User's Guide

W2420R

Make sure to read the **Important Precautions** before using the product. Keep the User's Guide(CD) in an accessible place for future reference.

See the label attached on the product and give the information to your dealer when you ask for service.

LG

This unit has been engineered and manufactured to ensure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this display, observe the following basic rules for its installation, use, and servicing.

On Safety

Use only the power cord supplied with the unit. In case you use another power cord, make sure that it is certified by the applicable national standards if not being provided by the supplier. If the power cable is faulty in any way, please contact the manufacturer or the nearest authorized repair service provider for a replacement.

The power supply cord is used as the main disconnection device. Ensure that the socket-outlet is easily accessible after installation.

Operate the display only from a power source indicated in the specifications of this manual or listed on the display. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

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 Open the Display:
- There are no user serviceable components inside.
- There are Dangerous High Voltages inside, even when the power is OFF.
- Contact your dealer if the display is not operating properly.

To Avoid Personal Injury :
- Do not place the display on a sloping shelf unless properly secured.
- Use only a stand recommended by the manufacturer.
- Do not drop an object on or apply impact to the product. Do not throw any toys or objects on the product screen.
  It can cause injury to human, problem to product and damage the display.

To Prevent Fire or Hazards:
- Always turn the display OFF if you leave the room for more than a short period of time. Never leave the display ON when leaving the house.
- Keep children from dropping or pushing objects into the display's cabinet openings. Some internal parts carry hazardous voltages.
- Do not add accessories that have not been designed for this display.
- When the display is to be left unattended for an extended period of time, unplug it from the wall outlet.
- 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.

On Installation

Do not allow anything to rest upon or roll over the power cord, and do not place the display where the power cord is subject to damage.

Do not use this display near water such as near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

Displays are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard. Therefore, NEVER:

- Block the bottom ventilation slots by placing the display on a bed, sofa, rug, etc.
- Place the display in a built-in enclosure unless proper ventilation is provided.
- Cover the openings with cloth or other material.
- Place the display near or over a radiator or heat source.

Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

Do not press the LCD screen with your finger for a long time as this may cause some afterimages.

Some dot defects may appear as Red, Green or Blue spots on the screen. However, this will have no impact or effect on the display performance.

If possible, use the recommended resolution to obtain the best image quality for your LCD display. If used under any mode except the recommended resolution, some scaled or processed images may appear on the screen. However, this is characteristic of the fixed-resolution LCD panel.

Leaving a fixed image on the screen for a long time may cause damage to the screen and cause image burn-in. Make sure to use a screen saver on the product. Burn-in and related problems are not covered by the warranty on this product.

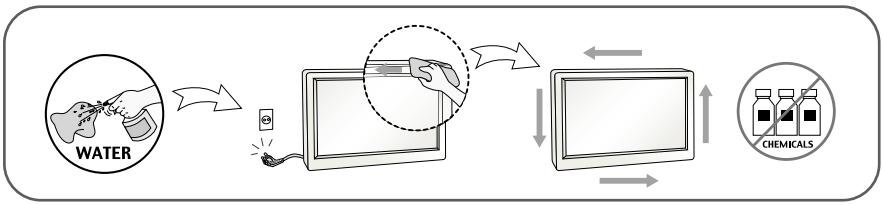
Do not shock or scratch the front and sides of the screen with metallic objects. Otherwise, it may cause damage to the screen.

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. Contact an authorized the service center for repair.

Avoid high temperatures and humidity.

On Cleaning

- Unplug the display before cleaning the face of the display screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the display screen because over-spraying may cause electrical shock.
- 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)
- 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.



On Repacking

- Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

On Disposal(Only, Hg lamp used LCD Monior)

- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

!!! Thank for selecting LGE products !!!

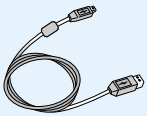
- **Please make sure the following items are included with your monitor. If any items are missing, contact your dealer.**



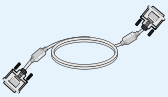
User's Guide/Cards



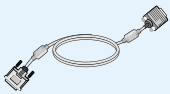
Power Cord
(Depending on the country)



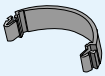
USB Cable



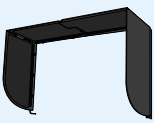
DVI-D Signal Cable



DVI-I Signal Cable
(To set it up, this signal cable may be attached to this product before shipping out.)



