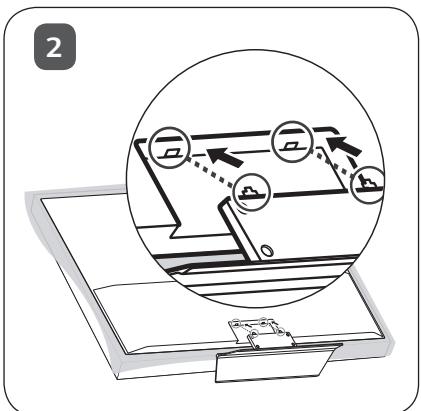
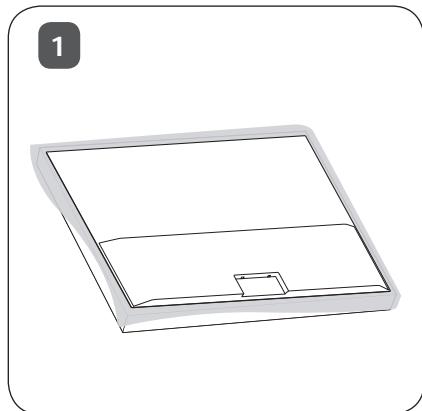
 X 4  
(M4 x L12)[www.lg.com](http://www.lg.com)

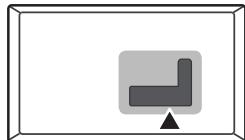
P/No: MFL69648402 (1702-REV01)



**ENGLISH** Read **Safety & Reference**.  
**ESPAÑOL** Leer **Seguridad y Consultas**.  
**FRANÇAIS** Lisez **Sécurité et références**.







[www.lg.com/us/support](http://www.lg.com/us/support)

#### **ENGLISH**

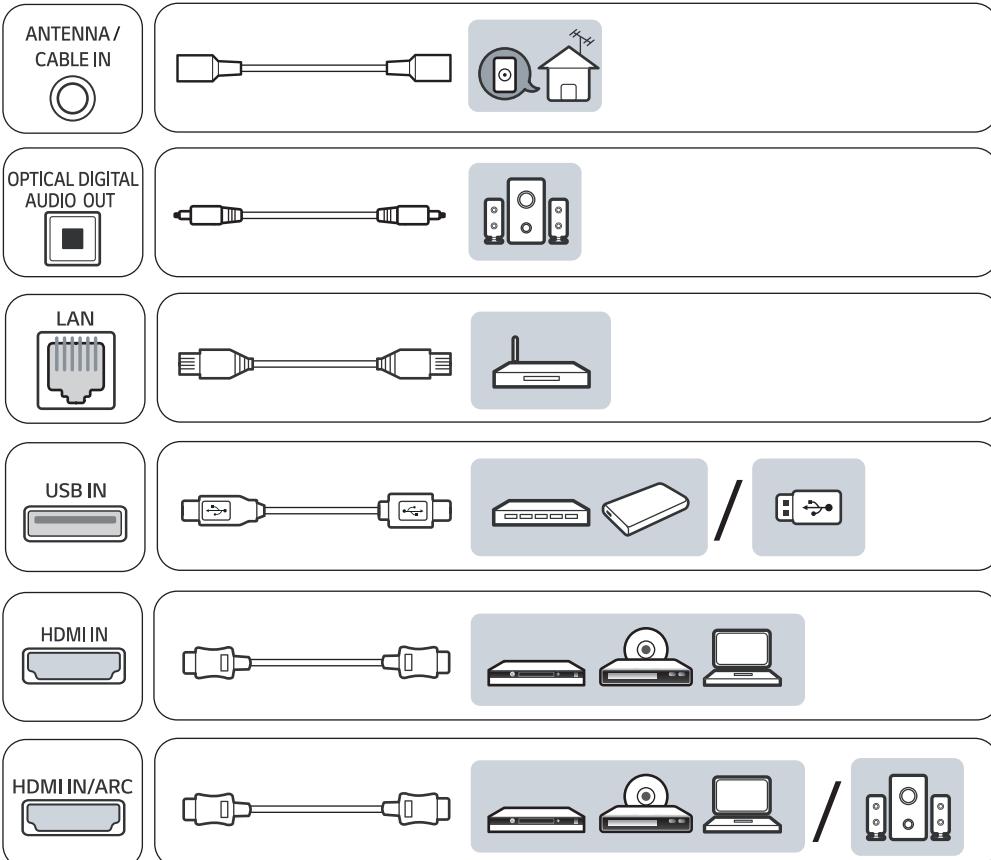
Easy TV Connect Guide  
(Animation)

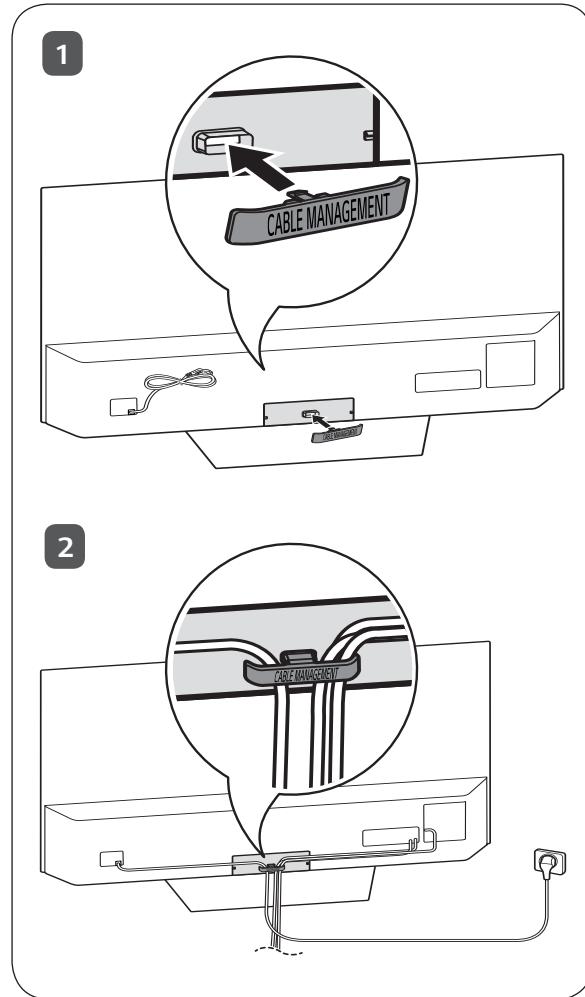
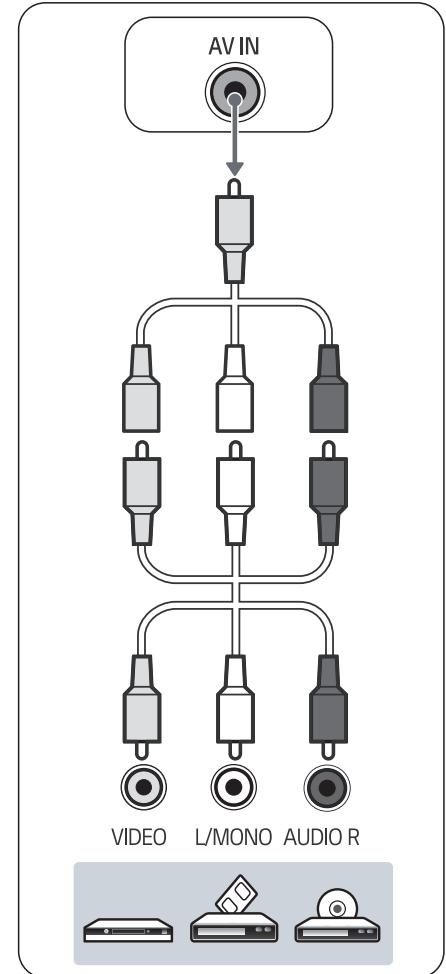
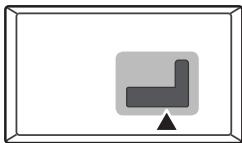
#### **ESPAÑOL**

