LG
Life's Good

OWNER'S MANUAL

# LED LCD MONITOR

(LED Monitor*)

* LG LED Monitor applies LCD screen with LED backlights.

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

32GQ750

www.lg.com

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# LICENSE

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# OPEN SOURCE SOFTWARE NOTICE INFORMATION

To obtain the source code that is contained in this product, under GPL, LGPL, MPL, and other open source licenses that have the obligation to disclose source code, and to access all referred license terms, copyright notices and other relevant documents, please visit *https://opensource.lge.com*.

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*.

This offer is valid to anyone in receipt of this information for a period of three years after our last shipment of this product.

# 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 recommended 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.
- Illustrations in this document represent typical procedures, so they may look different from the actual product.
- Do not apply foreign substances (oils, lubricants, etc.) to the screw parts when assembling the product. (Doing so may damage the 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.
- For wave pattern on appearance, unlike the general method of coating, it's applied to added glittering material in raw material.With no peeled-off appearance, it has good durability. Please use it with confidence because there is no problem in using the product at all.

**NOTE**

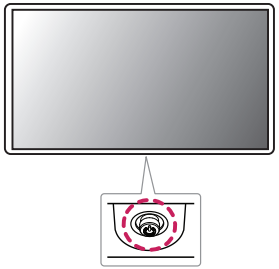
- The components may look different from those illustrated here.
- Without prior notice, all product information and specifications contained in this manual are subject to change to improve the performance of the product.
- To purchase optional accessories, visit an electronics store or an online shopping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

## Supported Drivers and Software

You can download and install the latest version from the LGE website (*www.lg.com*).

| Drivers and Software | Installation Priority |
|---|---|
| **Monitor Driver** | Recommended |
| **OnScreen Control** | Recommended |
| **Dual Controller** | Optional |

# Product 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/up/down with your finger.

**Basic Functions**

| | | | |
|---|---|---|---|
|  |  | **Power on** | Press the joystick button once with your finger to turn on the monitor. |
|  | | **Power off** | Press and hold the joystick button once more than 3 seconds with your finger to turn off the monitor. |
|  | ◀/▶ | **Volume control** | You can control the volume by moving the joystick button left/right. |
|  | ▲/▼ | **Controls screen brightness** | You can control the screen's brightness by moving the joystick button up/down. |

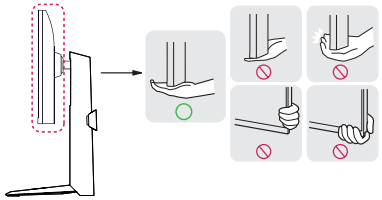
**NOTE**

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

# 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.



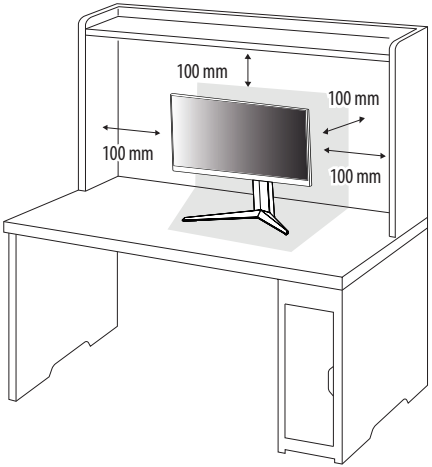


**CAUTION**

- 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.
- 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 on a Table

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

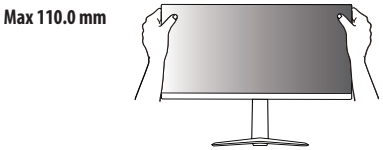



**⚠ CAUTION**

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




**⚠ WARNING**

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

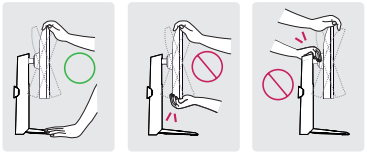
## Adjusting the Angle

1. Place the monitor mounted on the stand base in an upright position.
2. Adjust the angle of the screen.

The angle of the screen can be adjusted forward or backward from -5° to 15° for a comfortable viewing experience.