Cable Holder



Monitor Hood



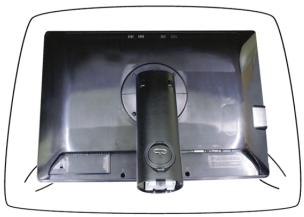
Calibrator
(Spyder3)

NOTE
- This accessories may look different from those shown here.
- User must use shielded signal interface cables (DVI-I cable, DVI-D cable) with ferrite cores to maintain standard compliance for the product.

- **Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices are turned off.**

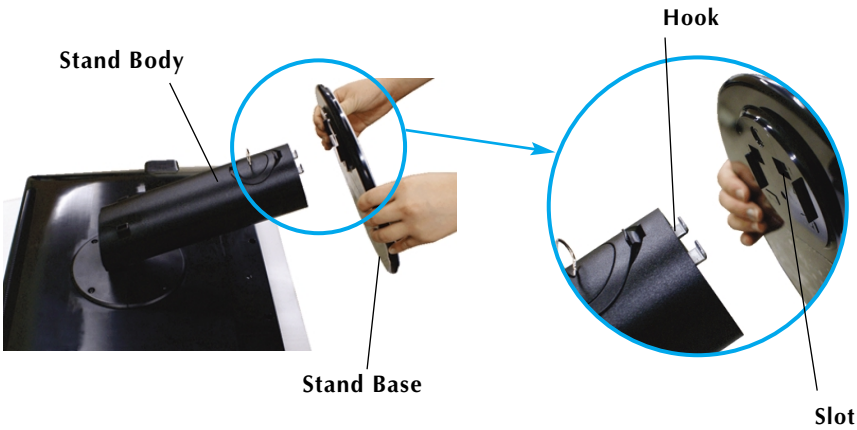
Connecting the stand base or Removing the stand base

1. Place the monitor with its front facing downward on a cushion or soft cloth.



2. Align the hooks on the Stand Body with the matching slots in the Stand Base.

3. Insert the hooks into slots.



WARNING

- The tape and locking pin may only be removed from those monitors equipped with a standing base when the base is pulled up. Otherwise, you may be injured by the protruding sections of the stand.
- Product Handling with Care : When you lift up or move the product, Do Not hold or touch the front part of LCD panel. It will damage the panel. (Please hold the Stand Body or plastic cover of the product.)

4. Attach the monitor to the Stand Base by turning the screw to the right.



5. Lift and turn the monitor to face towards the front after the connection is made to the female part of the cable you're attaching.

6. Take the screw out by turning to the left to separate the monitor and Stand Base.

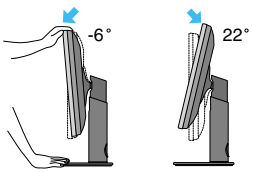
IMPORTANT
- This illustration depicts the general model of connection. Your monitor may differ from the items shown in the picture.
- Do not carry the product upside down holding only the stand base. The product may fall and get damaged or injure your foot.

Positioning your display

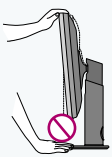
After installation, adjust the angle as shown below.

1. Adjust the position of the panel in various ways for maximum comfort.

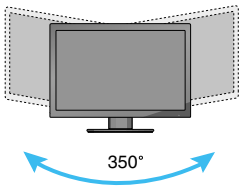
- Tilt Range : -6˚~22˚



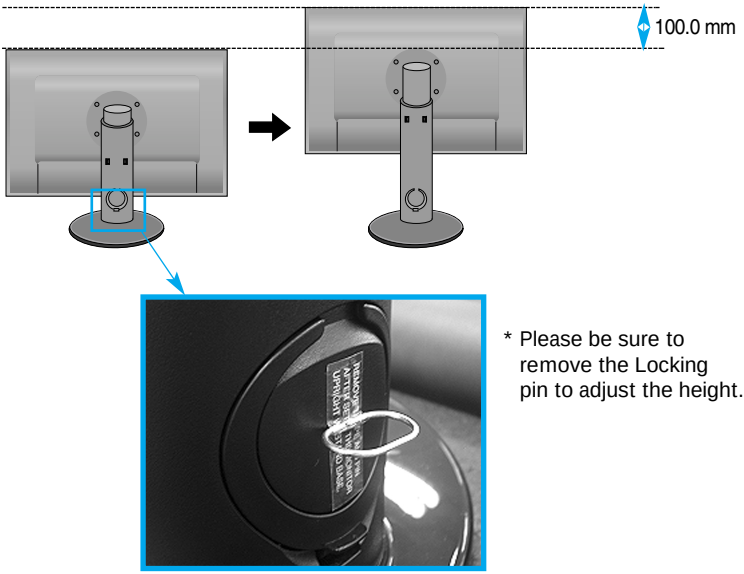
- When adjusting the angle of the screen, do not put your finger(s) in between the head of the monitor and the stand body. You can hurt your finger(s).