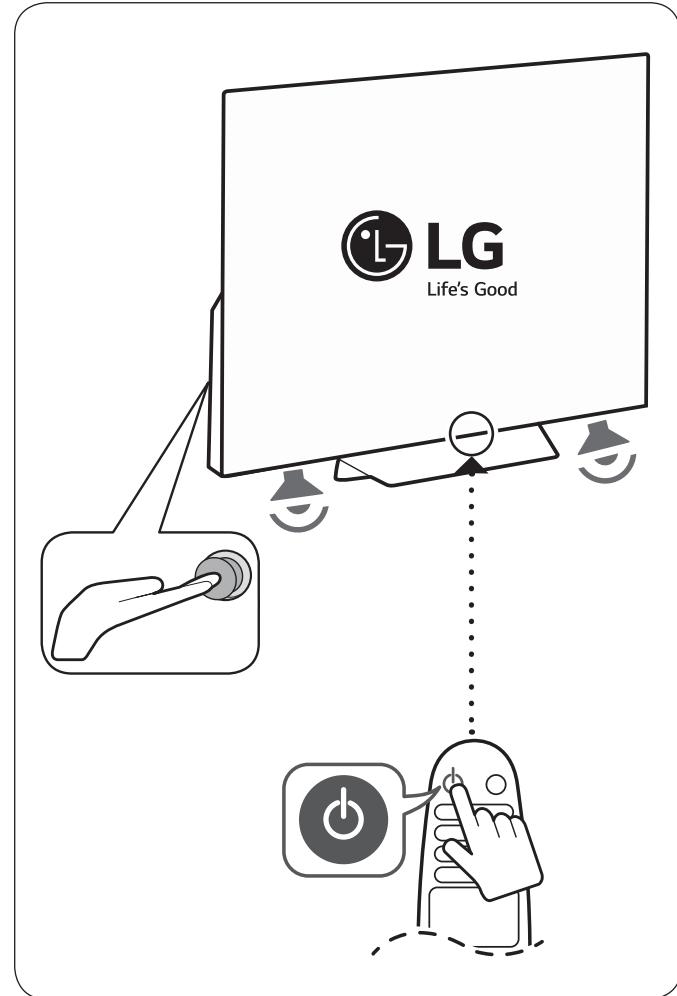
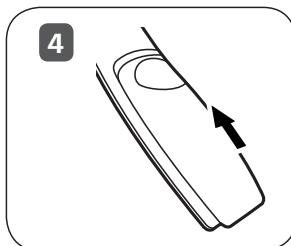
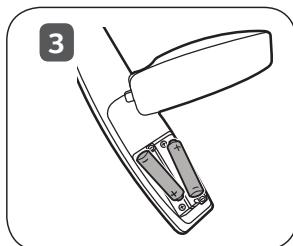
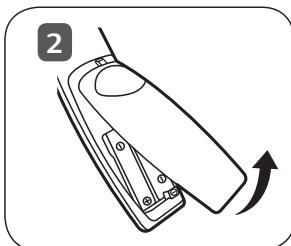
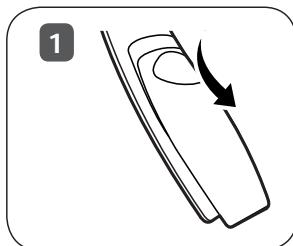
Guía Rápida de Conexión del televisor  
(Sólo en Inglés)

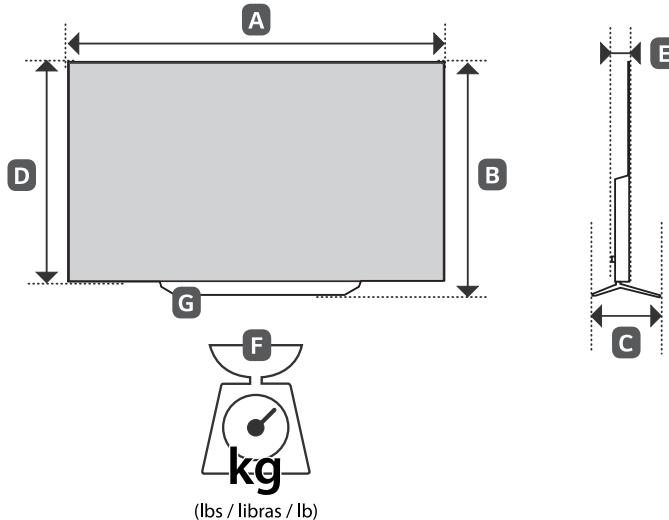
#### **FRANÇAIS**

Guide simplifié pour la connexion du  
téléviseur (Offert en anglais seulement)









**A, B, C, D, E** : mm (inches / pulgadas / po)  
**F, G** : kg (lbs / libras / lb)

MODELS									Current value / Power consumption					
MODELOS	A		B		C		D		E		F		F - G	
MODÈLES									Corriente de consumo / Consumo de potencia				Valeur courante / Consommation électrique	
OLED55C7P-U	1,230 (48.4)	1 230 (48,4)	750 (29.5)	750 (29,5)	217 (8.5)	217 (8,5)	710 (27.9)	710 (27,9)	46.6 (1.8)	46.6 (1,8)	19.2 (42.3)	19.2 (42,3)	17.3 (38.1)	17.3 (38,1)
OLED65C7P-U	1,453 (57.2)	1 453 (57,2)	873 (34.3)	873 (34,3)	217 (8.5)	217 (8,5)	833 (32.7)	833 (32,7)	46.6 (1.8)	46.6 (1,8)	24.7 (54.4)	24.7 (54,4)	22.8 (50.2)	22.8 (50,2)
Power requirement / Alimentación requerida / Alimentation								AC 120 V ~ 50 / 60 Hz						

\*



M F F L 6 9 6 6 4 8 8 4 0 0 2 \*



User's Guide  
**LG TONE PLATINUM™**  
**Bluetooth® Wireless Stereo Headset**

ENGLISH

ESPAÑOL



**Rev 2.0 US**

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Please read the Important Safety Information for the proper use of this product.  
After reading, store this User's Guide in an easily accessible place for all users.

**NOTE:** Please read all information carefully prior to using the HBS-1100 in order to enjoy the best performance and prevent damage to the product.

**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Call (800) 243-0000 for more information.

***Wash hands after handling.***

HBS-1100

[www.lg.com](http://www.lg.com)

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The LG TONE PLATINUM (HBS-1100) is a lightweight wireless headset that uses *Bluetooth* technology. This product can be used as an audio accessory for devices supporting either the A2DP or Hands-Free *Bluetooth* Profile.

## Safety Cautions

### ⚠ CAUTION

- Do not disassemble, adjust, or repair the product arbitrarily.
- Do not place the product near excessive heat or flammable material.
- Do not arbitrarily replace the battery as it may explode.
- The product may be damaged if an incompatible charger is used.
- Make sure that any infant or child does not swallow a magnet or a small component of the product.
- Make sure that foreign objects do not enter the charger's connectors (charging port and power plug). Failing to do so may result in fire or electric shock.
- For your safety, do not wear the product while it is being charged.
- If you have a medical device implanted, contact your doctor before use.
- Do not pull the earphone cable with excessive force.
- For your safety, do not remove the battery incorporated in the product.
- Lithium-ion polymer Battery is hazardous component which can cause injury.
- Battery replacement by non-qualified professional can cause damage to your device.
- The battery should be recycled or disposed separately from household wastes.

### ⚠ WARNING

- Do not drop the product from a high place.
- Make sure there is no water, alcohol, or benzene in contact with the product.
- Do not store the product in a wet or dusty place.
- Do not place any heavy objects on the product.
- This product is not waterproof. Avoid humidity and water.

### ! NOTE

- If the product is exposed to excessive sweat, clean the product.
- Keep the earbud of the earphone always clean.

## HD Speaker

If the communication network of the device you are connecting to supports HD Voice Calling, you can enjoy making voice calls and listening to music in high definition.

## Qualcomm® aptX™ / Qualcomm® aptX™ HD audio

LG HBS-1100 is powered by Qualcomm aptX / Qualcomm aptX HD audio. Qualcomm aptX / Qualcomm aptX HD audio is *Bluetooth* wireless technology that provides clearer audio for listening to music and watching movies.

Qualcomm aptX / Qualcomm aptX HD audio is automatically enabled when a mobile phone or audio device supports it.

Qualcomm aptX HD audio supports 24-bit audio, so you can wirelessly enjoy studio-quality sound.

## Product Components



TONE PLATINUM HBS-1100  
(Medium ear gels installed)



Extra Ear Gels  
(small & large)



Micro USB Charging Cable



User's Guide



Warranty Card



Quick Start Guide



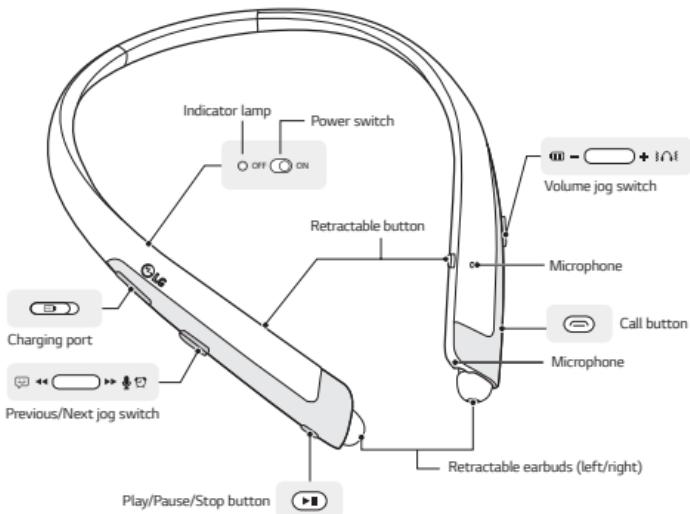
NFC Card

NOTE: Actual product design may differ from images shown in manual.

**CAUTION**

Make sure authentic LG Electronics components are used. Using a non-authentic component may damage the product and thus void the warranty.

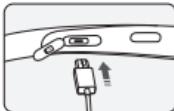
## Product Description



NOTE: When you control the volume (level 16), you will hear a control sound two times or as a long sound from volume level 6 and higher.

## Battery Charging and Alerts

Open the Charging port cover and connect the charger to the Charging port.



If the charging cable is removed while the **Power switch** is ON, the power turns on and the product automatically connects to the device whose connection settings have been completed.

Slide and hold the **Volume jog switch** in the volume down (-) direction for 1 second to check the Indicator lamp and battery level by voice.