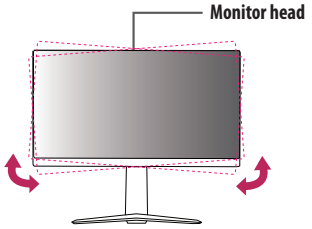
**⚠ WARNING**

- To avoid injury to the fingers when adjusting the screen, do not hold the lower part of the monitor's frame as illustrated below.
- Be careful not to touch or press the screen area when adjusting the angle of the monitor.



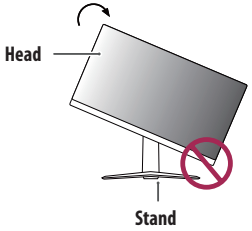
**NOTE**

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




## Pivot Feature

The pivot feature allows the monitor to rotate 90° clockwise.



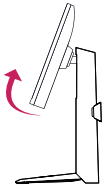

**WARNING**

- To avoid scratching the stand base, make sure that when rotating the monitor using the pivot feature, the stand does not make contact with the monitor.

1 Raise the monitor to the maximum height.



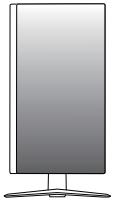
2 Adjust the angle of the monitor in the direction of the arrow as shown in the figure.



3 Rotate the monitor clockwise as shown in the figure.



4 Complete the installation by rotating the monitor 90° as shown below.



**NOTE**

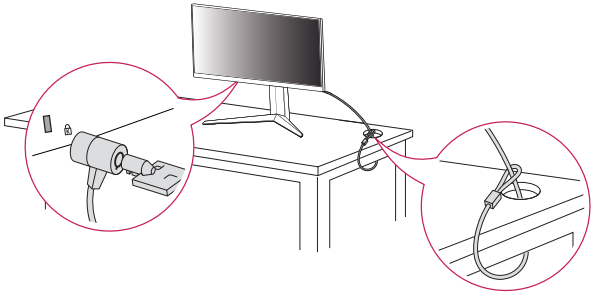
- Auto Pivot feature of the display is not supported.
- The screen can be rotated easily using the screen pivot shortcut key provided with your Windows operating system. Note that some Windows versions and some graphics card drivers may use different settings for the screen pivot key or may not support the pivot key at all.

## 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.

## Installing the Wall Mount Plate

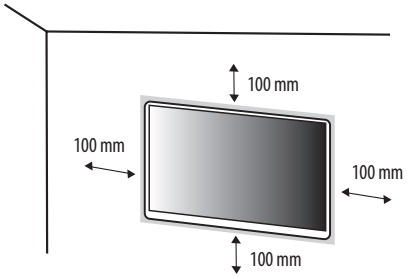
This monitor meets the specifications for the wall mount plate or other compatible devices.

**NOTE**

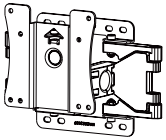
- The wall mount plate is sold separately.
- For more information on installation, refer to the wall mount plate's installation guide.
- Be careful not to apply too much force while mounting the wall mount plate as it may cause damage to the screen.
- Remove the stand before installing the monitor on a wall mount by performing the stand attachment in reverse.

## Installing on the 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. Alternatively, please refer to the manual for how 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.

| | |
|---|---|
| **Wall Mount (mm)** | 100 x 100 |
| **Standard screw** | M4 x L10 |
| **Number of screws** | 4 |
| **Wall Mount Plate (Optional)** | LSW 149  |

**NOTE**

- A non-VESA standard screw may damage the product and cause the monitor to fall. LG Electronics is not liable for any accidents relating to the use of non-standard screws.
- The wall mount kit includes the installation guide and all necessary parts.
- The wall mounting bracket is optional. You can obtain optional accessories from your local dealer.
- The length of the screw may differ for each wall mounting bracket. If you use screws longer than the standard length, it may damage the inside of the product.
- For more information, please refer to the user manual for the wall mounting bracket.

**⚠ CAUTION**

- Unplug the power cord before moving or installing the monitor to avoid electric shock.
- Installing the monitor on the ceiling or on a slanted wall may result in the monitor falling off, which could lead to injury. Use an authorized LG wall mount and contact the local dealer or qualified personnel.
- 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.
- Use the wall mounting bracket and screws that conform to VESA standards. Damage caused by the use or misuse of inappropriate components will not be covered by the product warranty.
- When measured from the back of the monitor, the length of each installed screw must be 8 mm or less.