■ Swivel Range : 350˚



■ Height Range : maximum 3.94 inches (100.0 mm)



* Please be sure to remove the Locking pin to adjust the height.

WARNING

■ You do not need to replace the Locking pin after it is removed, to adjust its height.

ERGONOMIC

■ It is recommended that in order to maintain an ergonomic and comfortable viewing position, the forward tilt angle of the monitor should not exceed 5 degrees.

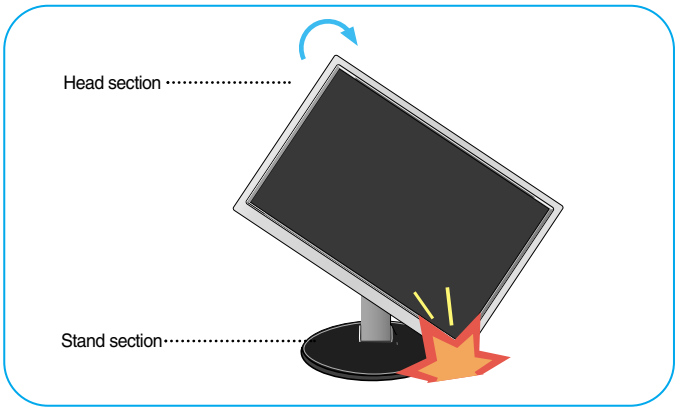
Using the Pivot function

-The pivot function allows you to rotate the screen 90 degrees clockwise.

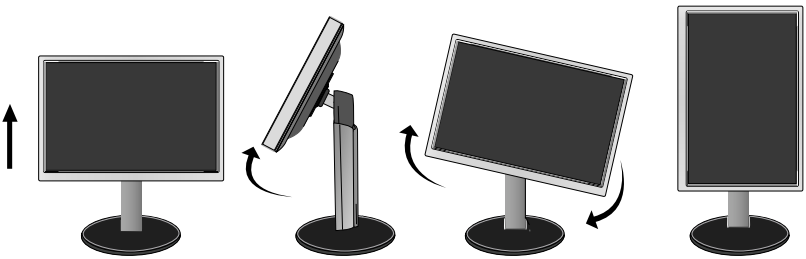
1. Lift the monitor to its highest height to utilize the Pivot function.

2. Landscape & Portrait : You can rotate the panel 90° clockwise.

Please be cautious and avoid contact between the monitor head and the Stand Base when rotating the screen to access the Pivot function. If the monitor head touches the Stand Base, then the Stand Base could crack.