Battery Status	Sufficient	Normal	Insufficient
Indicator Lamp	Blue flashes three times	Purple flashes three times	Red flashes three times

## HBS-1100 Pairing and Connecting

If you start the process after putting in your earbuds, you can easily pair and connect following the voice prompts.

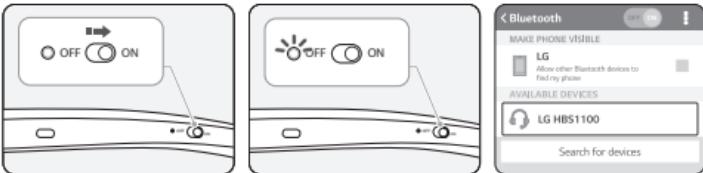
NOTE: If you are prompted for the authorization code (PIN Code), type **0000**.

If you hear that the battery is insufficient, recharge the battery before proceeding with pairing.

If pairing is not completed within 3 minutes, the power automatically turns off. When the power automatically turns off, slide the **Power switch** from the OFF to the ON position to turn the power on.



## Connecting Quickly



- 1 Slide the **Power switch** towards the ON position to turn on the power.
- 2 The blue Indicator lamp turns on and the HBS-1100 switches to Search mode.
- 3 From the mobile phone or device list, select **LG HBS1100** to connect.
- 4 A voice message will indicate that the connection is completed.
- 5 Use the same process to pair the HBS-1100 with other devices.

## Connecting Manually

- 1 Press and hold the **Call button** and slide the **Power switch** to the ON position to turn it on.
- 2 The blue Indicator lamp turns on and the HBS-1100 switches to Search mode.
- 3 Select **LG HBS1100** from the device list to connect.

## Multiple Connections

The HBS-1100 can be connected to a mobile phone and a PC simultaneously.

NOTE: If simultaneously connected to two devices, the main functions work based on the "Main Connected Device."

- 1 Press and hold the **Call button** and slide the **Power switch** to the ON position to turn it on.
- 2 Perform Steps 2 to 4 in "Connecting Quickly." This device becomes the "Main Connected Device."
- 3 Try to connect to HBS-1100 using a previously connected device. This device becomes the "Sub Connected Device."

### NFC Connection (When the device to be connected supports NFC)

- 1 Activate the Read NFC Tag mode and *Bluetooth* function of the device to be connected.
- 2 Press and hold the **Call button** and slide the **Power switch** to the ON position to turn on the power.
- 3 The blue status Indicator lamp turns on, and the product switches to Search mode.
- 4 Place the tag of the NFC card to the NFC antenna area of the device to be connected.  
(The location of the NFC antenna may differ depending on the product.)
- 5 In the notification window of the device, press "Yes" to connect the product to the device.  
**NOTE:** If you place the NFC tag of the product against the NFC antenna of the connected device, the connection is lost. If the connection is lost, place the NFC tag against the NFC antenna again.
- 6 Repeat the procedure to connect to another device.

### Automatic Reconnection

If you turn on the product, it automatically searches for and connects to the devices ("Main Connected Device" and "Sub Connected Device") to which it was previously connected.  
(If the product cannot find the device to which it was connected last time, the product switches to Search mode.)

If the product does not automatically connect to the device you want, search for your product in the device you want to connect to and connect it manually.

## Indicator Lamp

HBS-1100 Status	Description
Power On	The blue Indicator lamp flashes four times.
Power Off	The blue Indicator lamp flashes four times.
Search Mode	The blue Indicator lamp is on.
Headset/Hands-free Profile Connected	The blue Indicator lamp flashes once every 5 seconds.
Call Connected	The blue Indicator lamp flashes once every 5 seconds.

## Mobile Calling Functions

Functions	Description
Receiving a Call/ Hanging Up	Briefly press the <b>Call button</b> . If you want to turn off the Vibration function of the product, briefly slide the <b>Volume jog switch</b> in the volume down (-) direction.
Making a Call	If you make a call using a mobile phone, the call is automatically connected to the HBS-1100. On some mobile phones, you should briefly press the <b>Play/Pause/Stop button</b> two times to switch calls.
Redial	Press and hold the <b>Call button</b> for more than 1 second to place a call to the last number you called.
Voice Dial	Briefly press the <b>Call button</b> . If the mobile phone does not support the Voice Dial function, you can use the Redial function.
Switching Calls	Briefly press the <b>Play/Pause/Stop button</b> two times during a call. (Every time you press one of these buttons, the call switches to the mobile phone or the HBS-1100.)
Receiving a Call While on the Phone	You can receive another call while on the phone by pressing and holding the <b>Call button</b> for 1 second. The existing call switches to a call waiting status. Press and hold the <b>Call button</b> again for 1 second to switch back to the previous call. Briefly press the <b>Call button</b> to hang up in the middle of a call or to hang up both calls. (It works differently depending on the mobile phone settings.)
Rejecting a Call	Press and hold the <b>Call button</b> for 2 seconds.
Enabling/ Disabling Mute	Simultaneously slide and hold the <b>Volume jog switch</b> in the volume up (+) direction, and slide the <b>Previous/Next jog switch</b> in the <b>◀◀</b> position for 1 second.

CAUTION: Do not disable/enable the mute while driving, as you need to use both hands.

NOTE: The Voice Dial and Redial functions work on the Main Connected Device or on the device on which you made the last call. (The Voice Dial and Redial functions may work differently depending on the mobile phone being used.)

## Playing Music

Functions	Description
Play	Briefly press the <b>Play/Pause/Stop button</b> . Music will play from the activated player of the connected device.
Pause	Briefly press the <b>Play/Pause/Stop button</b> .
Stop	Press and hold the <b>Play/Pause/Stop button</b> for 1 second.
Play Previous/ Next Song	Briefly slide the <b>Previous/Next jog switch</b> in the <b>◀◀</b> or <b>▶▶</b> position.
Fast Rewind/Forward	Slide the <b>Previous/Next jog switch</b> in the <b>◀◀</b> or <b>▶▶</b> direction until you reach the desired section of the track.
Change Equalizer Mode	Briefly press the <b>Play/Pause/Stop button</b> twice. Changes modes with a beeping sound in the following order Bass Boost (default) > Tone Platinum > Treble Boost.  NOTE: The Tone Platinum mode is an EQ mode optimized for the BA unit used in HBS-1100.

### Switching Music Players

If you stop in the middle of playback and then play music on either of the two connected devices, the HBS-1100's music playback and control changes to that device.

### Vibration Alert Settings

Slide and hold the **Volume jog switch** in the volume up (+) direction for 2 seconds when the HBS-1100 is not in use.

If you turn off the vibration alerts, it will not vibrate even when a call is being received or you are out of communication range.

NOTE: The vibration alert is automatically set to the ON when you turn on the power.

## Out of Range

If the device connected to the product is out of effective communication range (33 feet / 10 meters), the communication signal becomes weak and the communication is lost.

If the device comes back within effective communication range, the product automatically reconnects to the device. If the device is not automatically reconnected, press the **Call button** on the product to connect to it manually.

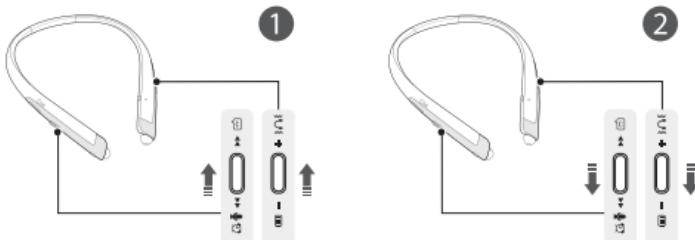
If a device that is not in use goes out of communication range when multiple devices are connected, the product vibrates and a voice message indicates that the connection is lost. In this case, the automatic reconnection function is not supported.

## Find Me (Find my phone)

To find handset, simultaneously slide and hold the **Volume jog switch** and the **Previous/Next jog switch** in the same direction for 1 second as shown in figures 1 and 2.

For example,

- 1 Simultaneously slide and hold the **Volume jog switch** in the volume up (+) direction and the **Previous/Next jog switch** in the **◀◀** position for 1 second.
- 2 Simultaneously slide and hold the **Volume jog switch** in the volume down (-) direction and the **Previous/Next jog switch** in the **▶▶** position for 1 second.



## Voice Command

When there is an incoming call, you can accept or reject the call by saying "answer" or "ignore".  
(English Only)

To activate or deactivate device Voice Command, simultaneously press and hold the **Call button** and **Play/Pause/Stop button** for 1 second. You will hear "Voice Command on" or "Voice Command off" when it is activated or deactivated. Default is off.

NOTE: Voice Command will not work while the headset is vibrating for an incoming call.

## LG Tone & Talk

Tone & Talk supports various functions including text and voice directions, and calling. Search for "LG Tone & Talk" in the Google Play™ store (Android™ OS) or in the App Store® (iOS) to install Tone & Talk. You can scan the QR code on the right to install Tone & Talk.

NOTE: Some features in Tone & Talk may not be activated on iOS devices.