# USING THE MONITOR

- Illustrations in this manual may differ from the actual product.

Press the joystick button, go to **Settings** → **Input**, and then select the input option.

**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 PC screensaver if possible.
- 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 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 digital video and audio signals from your PC to the monitor.

**CAUTION**

- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- 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

### DisplayPort Connection

Transmits digital video and audio signals from your PC to the monitor.

**NOTE**

- There may be no video or audio output depending on the DP (DisplayPort) version of the PC.
- If you are using a Mini DisplayPort output graphics card, use a Mini DP to DP (Mini DisplayPort to DisplayPort) cable or gender that supports DisplayPort1.4. (Sold separately)

# Connecting AV Devices

## HDMI Connection

HDMI transmits digital video and audio signals from your AV device to the monitor.

**NOTE**

- Using a DVI to HDMI / DP (DisplayPort) to HDMI cable may cause compatibility issues.
- 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 Peripherals

## Headphones Connection

Connect peripherals to the monitor via the headphones port.

**NOTE**

- Peripheral devices are sold separately.
- Depending on the audio settings of the PC and external device, headphones and speaker functions may be limited.
- 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



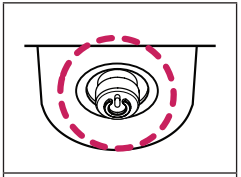
Straight
(Recommend)

# USER SETTINGS



## Activating the Main Menu

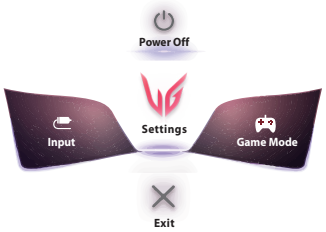
1 Press the joystick button on the bottom of the monitor.
2 Move the joystick up/down (▲/▼) and left/right (◄/►) to set the options.
3 Press the joystick button once more to exit the main menu.



Joystick Button

| Button | Menu Status | | Description |
|---|---|---|---|
|  | **Main menu disabled** | | Enables the main menu. |
| | **Main menu enabled** | | Enters the **Settings** feature.<br>(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.) |
|  | ◄ | **Main menu disabled** | Adjusts the monitor volume level. |
| | | **Main menu enabled** | Enters the **Input** feature. |
| | ► | **Main menu disabled** | Adjusts the monitor volume level. |
| | | **Main menu enabled** | Enters the **Game Mode** feature. |
|  | ▲ | **Main menu disabled** | Adjusts the monitor brightness level. |
| | | **Main menu enabled** | Turns off the monitor. |
| | ▼ | **Main menu disabled** | Adjusts the monitor brightness level. |
| | | **Main menu enabled** | Exits the main menu. |

## Main Menu Features




| Main Menu | Description |
|---|---|
| **Input** | Sets input mode. |
| **Power Off** | Turns off the monitor. |
| **Settings** | Configures the screen settings. |
| **Game Mode** | Sets the game mode for gaming. |
| **Exit** | Exits the main menu. |

# User Settings



## Menu Settings

1 To view the OSD menu, press the joystick button at the bottom of the monitor and then enter the **Settings**.
2 Configure the options by moving the joystick up/down/left/right.
3 To return to the upper menu or set other menu items, move the joystick to ◀ or pressing ( ) it.
4 If you want to exit the OSD menu, move the joystick to ◀ until you exit.



**Game Mode**



**Game Adjust**



**Picture Adjust**



**Input**



**General**

| Settings | | Description |
|---|---|---|
| **Game Mode** | | Changes the game mode to the one optimised for a given feature. |
| **Game Adjust** | | Adjusts the **Adaptive-Sync/VRR**, **Black Stabilizer**, **Response Time**, **Crosshair**, **FPS Counter and Game Reset**. |
| **Picture Adjust** | | Adjusts the **Brightness**, **Contrast**, **Sharpness**, **Gamma**, **Color Temp**, **R/G/B**, **Six Color**, **Black Level**, **DFC and Picture Reset**. |
| **Input** | **Input List** | Selects the input mode. |
| | **Aspect Ratio** | Adjusts the aspect ratio of the screen. |
| **General** | | **Sets Waves MaxxAudio®**, **Language**, **User-defined Key 1**, **User-defined Key 2**, **SMART ENERGY SAVING**, **Deep Sleep Mode**, **Power LED**, **Automatic Standby**, **Input Compatibility Version**, **Buzzer**, **OSD Lock**, **Information and Reset to Initial Settings**. |

**⚠ CAUTION**

- Your monitor's OSD (On Screen Display) may differ slightly from that shown in this manual.