3. Be careful with the cables when rotating the screen.

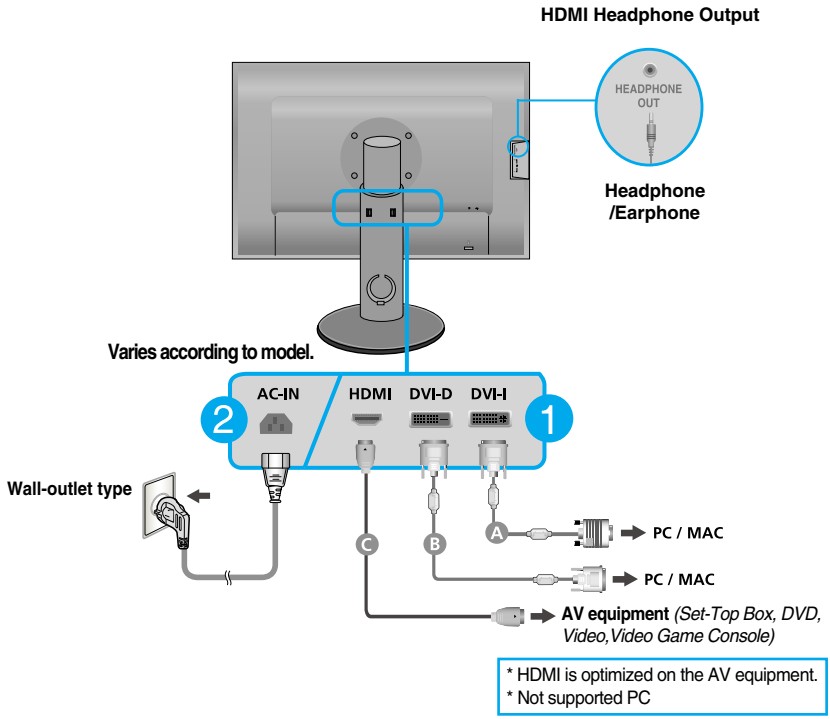


Connecting with the PC/AV equipment

1. Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices is turned off.
2. Connect signal input cable (1) and power cord (2) in order, then tighten the screw of the signal cable.

(A) Connect DVI-I Cable
(B) Connect DVI-D Cable
(C) Connect HDMI Cable

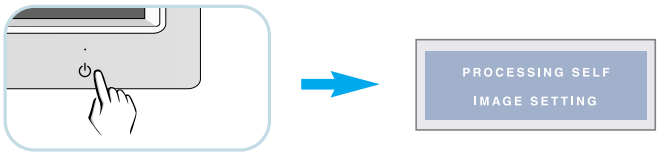
NOTE
- This is a simplified representation of the rear view.
- This rear view represents a general model; your display may differ from the view as shown.
- The HDMI-DVI cable is not compatible with the DVD player or others.





Do not connect the commercial Digital-to-Analog converter to the DVI-I cable, because it may not be compatible.

3. Press the Power Button (⏻) on the front panel to turn the power on. When monitor power is turned on, the **'Self Image Setting Function'** is executed automatically.
(Only for DVI-I analog signal cable input)

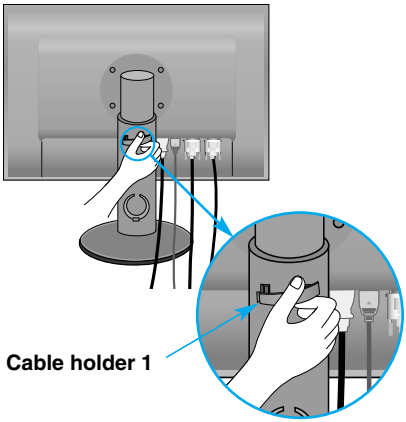


NOTE
' Self Image Setting Function'? This function provides the user with optimal display settings.When the user connects the monitor for the first time, this function automatically adjusts the display to optimal settings for individual input signals.
'AUTO/SET' Function? When you encounter problems such as blurry screen, blurred letters, screen flicker or tilted screen while using the device or after changing screen resolution, press the AUTO/SET function button to improve resolution.

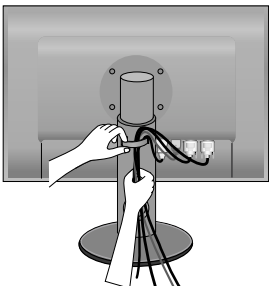
To arrange the cables

Connect the power cord and the signal cable as shown in the figure and then fix them to the cable holders 1 and 2.

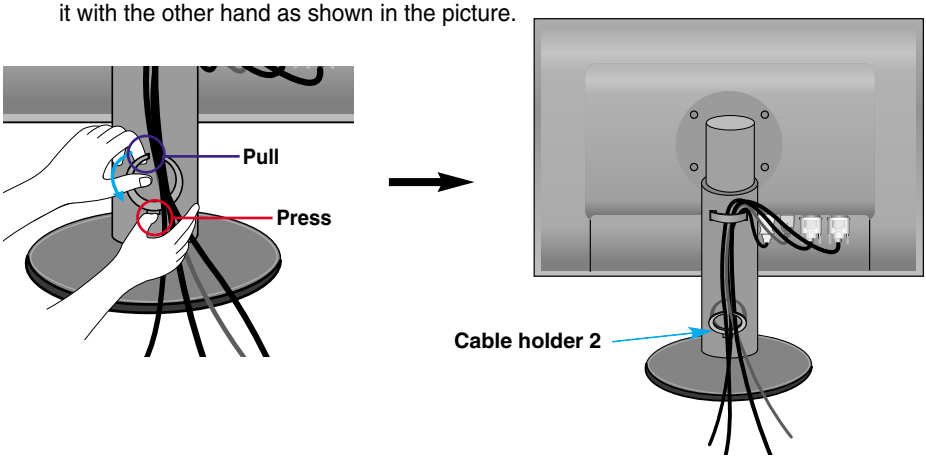
1. Please insert the **cable holder1** into the hole.