Google Play



App Store

Function	Action
Current Time Alert	1. Go to Tone & Talk and select <b>Current time alert</b> . 2. Slide and hold the <b>Previous/Next jog switch</b> to the <b>&gt;&gt;</b> position for 1 second.
Voice Memo	1. Go to Tone & Talk and select <b>Voice memo</b> . 2. Slide and hold the <b>Previous/Next jog switch</b> to the <b>&gt;&gt;</b> position for 1 second. (This feature may not be supported on some devices.)
Reading Recent Messages	Slide and hold the <b>Previous/Next jog switch</b> in the <b>&lt;&lt;</b> position for 1 second.
Find Me (Find my phone)	Simultaneously slide and hold the <b>Volume jog switch</b> and <b>Previous/Next jog switch</b> in the same direction for 1 second.
Using Speed Dial to Make a Call	1. Go to Tone & Talk and select a speed dial contact. 2. Briefly press the <b>Call button</b> two times. (The number should be specified in the Tone & Talk app.)
Using Favorites to Make a Call	1. Go to Tone & Talk and select a favorite contact. 2. Briefly press the <b>Call button</b> two times. 3. Slide and hold the <b>Previous/Next jog switch</b> to the <b>&lt;&lt;</b> or <b>&gt;&gt;</b> position for 1 second to select a number. 4. Briefly press the <b>Call button</b> two times.

Making a Call from Call History	1.Go to Tone & Talk and select <b>Call History</b> . 2.Briefly press the <b>Call button</b> two times. 3.Slide and hold the <b>Previous/Next jog switch</b> to the <b>◀◀ or ▶▶</b> position for 1 second to select a Call History number. 4.Briefly press the <b>Call button</b> two times.
Changing the voice prompt language	1.Select <b>Advanced &gt; View more</b> in Tone & Talk. 2.Select <b>Voice prompt language</b> to change the language.

NOTE: The Current Time Alert and the Voice Memo features cannot be used at the same time.  
You can only use one function at a time when you make selections in the Tone & Talk app.

## Summary of HBS-1100 Functions

Function	HBS-1100 Status	Action
Power On	Power off	Slide the <b>Power switch</b> to the ON position.
Power Off	Power on	Slide the <b>Power switch</b> to the OFF position.
Volume Up	Talking/Music on	Slide the <b>Volume jog switch</b> to the volume up (+) position.
Volume Down	Talking/Music on	Slide the <b>Volume jog switch</b> to the volume down (-) position.
Transferring a Call	Talking	Press the <b>Play/Pause/Stop button</b> twice.
Answering a Call	Ringing	Briefly press the <b>Call button</b> .
Stop Incoming Call Vibration Alerting	Ringing	Briefly slide the <b>Volume jog switch</b> to the volume down (-) position.
Vibration On/Off	Idle	Slide and hold the <b>Volume jog switch</b> to the volume up (+) position for 2 seconds.
Find Me (Find my phone)	Power on	Simultaneously slide and hold the <b>Volume jog switch</b> and <b>Previous/Next jog switch</b> in the same direction for 1 second.
Voice Command On/Off	Idle	Simultaneously press and hold the <b>Call button</b> and <b>Play/Pause/Stop button</b> for 1 second.

Ending a Call	Talking	Briefly press the <b>Call button</b> .
Call Waiting	Talking	Press and hold the <b>Call button</b> for 1 second.
Last Number Redial	Idle	Press and hold the <b>Call button</b> for 1 second.
Voice Dialing (Handset Must Support)	Idle	Briefly press the <b>Call button</b> .
Call Reject	Ringing	Press and hold the <b>Call button</b> for 2 seconds.
Mic Mute On/Off	Talking	Simultaneously slide and hold the <b>Volume jog switch</b> to the volume up (+) position and the <b>Previous/Next jog switch</b> to the <b>◀◀</b> position for 1 second.
Pairing Mode (Manual)	Power off	Simultaneously press and hold the <b>Call button</b> and slide the <b>Power switch</b> to the ON position for 2 seconds.
Battery Status Check	Idle	Slide and hold the <b>Volume jog switch</b> to the volume down (-) position for 1 second.
Play	Power on	Briefly press the <b>Play/Pause/Stop button</b> .
Pause	Music on	Briefly press the <b>Play/Pause/Stop button</b> .
Stop	Music on	Press and hold the <b>Play/Pause/Stop button</b> for 1 second.
Next Song	Music on	Briefly slide the <b>Previous/Next jog switch</b> to the <b>▶▶</b> position.
Previous Song	Music on	Briefly slide the <b>Previous/Next jog switch</b> to the <b>◀◀</b> position.
Fast Forward	Music on	Slide and hold the <b>Previous/Next jog switch</b> in the <b>▶▶</b> position.
Rewind	Music on	Slide and hold the <b>Previous/Next jog switch</b> in the <b>◀◀</b> position.
Equalizer Settings	Music on	Briefly press the <b>Play/Pause/Stop button</b> twice.

## Troubleshooting

Problems	Solutions
The power does not turn on	Check the battery level and charge it.
Cannot make a call with the HBS-1100	If the mobile phone does not support headset and hands-free functions, you cannot use the calling features. Check the battery level and charge it.
Cannot register the HBS-1100 to the mobile phone	Check whether the HBS-1100 is turned on. Check whether the HBS-1100 is in Search mode. - Simultaneously press and hold the <b>Call button</b> and slide the <b>Power switch</b> to the ON position and the HBS-1100 switches to Search mode.
The sound is low	Control the sound level of the device connected to the HBS-1100.

## Specifications and Features

Item	Comments
Bluetooth Specifications	V 4.1 (Headset/Hands-Free/A2DP/GATT)
Battery	Battery 3.7 V / 220 mAh, Lithium-ion polymer
Standby Time	Up to 17.3 days*
Talk Time	Up to 11 hours*
Music Play Time	Up to 10 hours*
Charging Time	Less than 2 hours
Rated Input Voltage	DC 4.75 V - 5.3 V, 400 mA
Operating Temperature	-10 °C (+14 °F) – +50 °C (+122 °F)
Dimensions/Weight	6.0" (W) X 7.04" (L) x 0.5" (H) / 2.05 oz
Operating Frequency	2402 MHz to 2480 MHz

\*Certain features may use more power and cause actual time to vary.

## Declaration of Confirmation

### FCC NOTICE TO USERS:

This device complies with part 15 of the FCC rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the manufacturer (or party responsible) for compliance could void the user's authority to operate the equipment.

### FCC Part 15.105 statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### IMPORTANT NOTE:

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void the user's authority to operate the device.

Bluetooth® is a registered trademark of Bluetooth SIG, Inc. worldwide.

Qualcomm® aptX™ / Qualcomm® aptX™ HD audio are products of Qualcomm Technologies International, Ltd.



ENGLISH

## Additional Information

### 1. Radio frequency exposure

This *Bluetooth* Wireless Stereo Headset HBS-1100 is a radio transmitter and receiver. When in operation it communicates with a *Bluetooth* equipped mobile device by receiving and transmitting radio frequency (RF) electromagnetic fields (microwaves) in the frequency range 2.4 to 2.4835 GHz. Your *Bluetooth* headset is designed to operate in compliance with the RF exposure guidelines and limits set by national authorities and international health agencies when used with any compatible LG Electronics mobile phone.

### 2. *Bluetooth* Connection Precautions

The following environments affect the range and reception of *Bluetooth* signals:

- When walls, metal, human bodies, or other obstacles exist between the *Bluetooth* device and the connected device
- When equipment that uses 2.4 GHz frequency signals (Wireless LANs, wireless phones, microwave ovens, etc.) is placed near the devices being used

### 3. Potentially explosive atmosphere

Turn off your electronic device when in any area with a potentially explosive atmosphere. Although this is uncommon, your electronic device could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Areas with a potentially explosive atmosphere are often, but not always, clearly marked.

## 4. Emergency calls

### IMPORTANT!

This *Bluetooth* headset and the electronic device connected to the headset operate using radio signals, mobile and landline networks as well as user-programmed functions, which cannot guarantee connection under all conditions. Therefore you should never rely solely upon any electronic device for essential communications (e.g. medical emergencies). Remember; in order to make or receive calls, the headset and the electronic device connected to the headset must be switched on and in a service area with adequate mobile signal strength. Emergency calls may not be possible on all mobile phone networks or when certain network services and/or phone features are in use. Check with your local service provider.

## 5. Battery information

A rechargeable battery has a long service life if treated properly. A new battery or one that has not been used for a long period of time could have reduced capacity the first few times it is used. Do not expose the battery to extreme temperatures, never above +50 °C (+122 °F) or below -10 °C (+14 °F). For maximum battery capacity, use the battery at room temperature. If the battery is used in low temperatures, the battery capacity will be reduced. The battery can only be charged in temperatures between +10 °C (+50 °F) and +45 °C (+113 °F).

## 6. Recycling the battery in your *Bluetooth* headset

The battery in your *Bluetooth* headset must be disposed of properly and should never be placed in municipal waste. The LG Electronics service partner who removes the battery will dispose of it according to local regulations.

## 7. Conditions

- The warranty is valid only if the original receipt issued to the original purchaser by the dealer, specifying the date of purchase and serial number, is presented with the product to be repaired or replaced. LG Electronics reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product from the dealer.
- If LG Electronics repairs or replaces the product, the repaired or replaced product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer. Repair or replacement may involve the use of functionally equivalent reconditioned units. Replaced parts or components will become the property of LG Electronics.
- This Warranty does not cover any failure of the product due to normal wear and tear, or due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with instructions for use and maintenance of the product. Nor does this warranty cover any failure of the product due to accident, modification or adjustment, acts of God or damage resulting from liquid.