Game Mode on SDR(Non-HDR)signal.

| Settings > Game Mode | | Description |
|---|---|---|
| Game Mode | Gamer 1 | In this mode, users can customise elements including game-related options.<br>**Gamer 1** and **Gamer 2** picture modes allow you to save two sets of customized display settings, including game-related setup options. |
| | Gamer 2 | |
| | FPS | This mode is optimised for FPS games. It is suitable for very dark FPS games. |
| | RTS | This mode is optimised for RTS games. |
| | Vivid | Optimised the screen for vivid colours. |
| | Reader | Optimises the screen for viewing documents. You can brighten the screen in the OSD menu. |
| | HDR Effect | Optimises the screen for high dynamic range. |
| | sRGB | A standard RGB colour space for the monitor and printer. |

Game Mode on HDR signal.

| Settings > Game Mode | | Description |
|---|---|---|
| Game Mode | **Gamer 1** | In this mode, users can customise elements including game-related options.<br>**Gamer 1** and **Gamer 2** picture modes allow you to save two sets of customized display settings, including game-related setup options. |
| | **Gamer 2** | |
| | **FPS** | This mode is optimised for FPS games. It is suitable for very dark FPS games. |
| | **RTS** | This mode is optimised for RTS games. |
| | **Vivid** | Optimised the screen for vivid colours. |
| | **NOTE**<br>• HDR content may not be operated properly depending on the Windows10 OS setting. Please check the HDR On / Off setting of Windows.<br>• When the HDR function is turned on, the characters or picture quality may be poor according to Graphic card performance.<br>• While the HDR function is on, screen flickering or cracking may occur when changing the monitor input or power on/off according to Graphic card performance.<br>• For information about whether the graphics card and game support HDR, visit their manufacture's website. | |

<table>
<tr><th colspan="2">Settings > Game Adjust</th><th colspan="2">Description</th></tr>
<tr><td rowspan="5">Game Adjust</td><td rowspan="4">Adaptive-Sync/VRR</td><td colspan="2">Provides seamless and natural images by synchronizing the vertical frequency of the input signal with that of the output signal.<br>⚠ CAUTION<br>• Supported Interface: DisplayPort (Adaptive-Sync), HDMI (VRR:Variable Refresh Rate).<br>• Supported Graphic Card: A graphic card that supports NVIDIA's G-SYNC or AMD's FreeSync is necessary.<br>• Supported Version: Make sure to update the graphic card to the latest driver.<br>• For more information and requirement, refer to NVIDIA website (www.nvidia.com) and AMD website (www.amd.com).</td></tr>
<tr><td>Extended</td><td>Enables wider frequency range of Adaptive-Sync/VRR function than basic mode.<br>The screen may flicker during the game play.</td></tr>
<tr><td>Basic</td><td>Enables basic frequency range of Adaptive-Sync/VRR function.</td></tr>
<tr><td>Off</td><td>Adaptive-Sync/VRR function off.</td></tr>
<tr><td>Black Stabilizer</td><td colspan="2">You can control the black contrast to have better visibility in dark scenes.<br>You can easily distinguish objects on dark game screens.</td></tr>
</table>

| | | | |
|---|---|---|---|
| **Game Adjust** | **Response Time** | Sets a response time for displayed pictures based on the speed of the screen.<br>For a normal environment, it is recommended that you use **Fast**.<br>For a fast-moving picture, it is recommended that you use **Faster**.<br>Once **Faster Mode** is selected, **Motion Blur** may occur depending on the content. | |
| | | **Faster** | Sets the response time to faster. |
| | | **Fast** | Sets the response time to fast. |
| | | **Normal** | Sets the response time to normal. |
| | | **Off** | Does not use the response time improvement feature. |
| | **Crosshair** | Crosshair provides a mark on the center of the screen for First Person Shooter (FPS) games. Users can select the Crosshair that fits their gaming environment among four different Crosshairs. | |
| | **FPS Counter** | **On** | The indicator is displayed on the upper left of the screen. It will reflect the actual frame rate that is received at the input. You can also adjust the position of FPS Counter. (upper left / upper right / lower right / lower left) |
| | | **Off** | Does not use the FPS Counter feature. |
| | | **NOTE**<br>• **FPS Counter** and **Crosshair** feature can not be used at the same time. | |
| | **Game Reset** | Returns game to the default settings. | |
| | | **No** | Cancel the select. |
| | | **Yes** | Returns to the default settings. |