2. Please put the power cord and the signal cable in the cable holder 1.



3. Please put the power cord and the signal cable in the cable holder 2. While pressing the bottom of cable holder 2 with one hand, pull the top of it with the other hand as shown in the picture.



NOTE
- Use the cable holder to organize the cables in order to use the pivot function properly.
- This picture shows how to organize cables generally and may look different from your product.

Using True Color Finder Program

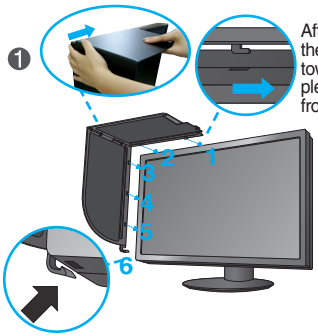
- **Requirements**
  - Windows 2000(Service Pack 4 or higher), XP(Service Pack 2 or higher), Vista
  - Macintosh OS X(10.0~10.5)

1. After installing the monitor hood, insert the CD provided.
2. Click on the [True Color Finder] -> [Installation] icons to install the program. For detail method on how to use the program, refer to the True Color Finder manual in the provided CD.
3. After executing the "True Color Finder" program, connect the Calibrator(Spyder3) to the monitor and computer respectively.

Connecting and Disconnecting the Monitor Hood

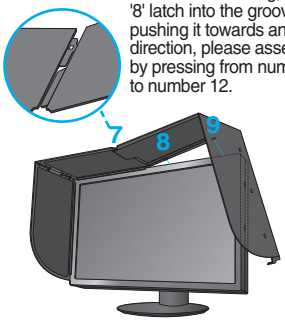
1. Connect the Monitor Hood as shown below.

❶



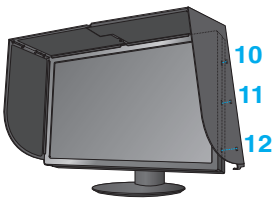
After inserting '1' latch into the groove and pushing it towards an arrow direction, please assemble by pressing from number 2 to number 6.

❷

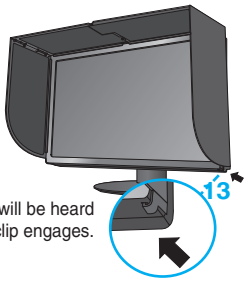


After cross inserting, putting '8' latch into the groove and pushing it towards an arrow direction, please assemble by pressing from number 9 to number 12.

❸



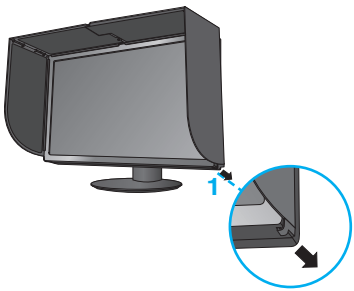
❹



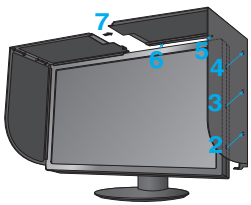
A click will be heard when the clip engages.

2. To disconnect the monitor hood, follow the steps in the reverse order.

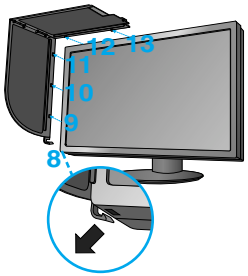
❶



❷



❸



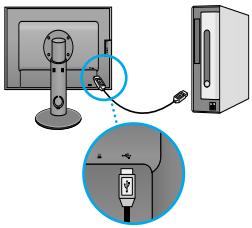
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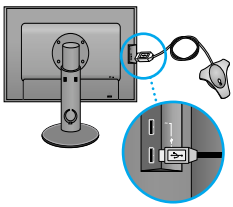
Connecting the Calibrator(Spyder3)

1. Connect the Calibrator(Spyder3) to the monitor as shown below. Tilt the monitor to maximum of 16° to the rear to use the Calibrator (Spyder3).