- This warranty does not cover product failures due to improper repair installations, modifications or service performed by a non-LG Electronics authorized person. Tampering with any of the seals on the product will void the warranty.
- THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL LG ELECTRONICS OR ITS VENDORS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.
- Some countries/states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you. The warranty provided does not affect the consumer's statutory rights under applicable national legislation in force, nor the consumer's rights against the dealer arising from their sales/purchase contract.

## Limited Warranty

Subject to the conditions of this Limited Warranty, LG Electronics warrants this product to be free from defects in design, material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year. Should your product need warranty service, please return it to the dealer from whom it was purchased or contact your local LG Electronics contact center to get further information.

## Important Safety Information



### Avoiding hearing damage

Permanent hearing loss may occur if you use your headset at a high volume.

Set the volume to a safe level. Over time you can become accustomed to a higher volume that may sound normal but can be damaging to your hearing.

If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected.

Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use the headset at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

### Using headsets safely

Use of headsets to listen to music while operating a vehicle is not recommended and is illegal in some areas. Be careful and attentive while driving. Stop using this device if you find it disruptive or distracting while operating any type of vehicle or performing any other activity that requires your full attention.



# Guía del usuario LG TONE PLATINUM™

Auriculares estéreo inalámbricos con Bluetooth®

ESPAÑOL



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Lea las Información importante de seguridad para poder utilizar este producto correctamente.

Después de leerla, guarde esta Guía del usuario en un lugar al que todos los usuarios puedan acceder fácilmente.

**NOTA:** Lea toda la información detenidamente antes de utilizar los HBS-1100 para obtener el mejor rendimiento y evitar daños en el producto.

**ADVERTENCIA:** Este producto contiene químicos conocidos en el Estado de California por causar cáncer y defectos de nacimiento u otros daños reproductivos. Llame al (800) 243-0000 para obtener más información.

*Lávese las manos después de manipular.*

HBS-1100

[www.lg.com](http://www.lg.com)

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Los auriculares LG TONE PLATINUM (HBS-1100) son unos auriculares inalámbricos ligeros que utilizan la tecnología *Bluetooth*.

Este producto puede utilizarse como accesorio de audio en dispositivos compatibles con el perfil A2DP o *Bluetooth* manos libres.

## Precauciones de seguridad

### ⚠ PRECAUCIÓN

No desmonte, ajuste ni repare el producto arbitrariamente.

No ubique el producto cerca de calor excesivo o materiales inflamables.

No sustituya arbitrariamente la batería, ya que podría explotar.

El producto podría sufrir daños si se utiliza un cargador incompatible.

Asegúrese de que los bebés y los niños no se traguen imanes ni otros componentes de pequeño tamaño del producto.

Asegúrese de que no entren objetos extraños en los conectores del cargador (puerto de carga y enchufe de alimentación). De lo contrario, podría provocar descargas eléctricas o incendios.

Para su seguridad, no use el producto mientras la batería se está cargando.

Si tiene un dispositivo médico implantado, póngase en contacto con su doctor antes de utilizar este producto.

No jale del cable de los auriculares con excesiva fuerza.

Por su seguridad, no quite la batería que viene incorporada en el producto.

La batería de polímero de iones de litio es un componente peligroso que puede causar lesiones.

Si el dispositivo puede resultar con daños si el reemplazo de la batería lo realiza un profesional no calificado.

La batería debe reciclarse o desecharse en forma separada de los residuos domésticos.

### ⚠ ADVERTENCIA

No deje caer el producto desde lugares altos.

Asegúrese de que el producto no entre en contacto con agua, alcohol ni benceno.

No guarde el producto en lugares húmedos o llenos de polvo.

No coloque objetos pesados sobre el producto.

Este producto no es impermeable. Evite la humedad y el agua.

### ⚠ NOTA

Si el producto se expone a sudor excesivo, límpie el producto.

Mantenga el adaptador de los auriculares siempre limpio.

## Altavoz en alta definición

Si la red de comunicación del dispositivo al que se está conectando admite Llamadas de voz en alta definición, podrá realizar llamadas de voz y escuchar música en alta definición.

## Qualcomm® aptX™ / Qualcomm® aptX™ HD audio

El LG HBS-1100 cuenta con tecnología de audio HD Qualcomm aptX / Qualcomm aptX. El audio HD Qualcomm aptX / Qualcomm aptX es una tecnología inalámbrica *Bluetooth* que ofrece mayor nitidez de audio para escuchar música y ver películas.

El audio HD Qualcomm aptX / Qualcomm aptX se activa automáticamente con los teléfonos móviles o dispositivos de audio compatibles.

El audio HD Qualcomm aptX es compatible con audio de 24 bits, lo que permite disfrutar de un sonido con calidad de estudio sin cables.

## Componentes del producto



TONE PLATINUM  
HBS-1100  
(adaptadores para oído de tamaño medio incluidos)



Adaptadores para oído adicionales  
(pequeños y grandes)



Cable de carga  
micro USB



Guía del usuario



Tarjeta de garantía



Guía de inicio rápido



Tarjeta NFC

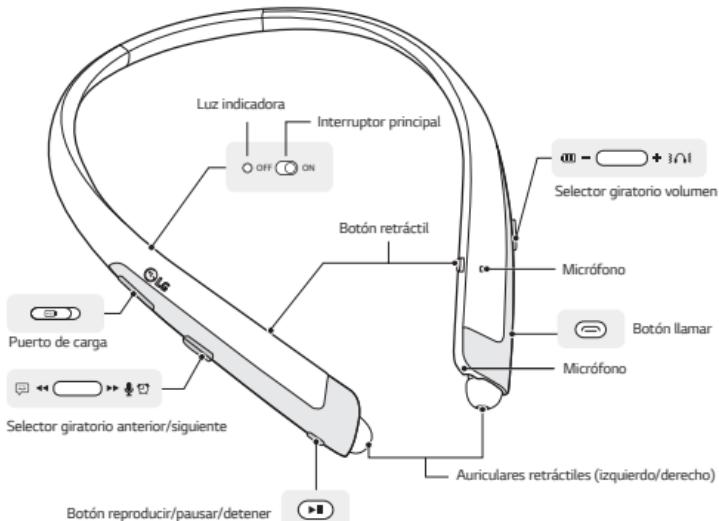
NOTA: El diseño real del producto podría variar con respecto a las imágenes que aparecen en el manual.

## **⚠ PRECAUCIÓN**

Asegúrese de utilizar componentes auténticos de LG Electronics. De lo contrario, el producto podría sufrir daños, lo que anularía la garantía.

ESPAÑOL

## Descripción del producto

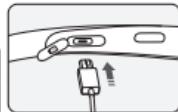


NOTA: Cuando controle el volumen (nivel 16), oirá un sonido de control dos veces o como un sonido largo a partir del nivel de volumen 6 o superior.

## Carga de la batería y alertas

Abra la cubierta del Puerto de carga y conecte el cargador al Puerto de carga.

Luz indicadora	Rojo	Púrpura	Azul
Estado de la batería	Cargando	80 %	Completado



Si el cable de carga se desconecta mientras el **Interruptor principal** está encendido, el producto se enciende y se conecta automáticamente al dispositivo cuyos ajustes de conexión han sido completados.

Deslice el **Selector giratorio volumen** en la dirección “-” y manténgalo durante 1 segundo para comprobar el nivel de batería y la luz indicadora a través de la voz.

Estado de la batería	Suficiente	Normal	Insuficiente
Luz indicadora	Parpadea en azul tres veces	Parpadea en morado tres veces	Parpadea en rojo tres veces

## Vinculación y conexión de los HBS-1100

Si inicia el proceso después de colocarse los auriculares, podrá vincular y conectarlos fácilmente siguiendo las instrucciones de voz.

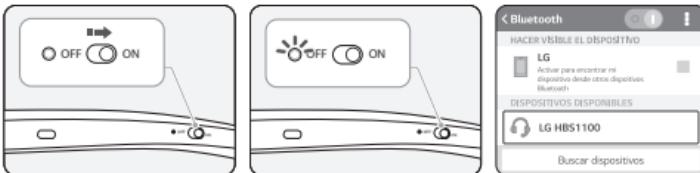
NOTA: Si se le solicita el código de autorización (Código PIN), indique **0000**.

Si oye que el nivel de batería es insuficiente, recargue la batería antes de continuar con el vincular.

Si el vincular no se completa en 3 minutos, los auriculares se apagaran automáticamente. Cuando el dispositivo se apague automáticamente, deslice el **Interruptor principal** de OFF a la posición ON para encender el dispositivo.



## Conexión rápida



- 1 Deslice el **Interruptor principal** hacia la posición ON para encender el dispositivo.
- 2 La luz indicadora azul se encenderá y los HBS-1100 cambiarán al modo de Búsqueda.
- 3 Desde la lista de celulares o dispositivos, seleccione **LG HBS1100** para realizar la conexión.
- 4 Un mensaje de voz indicará que la conexión se ha realizado correctamente.
- 5 Utilice el mismo proceso para vincular el HBS-1100 con otros dispositivos.