| Settings > Picture Adjust | | Description | |
|---|---|---|---|
| Picture Adjust | Brightness | Adjusts the brightness of the screen. | |
| | Contrast | Adjusts the contrast of the screen. | |
| | Sharpness | Adjusts the sharpness of the screen. | |
| | Gamma | Mode 1, Mode 2, Mode 3 | The higher the gamma value, the darker the image becomes. Likewise, the lower the gamma value, the lighter the image becomes. |
| | | Mode 4 | If you do not need to adjust the gamma settings, select Mode 4. |
| | Color Temp | Custom | The user can adjust it to red, green, or blue by customization. |
| | | Warm | Sets the screen colour to a reddish tone. |
| | | Medium | Sets the screen colour to between a red and blue tone. |
| | | Cool | Sets the screen colour to a bluish tone. |
| | | Manual | The user can fine-tune the colour temperature. |
| | R/G/B | You can customise the picture colour using **Red**, **Green**, and **Blue** colours. | |
| | Six Color | Meets the user requirements for colours by adjusting the hue and saturation of the six colours (Red, Green, Blue, Cyan, Magenta and Yellow) and then saving the settings. | |
| | | Hue | Adjusts the tone of the screen colours. |
| | | Saturation | Adjusts the saturation of the screen colours. The lower the value, the less saturated and brighter the colours become. The higher the value, the more saturated and darker the colours become. |
| | Black Level | Sets the offset level (for HDMI only).<br>• Offset: as a reference for a video signal, this is the darkest colour the monitor can display. | |
| | | High | Keeps the current contrast ratio of the screen. |
| | | Low | Lowers the black levels and raises the white levels from the current contrast ratio of the screen. |
| | DFC | On | Adjusts the brightness automatically according to the screen. |
| | | Off | Disables the **DFC** feature. |
| | Picture Reset | Do you want to reset your picture settings? | |
| | | No | Cancel the select. |
| | | Yes | Returns to the default settings. |

<table>
<tr><th colspan="2">Settings > Input</th><th colspan="2">Description</th></tr>
<tr><td rowspan="6">Input</td><td>Input List</td><td colspan="2">Selects the input mode.</td></tr>
<tr><td rowspan="5">Aspect Ratio</td><td colspan="2">Adjusts the aspect ratio of the screen.</td></tr>
<tr><td>Full Wide</td><td>Displays the video in widescreen, regardless of the video signal input.</td></tr>
<tr><td>Original</td><td>Displays video according to the aspect ratio of the video signal input.</td></tr>
<tr><td>Just Scan</td><td>The aspect ratio is not adjusted from the original.</td></tr>
<tr><td colspan="2">NOTE<br>• The display may look the same for Full Wide and Original options at the recommended resolution. (3840 x 2160)<br>• There is no Just Scan menu on Adaptive-Sync/VRR Mode. (Go to Settings → Game Adjust → Adaptive-Sync/VRR, to set Adaptive-Sync/VRR Extended, Basic or Off)</td></tr>
</table>