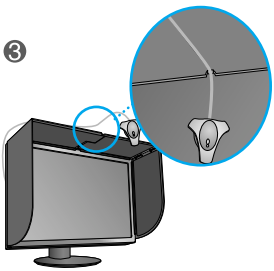
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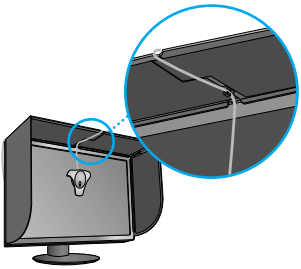
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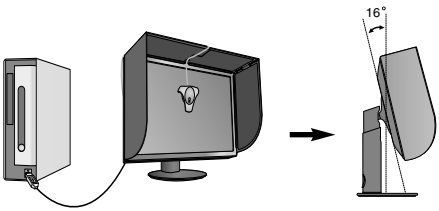
❸



❹



❺



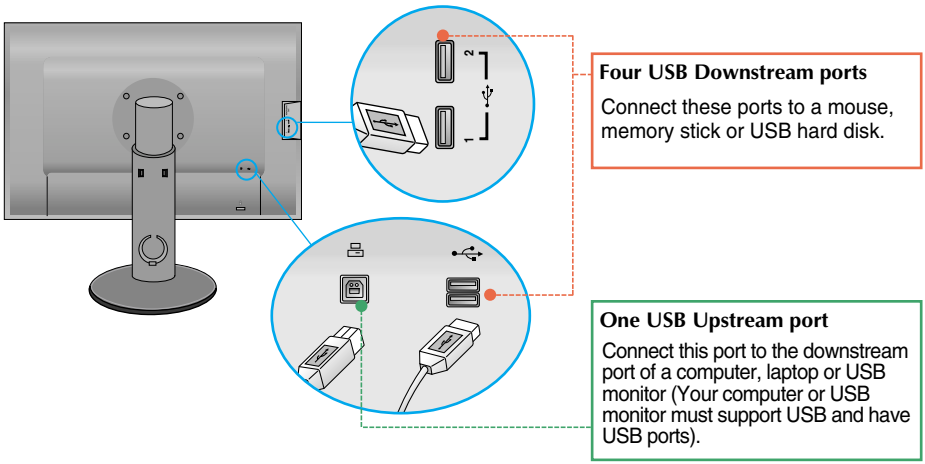
NOTE

- Do not put excessive pressure on the monitor hood when fitting. It may damage the hood.
- Do not put any objects on the hood.
- With the hood installed, do not shake it or rotate the screen(Pivot).



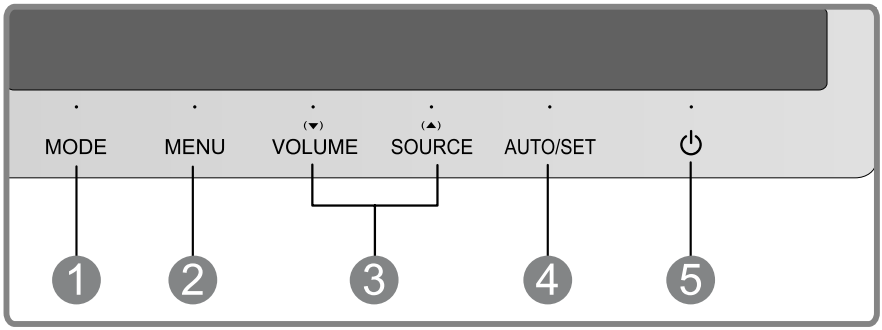
Connecting the USB(Universal Serial Bus) Cable

1. You can use the USB port at the back of the monitor to connect peripherals (USB mouse, USB keyboard, etc.) to the monitor, not to the computer.



2. The monitor's USB terminal supports USB 2.0 and High Speed cables.

Front Panel Controls



1 MODE Button

Use this button to move to items in **COLOR MODE (CUSTOM, sRGB, ADOBE RGB, CALIBRATION, EMULATION)**.

For more information, refer to page 20-21.

2 MENU Button

Use this button to enter or exit the On Screen Display.