## Conexión manual

- 1 Mantenga presionado el **Botón llamar** y deslice el **Interruptor principal** hacia la posición ON para encender el dispositivo.
- 2 La luz indicadora azul se encenderá y los HBS-1100 cambiarán al modo de Búsqueda.
- 3 Seleccione **LG HBS1100** en la lista de dispositivos para realizar la conexión.

## Varias conexiones

Los HBS-1100 pueden conectarse a un celular y a una PC al mismo tiempo.

**NOTA:** Si se conectan al mismo tiempo a dos dispositivos, las funciones principales funcionarán según el "Dispositivo conectado principal".

- 1 Mantenga presionado el **Botón llamar** y deslice el **Interruptor principal** hacia la posición ON para encender el dispositivo.
- 2 Realice los pasos del 2 al 4 en "Conexión rápida". Este dispositivo se convertirá en el "Dispositivo conectado principal".
- 3 Intente conectar los HBS-1100 utilizando un dispositivo conectado anteriormente. Este dispositivo se convertirá en el "Dispositivo conectado secundario".

## Conexión NFC (Cuando el dispositivo que va a ser conectado soporta NFC)

- 1 Active el modo Leer etiqueta NFC y la función *Bluetooth* del dispositivo que desea conectar.
- 2 Mantenga presionado el **Botón llamar** y deslice el **Interruptor principal** hacia la posición ON para encender el dispositivo.
- 3 La luz indicadora de estado azul se encenderá y el producto cambiará al modo de Búsqueda.
- 4 Coloque la etiqueta de la tarjeta NFC sobre el área de la antena NFC del dispositivo que desea conectar. (La ubicación de la antena NFC podría variar en función del producto).
- 5 En la ventana de notificaciones del dispositivo, presione "Sí" para conectar el producto al dispositivo.  
NOTA : Si coloca la etiqueta NFC del producto contra la antena NFC del dispositivo conectado, la conexión se pierde. Si se pierde la conexión, vuelva a contactar la etiqueta NFC con la antena NFC.
- 6 Repita el procedimiento para realizar la conexión con otro dispositivo.

## Reconexión automática

Si enciende el producto, este busca y se conecta en forma automática a los aparatos ("Dispositivo conectado principal" y "Dispositivo conectado secundario") a los que estaba anteriormente conectado. (Si el producto no puede encontrar el último aparato al que se conectó, el producto cambia al modo de búsqueda).

Si el producto no se conecta automáticamente al dispositivo que desea, busque su producto en el dispositivo al que deseé conectarse y realice la conexión de forma manual.

## Luz indicadora

Estado de los HBS-1100	Descripción
Encendido	La luz indicadora azul parpadea cuatro veces.
Apagado	La luz indicadora azul parpadea cuatro veces.
Modo de búsqueda	La luz indicadora azul está encendida.
Perfil de auriculares/ manos libres conectado	La luz indicadora azul parpadea una vez cada 5 segundos.
Llamada conectada	La luz indicadora azul parpadea una vez cada 5 segundos.

## Funciones de llamada a través del celular

Funciones	Descripción
Recibir una llamada/ Colgar	Presione brevemente el <b>Botón llamar</b> . Si desea desactivar la función de Vibración del producto, deslice brevemente el <b>Selector giratorio volumen</b> hacia la dirección “+”.
Realizar una llamada	Si realiza una llamada con un celular, la llamada se conectará automáticamente a los HBS-1100. En algunos celulares, deberá presionar brevemente el <b>Botón reproducir/pausar/detener</b> dos veces para cambiar de llamada.
Rellamada	Mantenga presionado el <b>Botón llamar</b> durante más de 1 segundo para realizar una llamada al último número al que llamó.
Marcado por voz	Presione brevemente el <b>Botón llamar</b> . Si el celular no admite la función de Marcado por voz, puede utilizar la función de Rellamada.
Cambiar de llamada	Presione brevemente el <b>Botón reproducir/pausar/detener</b> dos veces durante una llamada. (Cada vez que presione uno de estos botones, la llamada cambiará al celular o a los HBS-1100).
Recibir una llamada mientras habla por teléfono	Puede recibir otra llamada mientras habla por teléfono manteniendo presionado el <b>Botón llamar</b> durante 1 segundo. La llamada existente cambiará al estado de llamada en espera. Mantenga presionado el <b>Botón llamar</b> de nuevo durante 1 segundo para volver a la llamada anterior. Presione brevemente el <b>Botón llamar</b> para colgar en mitad de una llamada o para colgar ambas llamadas. (Funcionará de un modo diferente según la configuración del celular).
Rechazar una llamada	Mantenga presionado el <b>Botón llamar</b> durante 2 segundos.
Activar/ desactivar el silencio	Deslice simultáneamente el <b>Selector giratorio volumen</b> en la dirección “+”; y deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>◀◀</b> y manténgalos durante 1 segundo.

**PRECAUCIÓN:** No desactive/active el silencio mientras maneja el carro, ya que deberá utilizar ambas manos.

**NOTA:** Las funciones de Marcado por voz y Rellamada funcionan en el Dispositivo conectado principal o en el dispositivo en el que realizó la última llamada. (Las funciones de Marcado por voz y Rellamada podrían funcionar de una forma diferente en algunos celulares).

## Reproducción de música

Funciones	Descripción
Reproducir	Presione brevemente el <b>Botón reproducir/pausar/detener</b> . Se reproducirá la música desde el reproductor activado del dispositivo conectado.
Pausar	Presione brevemente el <b>Botón reproducir/pausar/detener</b> .
Detener	Mantenga presionado el <b>Botón reproducir/pausar/detener</b> durante 1 segundo.
Reproducir canción anterior/siguiente	Deslice brevemente el <b>Selector giratorio anterior/siguiente</b> hasta la posición <b>◀◀ o ▶▶</b> .
Rebobinado o avance rápido	Deslice el <b>Selector giratorio anterior/siguiente</b> hasta la posición <b>◀◀ o ▶▶</b> hasta que llegue a la pista deseada.
Cambiar el modo del ecualizador	Presione brevemente el <b>Botón reproducir/pausar/detener</b> dos veces. Cambia el modo con un pitido en el siguiente orden: Mejora de graves (predeterminado) > Tone Platinum > Mejora de agudos. NOTA: El modo Tone Platinum es un modo de ecualización optimizado para la unidad BA utilizada en el HBS-1100.

### Cambio de reproductor de música

Si detiene la reproducción a la mitad y, a continuación, reproduce música en cualquiera de los dos dispositivos conectados, el control y la reproducción de música de los HBS-1100 cambiarán a dicho dispositivo.

## Ajustes de las alertas de vibración

Deslice el **Selector giratorio volumen** en la dirección "+" y manténgalo durante 2 segundos cuando los HBS-1100 no se estén utilizando.

Si desactiva las alertas de vibración, el producto no vibrará aunque se reciba una llamada o esté fuera del rango de comunicación.

NOTA: La alerta de vibración se establece automáticamente en la posición ON al encender el dispositivo.

## Fuera de rango

Si el dispositivo conectado al producto está fuera del rango de comunicación efectiva (10 metros), la señal de comunicación será más débil y se perderá la comunicación.

Si el dispositivo vuelve a estar dentro del rango de comunicación efectiva, el producto volverá a conectarse automáticamente al dispositivo. Si el dispositivo no vuelve a conectarse automáticamente, presione el **Botón llamar** del producto para conectarlo de forma manual.

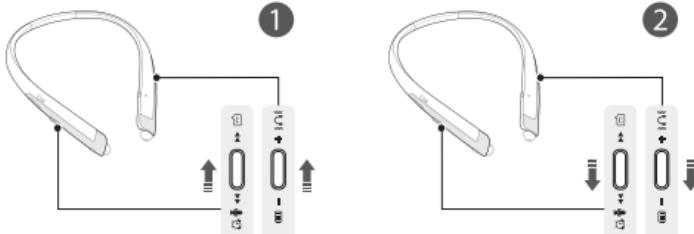
Si un dispositivo que no se está utilizando sale del rango de comunicación cuando hay varios dispositivos conectados, el producto vibrará y un mensaje de voz indicará que se ha perdido la conexión. En este caso, la función de reconexión automática no será compatible.

## Encuéntrame (Encontrar mi teléfono)

Para encontrar los auriculares, deslice simultáneamente el **Selector giratorio volumen** y el **Selector giratorio anterior/siguiente** en la misma dirección y manténgalos durante 1 segundo, como se muestra en las figuras 1 y 2.

Por ejemplo,

- 1 Deslice simultáneamente el **Selector giratorio volumen** hacia la posición "+" y el **Selector giratorio anterior/siguiente** hacia la posición **◀◀** y manténgalos durante 1 segundo.
- 2 Deslice simultáneamente el **Selector giratorio volumen** hacia la posición "-" y el **Selector giratorio anterior/siguiente** hacia la posición **▶▶** y manténgalos durante 1 segundo.



## Comando de voz

Cuando reciba una llamada, puede aceptarla o rechazarla diciendo "answer" o "ignore". (Solo en inglés)

Para activar o desactivar el Comando de voz en el dispositivo, mantenga presionado los botones **Llamar y Reproducir/Pausar/Detener** al mismo tiempo durante un segundo. Escuchará "Voice Command on" o "Voice Command off" cuando se active o desactive. Por defecto: apagado.