| Settings > General | | Description | |
|---|---|---|---|
| General | Waves MaxxAudio® | On | MaxxAudio® by waves, recipient of a Technical GRAMMY Award® is a suite of studio-quality sound tools for a superior listening experience. |
| | | Off | Disables the MaxxAudio function. |
| | Language | Sets the menu screen to the desired language. | |
| | User-defined Key 1 | You can customise the main menu to access your preferred menu easily.<br>User-definded Key 1 and User-definded Key 2 appear at the left/right of the main menu. | |
| | User-defined Key 2 | | |
| | SMART ENERGY SAVING | High | Saves energy using the high-efficiency SMART Energy Saving feature. |
| | | Low | Saves energy using the low-efficiency SMART Energy Saving feature. |
| | | Off | Disables the SMART Energy Saving feature. |
| | Deep Sleep Mode | When Deep sleep mode is enabled, power consumption is minimized while the monitor is in standby mode. | |
| | | On | Enables **Deep sleep Mode**. |
| | | Off | Disables **Deep sleep Mode**. |
| | | **NOTE**<br>• If Deep Sleep Mode is Off, monitor only turns off the back light while the monitor is standby mode. | |
| | Power LED | Turns the power LED on the bottom of the monitor on or off. | |
| | | On | The power LED turns on automatically. |
| | | Off | The power LED turns off. |

| | | | |
|---|---|---|---|
| **General** | **Automatic Standby** | Feature that automatically turns off the monitor when there is no movement on the screen for a period of time. You can set a timer for the auto-off function.<br>(**8H**, **6H**, **4H** and **Off**) | |
| | **Input Compatibility Version** | Please set the Input Compatibility Version to match the version of the connected external device. | |
| | | **HDMI** | 2.1(PC)/2.1(AV)/1.4<br>If you want to use the HDR, select the Input Compatibility Version to 2.1(PC) or 2.1(AV). |
| | | **DisplayPort** | 1.4(DSC)/1.4/1.2<br>If you want to use the HDR, select the Input Compatibility Version to 1.4(DSC) or 1.4. |
| | **Buzzer** | This feature lets you set the sound generated from Buzzer when your monitor powers on. | |
| | | **On** | Enables your monitor's **Buzzer**. |
| | | **Off** | Disables your monitor's **Buzzer**. |
| | **OSD Lock** | This feature disables the configuration and adjustment of menus. | |
| | | **On** | Enables **OSD Lock.** |
| | | **Off** | Disables **OSD Lock**. |
| | | **NOTE**<br>• All features are disabled except **Brightness**, **Contrast** in **Picture Adjust**, **Input**, **OSD Lock** and **Information** in **General**. | |
| | **Information** | The display information will be shown the Total Power On Time, Resolution. | |
| | **Reset to Initial Settings** | Do you want to reset your settings? | |
| | | **No** | Cancel the reset. |
| | | **Yes** | Returns to the default settings. |

# TROUBLESHOOTING



| | |
|---|---|
| **Nothing is displayed on the screen.** | |
| Is the monitor's power cord plugged in? | • Check if the power cord is correctly plugged into the power outlet. |
| Is the power LED on? | • Check the power cable connection and press the power button. |
| Is the power on and the power LED displaying white? | • Check that the connected input is enabled (**Settings** > **Input**). |
| Is the **No Signal** message being displayed? | • This is displayed when the signal cable between the PC and the monitor is missing or disconnected. Check the cable and reconnect it. |
| Is the **Out of Range** message being displayed? | • 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. |
| **Screen display is unstable and shaky. / Images displayed on the monitor leave shadow trails.** | |
| Did you select the appropriate resolution? | • 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.<br>• 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.<br>• 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. |
| Does image sticking occur even when the monitor is turned off? | • Displaying a still image for a prolonged time may cause damage to the screen, resulting in the retention of the image.<br>• To extend the lifetime of the monitor, use a screensaver. |
| Are there spots on the screen? | • 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. |
| **Some features are disabled.** | |
| Are some functions not available when you press the Menu button? | • The OSD is locked. Disable **OSD Lock** in **General**. |

| | |
|---|---|
| **Do you see an "Unrecognized monitor, Plug and Play (VESA DDC) monitor found" message?** | |
| Have you installed the display driver? | • Be sure to install the display driver from our web site: *http://www.lg.com*.<br>• Make sure to check if the graphics card supports Plug and Play function. |
| **No sound from the headphone port.** | |
| Are images displayed without sound? | • Make sure that the headphone port connections are made properly.<br>• Try increasing the volume with the joystick.<br>• Set the audio output of the PC to the monitor you are using. (The settings may differ depending on the operating system (OS) you use.) |