OSD LOCKED/UNLOCKED

This function allows you to lock the current control settings, so that they cannot be inadvertently changed. Press and hold the **MENU button** for several seconds. The message **"OSD LOCKED"** should appear.



You can unlock the OSD controls at any time by pushing the **MENU button** for several seconds. The message **"OSD UNLOCKED"** should appear.



③ ▼ ▲ Buttons

Use these buttons to select or adjust functions in the On Screen Display.

(▼) VOLUME

To adjust the headphone/earphone volume. Press the AUTO/SET button to MUTE ON and press it once again to MUTE OFF. (Only for HDMI input)



MUTE OFF

Use the ▲ ▼ buttons to adjust the volume.



MUTE ON

(▲) SOURCE

(SOURCE Hot key)

When two or more input signals are connected, you can select the input signal (DVI-I/DVI-D/HDMI) you want. When only one signal is connected, it is automatically detected.

The default input signal is DVI-I (analog).

④ AUTO/SET Button

Use this button to enter a selection in the On Screen Display.

AUTO IMAGE ADJUSTMENT

When adjusting your display settings, always press the **AUTO/SET** button before entering the On Screen Display(OSD). (Only for DVI-I analog signal cable input)

This will automatically adjust your display image to the ideal settings for the current screen resolution size (display mode).



The best display mode is

1920 x 1200

⑤ Power Button

Use this button to turn the display on or off.

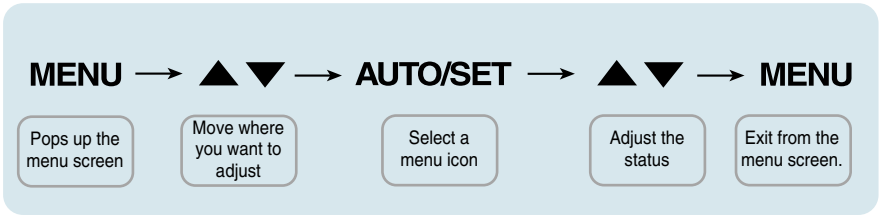
Power Indicator

The power indicator stays red if the display is running properly (On Mode). If the display is in Sleep Mode (Energy Saving), the power indicator is blinking red.

Screen Adjustment

Making adjustments to the image size, position and operating parameters of the display is quick and easy with the On Screen Display Control system.
A short example is given below to familiarize you with the use of the controls. The following section is an outline of the available adjustments and selections you can make using the OSD.

To make adjustments in the On Screen Display, follow these steps:



1. Press the **MENU Button**, then the main menu of the OSD appears.
2. To access a control, use the **▼ or ▲ Buttons**. When the icon you want becomes highlighted, press the **AUTO/SET Button**.
3. Use the **▼ / ▲ Buttons** to adjust the image to the desired level. Use the **AUTO/SET Button** to select other sub-menu items.
4. Press the **MENU Button** once to return to the main menu to select another function. Press the **MENU Button** twice to exit from the OSD.

The following table indicates all the On Screen Display control, adjustment, and setting menus.

DVI-I(A) : DVI-I(Analog) signal
DVI-I(D) : DVI-I(Digital) signal
DVI-D : DVI-D(Digital) signal
HDMI(Y) : HDMI (YUV) signal
HDMI(R) : HDMI (RGB) signal

Main menu	Sub-menu	Supported signals	Description
COLOR MODE	CUSTOM	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	The default mode that adjusts the overall range of colors of the RGB LED panel.
	sRGB	DVI-I(A) DVI-I(D) DVI-D HDMI(R)	Adjusts colors based on sRGB.
	ADOBE RGB	DVI-I(A) DVI-I(D) DVI-D HDMI(R)	Adjusts colors based on ADOBE RGB.
	CALIBRATION	DVI-I(A) DVI-I(D) DVI-D	Adjusts Color features by controlling the Brightness, WhitePoint and Gamma values through the color management system (CMS).
	EMULATION	DVI-I(A) DVI-I(D) DVI-D	Adjusts Color features by controlling the Brightness, WhitePoint , RGB Color Gamut and Gamma values through the color management system (CMS).
PICTURE	BRIGHTNESS CONTRAST GAMMA	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	Standard image settings.
	BLACK LEVEL	HDMI(Y) HDMI(R)	
	WHITE BALANCE	DVI-I(A)	