NOTA: Comando de voz will not work while the headset is vibrating for an incoming call.

## LG Tone & Talk

Tone & Talk admite varias funciones, incluyendo direcciones de texto y voz, y llamadas. Busque "LG Tone & Talk" en Google Play™ (SO Android™) o App Store® (iOS) para instalar Tone & Talk. Puede escanear el código QR de la derecha para instalar Tone & Talk.

NOTA: Algunas funciones de Tone & Talk podrían no estar activas en los dispositivos iOS.



Google Play



App Store

Función	Acción
Alerta de hora actual	1. Vaya a Tone & Talk y seleccione <b>Alerta de hora actual</b> . 2. Deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición ►► y manténgalo durante 1 segundo.
Nota de voz	1. Vaya a Tone & Talk y seleccione <b>Nota de voz</b> . 2. Deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición ►► y manténgalo durante 1 segundo. (Esta característica podría no ser soportada en algunos dispositivos.)
Leer mensajes recientes	Deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición ◀◀ y manténgalo durante 1 segundo.
Encuéntrame (Encuentra mi teléfono)	Deslice simultáneamente el <b>Selector giratorio volumen</b> y el <b>Selector giratorio anterior/siguiente</b> en la misma dirección y manténgalos durante 1 segundo.
Uso de la marcación rápida para realizar una llamada	1. Vaya a Tone & Talk y seleccione un contacto de marcación rápida. 2. Presione brevemente el <b>Botón llamar</b> dos veces. (El número debe especificarse en la aplicación Tone & Talk).

Uso de los favoritos para realizar una llamada	1. Vaya a Tone & Talk y seleccione un contacto favorito. 2. Presione brevemente el <b>Botón llamar</b> dos veces. 3. Deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>◀◀ o ▶▶</b> y manténgalo durante 1 segundo para seleccionar un número. 4. Presione brevemente el <b>Botón llamar</b> dos veces.
Realizar una llamada desde el Historial de llamadas	1. Vaya a Tone & Talk y seleccione <b>Historial de llamadas</b> . 2. Presione brevemente el <b>Botón llamar</b> dos veces. 3. Deslice el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>◀◀ o ▶▶</b> y manténgalo durante 1 segundo para seleccionar un número del <b>Historial de llamadas</b> . 4. Presione brevemente el <b>Botón llamar</b> dos veces.
Cambio del idioma de la indicación de voz	1. Seleccione <b>Avanzadas &gt; Ver más</b> en Tone & Talk. 2. Seleccione <b>Idioma de la indicación de voz</b> para cambiar el idioma.

NOTA: La Alerta de hora actual y las Nota de voz no pueden ser usadas al mismo tiempo.

Solo puede usar una función cada vez al realizar selecciones en la aplicación Tone & Talk.

## Resumen de las funciones de los HBS-1100

Función	Estado de los HBS-1100	Acción
Encendido	Apagado	Deslice el <b>Interruptor principal</b> hacia la posición ON.
Apagado	Encendido	Deslice el <b>Interruptor principal</b> hacia la posición OFF.
Subir volumen	En conversación/ Escuchando música	Deslice el <b>Selector giratorio volumen</b> hacia la posición "+".
Bajar volumen	En conversación/ Escuchando música	Deslice el <b>Selector giratorio volumen</b> hacia la posición "-".
Transferir una llamada	En conversación	Presione el <b>Botón reproducir/pausar/detener</b> dos veces.
Responder una llamada	Timbre	Presione brevemente el <b>Botón llamar</b> .
Detener alertas de vibración de las llamadas entrantes	Timbre	Deslice brevemente el <b>Selector giratorio volumen</b> hacia la posición "-".
Activar/desactivar vibración	Inactivo	Deslice y mantenga el <b>Selector giratorio volumen</b> hacia la posición "+" durante 2 segundos.
Encuéntrame (Encontrar mi teléfono)	Encendido	Deslice simultáneamente el <b>Selector giratorio volumen</b> y el <b>Selector giratorio anterior/siguiente</b> en la misma dirección y manténgalos durante 1 segundo.

Comandos por voz activados o desactivados	Inactivo	Mantenga presionado los botones <b>Lamar</b> y <b>Reproducir/Pausar/Detener</b> al mismo tiempo durante un segundo.
Finalizar una llamada	En conversación	Presione brevemente el <b>Botón llamar</b> .
Llamada en espera	En conversación	Mantenga presionado el <b>Botón llamar</b> durante 1 segundo.
Rellamada al último número	Inactivo	Mantenga presionado el <b>Botón llamar</b> durante 1 segundo.
Marcado por voz (los auriculares deben admitir esta función)	Inactivo	Presione brevemente el <b>Botón llamar</b> .
Rechazar llamada	Timbre	Mantenga presionado el <b>Botón llamar</b> durante 2 segundos.
Activar/desactivar silencio del micrófono	En conversación	Deslice el <b>Selector giratorio volumen</b> hacia la posición "+" y el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>◀◀</b> y manténgalos durante 1 segundo.
Modo de asociación (Manual)	Apagado	Mantenga presionado simultáneamente el <b>Botón llamar</b> y deslice el <b>Interruptor principal</b> hacia la posición ON al mismo tiempo durante 2 segundos.
Comprobación del estado de la batería	Inactivo	Deslice el <b>Selector giratorio volumen</b> hacia la posición "-" y manténgalos durante 1 segundo.
Reproducir	Encendido	Presione brevemente el <b>Botón reproducir/pausar/detener</b> .
Pausar	Escuchando música	Presione brevemente el <b>Botón reproducir/pausar/detener</b> .
Detener	Escuchando música	Mantenga presionado el <b>Botón reproducir/pausar/detener</b> durante 1 segundo.
Siguiente canción	Escuchando música	Deslice brevemente el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>▶▶</b> .
Canción anterior	Escuchando música	Deslice brevemente el <b>Selector giratorio anterior/siguiente</b> hacia la posición <b>◀◀</b> .
Avanzar rápido	Escuchando música	Deslice y mantenga el <b>Selector giratorio anterior/siguiente</b> en la posición <b>▶▶</b> .
Retroceder	Escuchando música	Deslice y mantenga el <b>Selector giratorio anterior/siguiente</b> en la posición <b>◀◀</b> .
Ajustes del ecualizador	Escuchando música	Presione brevemente el <b>Botón reproducir/pausar/detener</b> dos veces.

## Solución de problemas

Problemas	Soluciones
El producto no se enciende	Compruebe el nivel de batería y cárguela.
No se puede realizar una llamada con los HBS-1100	Si el celular no admite las funciones manos libres y de los auriculares, no podrá utilizar las funciones de llamada. Compruebe el nivel de batería y cárguela.
No se pueden registrar los HBS-1100 en el celular	Compruebe si los HBS-1100 están encendidos. Compruebe si los HBS-1100 se encuentran en el modo de Búsqueda. - Mantenga presionado el <b>Botón llamar</b> , deslizando simultáneamente el <b>Interruptor principal</b> hacia la posición ON y los HBS-1100 cambiarán al modo de Búsqueda.
El sonido es bajo	Controle el nivel de sonido del dispositivo conectado a los HBS-1100.

## Especificaciones y funciones

Elemento	Descripción
Especificaciones de la tecnología Bluetooth	V 4.1 (Auriculares/Manos libres/A2DP/GATT)
Baterías	Batería 3,7 V/220 mAh, Polímero de iones de litio
Tiempo de espera	Hasta 17,3 días*
Tiempo de conversación	Hasta 11 horas*
Tiempo de reproducción de música	Hasta 10 horas*
Tiempo de carga	Menos de 2 horas
Voltaje nominal de entrada	CC 4,75 V - 5,3 V, 400 mA
Temperatura de funcionamiento	-10 °C (+14 °F) ~ +50 °C (+122 °F)
Dimensiones/Peso	6,0" (ancho) X 7,04" (longitud) x 0,50" (altura) / 2,05 oz
Frecuencia de funcionamiento	De 2402 MHz a 2480 MHz

\*Algunas funciones pueden utilizar más poder y hacer que el tiempo real para varíe.

## Aviso de conformidad

### AVISO DE LA FCC PARA LOS USUARIOS

Este dispositivo cumple con la sección 15 de la normativa de la FCC.

El funcionamiento está sujeto a las dos condiciones siguientes:

- (1) Este dispositivo no puede causar interferencia nociva,
- (2) Este dispositivo debe aceptar cualquier interferencia que reciba, incluso la que provoque un funcionamiento no deseado.

Las modificaciones o los cambios que no estén expresamente aprobados por el fabricante (o la parte responsable) del cumplimiento podrían anular la autoridad del usuario para utilizar el producto.

### Declaración del artículo 15.105

Este equipo ha sido evaluado y se ha comprobado que cumple con los límites para un dispositivo digital clase B, conforme el artículo 15 de las reglas de la FCC.