# PRODUCT SPECIFICATION



| | | | |
|---|---|---|---|
| **Color Depth** | 8-bit / 10-bit color is supported. | | |
| **Resolution** | Max Resolution | 3840 x 2160 @ 144 Hz (HDMI / DP) | |
| | Recommended Resolution | 3840 x 2160 @ 144 Hz (HDMI / DP) | |
| **Power Sources** | Power Rating | 19 V ⎓ 5.0 A | |
| | Power Consumption<br>(Typical) | On mode: 70 W Typ. (Outgoing condition)*<br>Sleep Mode (Standby Mode) ≤ 0.5 W (HDMI / DP input Condition)**<br>Off Mode ≤ 0.3 W | |
| **AC/DC Adapter** | ADS-110CL-19-3 190110G type, manufactured by SHENZHEN HONOR ELECTRONIC<br>or ADS-120QL-19A-3 190110E type, manufactured by SHENZHEN HONOR ELECTRONIC<br>Output: 19 V ⎓ 5.79 A | | |
| **Environmental Conditions** | Operating Conditions | Temperature | 0 ℃ to 40 ℃ |
| | | Humidity | Less than 80 % |
| | Storing Conditions | Temperature | -20 ℃ to 60 ℃ |
| | | Humidity | Less than 85 % |
| **Dimensions** | Monitor Size (Width x Height x Depth) | | |
| | With Stand (mm) | 714.3 x 606.8 x 278 | |
| | Without Stand (mm) | 714.3 x 420 x 45.7 | |
| **Weight (Without Packaging)** | With Stand (kg) | 9.1 | |
| | Without Stand (kg) | 6.8 | |

The specifications are subject to change without notice.

The ~ symbol means alternating current, and the ⎓ symbol means direct current.

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

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

** The monitor goes to the Sleep Mode in a couple of minutes(Max 5 minutes).

# Factory Support Mode (Preset Mode, PC)

**DisplayPort**

| Preset Mode | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Polarity (H/V) | Remarks |
|---|---|---|---|---|
| 640 x 480 | 31.469 | 59.94 | -/- | |
| 800 x 600 | 37.879 | 60.317 | +/+ | |
| 1024 x 768 | 48.363 | 60 | -/- | |
| 1920 x 1080 | 67.5 | 60 | +/+ | |
| 1920 x 1080 | 166.587 | 143.98 | +/- | |
| 2560 x 1440 | 222.151 | 143.97 | +/- | |
| 3840 x 2160 | 133.31 | 60 | +/- | |
| 3840 x 2160 | 214.563 | 94.98 | +/- | |
| 3840 x 2160 | 268.44 | 120 | +/- | |
| 3840 x 2160 | 332.06 | 144 | +/- | Preferred Timing |

**HDMI**

| Preset Mode | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Polarity (H/V) | Remarks |
|---|---|---|---|---|
| 640 x 480 | 31.469 | 59.94 | -/- | |
| 800 x 600 | 37.879 | 60.317 | +/+ | |
| 1024 x 768 | 48.363 | 60 | -/- | |
| 1920 x 1080 | 67.5 | 60 | +/+ | |
| 1920 x 1080 | 166.587 | 143.98 | +/- | |
| 2560 x 1440 | 182.996 | 120 | +/- | |
| 2560 x 1440 | 222.151 | 143.97 | +/- | |
| 3840 x 2160 | 67.5 | 30 | +/+ | |
| 3840 x 2160 | 135 | 60 | +/+ | |
| 3840 x 2160 | 332.06 | 144 | +/- | Preferred Timing |

# HDMI Timing (Video)

| Preset Mode | Horizontal Frequency (kHz) | Vertical Frequency (Hz) |
|---|---|---|
| 480P | 31.5 | 60 |
| 576P | 31.25 | 50 |
| 720P | 37.5 | 50 |
| 720P | 45 | 60 |
| 1080P | 27 | 24 |
| 1080P | 33.75 | 30 |
| 1080P | 56.25 | 50 |
| 1080P | 67.5 | 60 |
| 1080P | 135 | 120 |
| 2160P | 54 | 24 |
| 2160P | 56.25 | 25 |
| 2160P | 67.5 | 30 |
| 2160P | 112.5 | 50 |
| 2160p | 135 | 60 |
| 2160P | 270 | 120 |




The model and serial number of the product are located on the back and on one side of the product.
Record them below in case you ever need service.

Model _____

Serial No. _____