Estos límites han sido diseñados para brindar una protección razonable contra la interferencia dañina en una instalación residencial. Este equipo genera, utiliza y puede irradiar energía de radiofrecuencia y, si no se instala y utiliza de acuerdo con las instrucciones, podría causar interferencia dañina para las comunicaciones radiales. Sin embargo, no existe garantía de que la interferencia no se produzca en una instalación en particular. Si este equipo ocasiona interferencia dañina en la recepción de televisión (lo cual puede determinarse encendiendo y apagando el equipo), se recomienda al usuario que intente corregir la interferencia tomando una o más de las siguientes medidas:

- Reoriente o reubique la antena receptora.
- Aumente la distancia entre el equipo y el receptor.
- Conecte el equipo en un tomacorriente de un circuito diferente de aquel al que está conectado el receptor.
- Consulte al distribuidor o a un técnico de radio/TV experimentado para obtener ayuda.

### NOTA IMPORTANTE:

Para satisfacer los requisitos de exposición a la radiofrecuencia, estipulados por la FCC, no se permite alteración alguna de la antena o del dispositivo. Todo cambio realizado en la antena o el dispositivo podría hacer que el dispositivo supere los requisitos de exposición a la radiofrecuencia; en consecuencia, los derechos del usuario para utilizar el producto podrían quedar anulados.

Bluetooth® es una marca registrada de Bluetooth SIG, Inc., en todo el mundo.

Qualcomm® aptX™ / Qualcomm® aptX™ HD audio son productos de Qualcomm Technologies International, Ltd.



FCC ID: ZNFHBS1100

## Información adicional

### 1. Exposición a la radiofrecuencia

Este auricular estéreo inalámbrico Bluetooth, modelo HBS-1100, es un transmisor y receptor de radio. Cuando está en funcionamiento, se comunica con un dispositivo móvil compatible con Bluetooth mediante la recepción y la transmisión de campos electromagnéticos (microondas) de radiofrecuencia (RF) en el rango de 2,4 a 2,4835 GHz. El auricular Bluetooth está diseñado para funcionar conforme a los lineamientos y los límites de exposición a la radiofrecuencia establecidos por autoridades nacionales y organismos internacionales de la salud pública, cuando se lo utiliza en conjunto con cualquier dispositivo móvil compatible de LG Electronics.

ESPAÑOL

### 2. Precauciones para la conexión Bluetooth

Los siguientes entornos afectan el rango y la recepción de las señales Bluetooth:

- Cuando hay paredes, metales, cuerpos humanos u otros obstáculos entre el dispositivo Bluetooth y el dispositivo conectado
- Cuando se colocan equipos que utilizan señales de frecuencia de 2,4 GHz (LAN inalámbricos, teléfonos inalámbricos, hornos microondas, etc.) cerca de los dispositivos utilizados

### 3. Atmósferas potencialmente explosivas

Cuando se encuentre en una atmósfera potencialmente explosiva, apague el dispositivo electrónico. Aunque es poco frecuente, este dispositivo electrónico podría generar chispas. Las chispas en dichas áreas pueden causar una explosión o un incendio y provocar lesiones personales o incluso la muerte. Las zonas con riesgo de explosión suelen estar claramente señaladas, aunque no en todos los casos.

### 4. Llamadas de emergencia

#### ¡IMPORTANTE!

Este auricular Bluetooth y el dispositivo electrónico conectado a él funcionan con señales de radio, redes terrestres y móviles, además de funciones programadas por el usuario, que no pueden garantizar la conexión en todas las situaciones. Por lo tanto, nunca debe depender únicamente de un dispositivo electrónico para casos de comunicaciones esenciales (por ej. emergencias médicas). Recuerde que, para realizar o recibir llamadas, el auricular y el dispositivo electrónico conectado a él deben estar encendidos y en un área de servicio con una señal móvil de buena potencia. Las llamadas de emergencia no pueden hacerse en todas las redes de telefonía celular ni cuando están en uso ciertos servicios de red o funciones del teléfono. Compruebe la disponibilidad con su proveedor de servicio local.

## 5. Información sobre la batería

Las baterías recargables tienen una vida útil prolongada si reciben el tratamiento adecuado. Las baterías nuevas o que no se hayan utilizado por un lapso extenso podrían tener una capacidad reducida las primeras veces que se utilizan. No exponga la batería a temperaturas extremas, superiores a +50 °C (+122 °F) o inferiores a -10 °C (+14 °F). Para obtener la máxima capacidad de la batería, úsala a temperatura ambiente. Si se utiliza la batería en condiciones de temperaturas bajas, la capacidad se verá reducida. La batería solo puede cargarse a temperaturas entre +10 °C (+50 °F) y +45 °C (+113 °F).

## 6. Reciclado de la batería del auricular Bluetooth

La batería del auricular *Bluetooth* debe desecharse con el procedimiento adecuado y nunca debe arrojarse al basurero municipal. Los encargados del servicio técnico de LG Electronics que extraigan baterías las desecharán de acuerdo con las reglamentaciones locales.

## 7. Condiciones

- La garantía tiene validez únicamente si, junto con el producto que se va a reparar o reemplazar, se presenta la factura original que el distribuidor le emitió al comprador original. LG Electronics se reserva el derecho de denegar el servicio de garantía si no se presenta dicha información o si hubiera habido modificaciones luego de la compra original del producto al distribuidor.
- Si LG Electronics repara o reemplaza el producto, el plazo de garantía del producto reemplazado o reparado equivaldrá al tiempo restante del plazo de la garantía original o noventa (90) días a partir de la fecha de reparación, el período que sea mayor. La reparación o el reemplazo podrían implicar el uso de unidades reacondicionadas con funciones equivalentes. Los componentes o las piezas reemplazadas pasarán a ser propiedad de LG Electronics.
- La presente garantía no cubre falla alguna por desgaste natural ni uso indebido, entre otros casos, usos fuera de lo normal y habitual, conforme a las instrucciones de uso y mantenimiento del producto. La cobertura tampoco abarca fallas del producto que se deban a accidentes, modificaciones o ajustes, caso fortuito o daño producido por algún líquido.
- La garantía no cubre fallas del producto a causa de instalaciones, reparaciones o modificaciones incorrectas llevadas a cabo por personas que no estén autorizadas por LG Electronics. Todo indicio de manipulación en cualquiera de los sellos del producto anulará la garantía.
- NO EXISTEN GARANTÍAS EXPRESAS, NI ORALES NI ESCRITAS, SALVO LAS QUE CONSTAN EN EL PRESENTE DOCUMENTO, INCLUYENDO, ENTRE OTRAS, LAS GARANTÍAS IMPLÍCITAS DE COMERCIALIZACIÓN O IDONEIDAD PARA UN FIN DETERMINADO. LA DURACIÓN DE CUALQUIER GARANTÍA IMPLÍCITA SE LIMITA AL PLAZO DE LA PRESENTE GARANTÍA LIMITADA. ASIMISMO, LG ELECTRONICS O SUS DISTRIBUIDORES NO SERÁN RESPONSABLES, EN NINGUNA CIRCUNSTANCIA, POR DAÑOS FORTUITOS O EMERGENTES DE ÍNDOLE ALGUNA, INCLUYENDO, ENTRE OTROS, PÉRDIDAS COMERCIALES O DE GANANCIAS, HASTA EL MÁXIMO DESCARGO DE RESPONSABILIDAD PERMITIDO POR LA LEY.

- En algunos estados y países, no se permite la exclusión o la limitación de daños fortuitos y emergentes, ni la limitación del plazo de las garantías implícitas. Por lo tanto, las exclusiones o limitaciones de los párrafos anteriores podrían no aplicarse en su caso. La garantía provista no afecta los derechos del consumidor establecidos por la legislación nacional pertinente en vigencia ni los derechos del consumidor en relación con el distribuidor que surjan del contrato de compra-venta.

## Garantía limitada

Sujeta a las condiciones de la presente garantía limitada, LG Electronics garantiza que este producto no presenta fallas de diseño, materiales ni mano de obra en el momento en que el consumidor realiza la compra original, y que no las presentará por un período posterior de un (1) año. En caso de que el producto requiera servicio técnico de garantía, sírvase llevarlo al establecimiento del distribuidor que se lo vendió o comuníquese con el centro de contacto de LG Electronics en su región para obtener más información.

## Información importante de seguridad

### Reducción de la capacidad auditiva:



Si utiliza el auricular con un nivel de volumen alto, podría sufrir hipoacusia permanente.

Configure el volumen en un nivel inocuo. Con el tiempo, podría acostumbrarse a un volumen de sonido más alto que podría parecer normal, pero que quizás dañe su capacidad auditiva.

Si le zumban los oídos o siente que los sonidos le llegan medio apagados, no utilice el dispositivo y consulte a un otorrinolaringólogo. Cuanto más alto sea el volumen, más rápido podría verse afectada su audición.

Algunos expertos en audición sugieren que, para proteger la audición, se debe:

- Limitar el tiempo de uso del auricular a volumen alto.
- Evitar subir el volumen para contrarrestar el exceso de ruido ambiental.
- Bajar el volumen si no oye a la gente que habla cerca de usted.

### Uso seguro de los auriculares

No se recomienda utilizar auricular para escuchar música mientras conduce un vehículo y, en algunas zonas, es ilegal hacerlo. Sea precavido y cauto al conducir. No utilice el dispositivo si le resulta molesto o lo distrae mientras maneja cualquier tipo de vehículo o realiza alguna otra actividad que requiera toda su atención.



Any modifications or changes to this manual due to typographical errors or inaccuracies of stated information shall only be made by LG Electronics Inc.

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