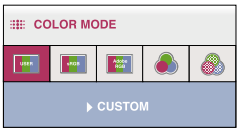
COLOR	COLOR TEMP (PRESET) 5000K 6500K 7200K 8200K 9300K (USER) RED GREEN BLUE HUE SATURATION SIX COLOR (RED/GREEN/ BLUE/CYAN/ MAGENTA/ YELLOW) COLOR RESET	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	Color temperature adjustments
TRACKING	HORIZONTAL VERTICAL	DVI-I(A)	Adjusts the position of the screen
	CLOCK PHASE	DVI-I(A)	Adjusts the clarity and stability of the screen
	SHARPNESS	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	
SETUP	LANGUAGE OSD POSITION (HORIZONTAL / VERTICAL)	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	Additional settings
	OVERSCAN	HDMI(Y) HDMI(R)	
	ARC RTC POWER INDICATOR FACTORY RESET	DVI-I(A) DVI-I(D) DVI-D HDMI(Y) HDMI(R)	

NOTE

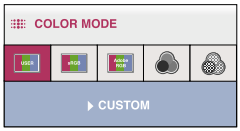
- The order of icons may differ depending on the model (18~27).

■■■ The OSD screen will appear when you press the **MODE** button on the front of the monitor.

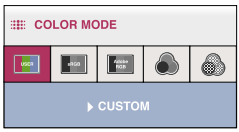
DVI Input



HDMI(RGB) Input



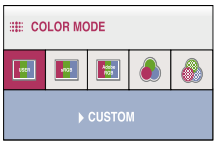
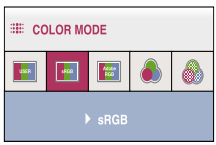
HDMI(YUV) Input



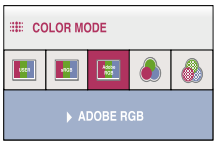
*When HDMI(RGB) is inputted, **CUSTOM, sRGB** and **ADOBE RGB** mode is supported.

*When HDMI(YUV) is inputted, only **CUSTOM** is supported.

■ **MENU** : Exit ■ ▼ ▲ : Move ■ **AUTO/SET** : Select

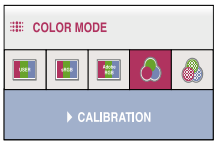
Main menu	Description
 **CUSTOM**	The default mode that adjusts the overall range of colors of the RGB LED panel. You can adjust the color functions of the main menu. * In modes other than **CUSTOM mode**, you cannot adjust the **PICTRUE (CONTRAST,GAMMA)** and **COLOR** functions of the main menu.
 **sRGB**	Color features are set for sRGB specification. Color Temperature, Brightness, Gamma and x and y coordinates of RGBCMY are adjusted based on the sRGB specification.

Main menu	Description



ADOBE RGB

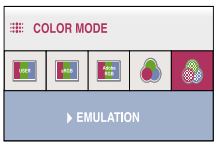
Color features are set for Adobe RGB specification.
Color Temperature, Brightness, Gamma and x and y coordinates of RGBCMY are adjusted based on the Adobe RGB specification.



CALIBRATION

Adjusts Color features by controlling the Brightness, WhitePoint and Gamma values through the color management system (CMS).

* This function is available only after **'True Color Finder'** is installed on the computer and calibration has been performed with the calibrator.

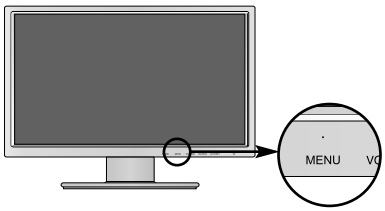


EMULATION

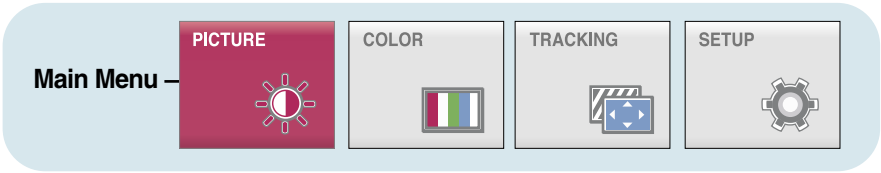
Adjusts Color features by controlling the Brightness, WhitePoint , RGB Color Gamut and Gamma values through the color management system (CMS).

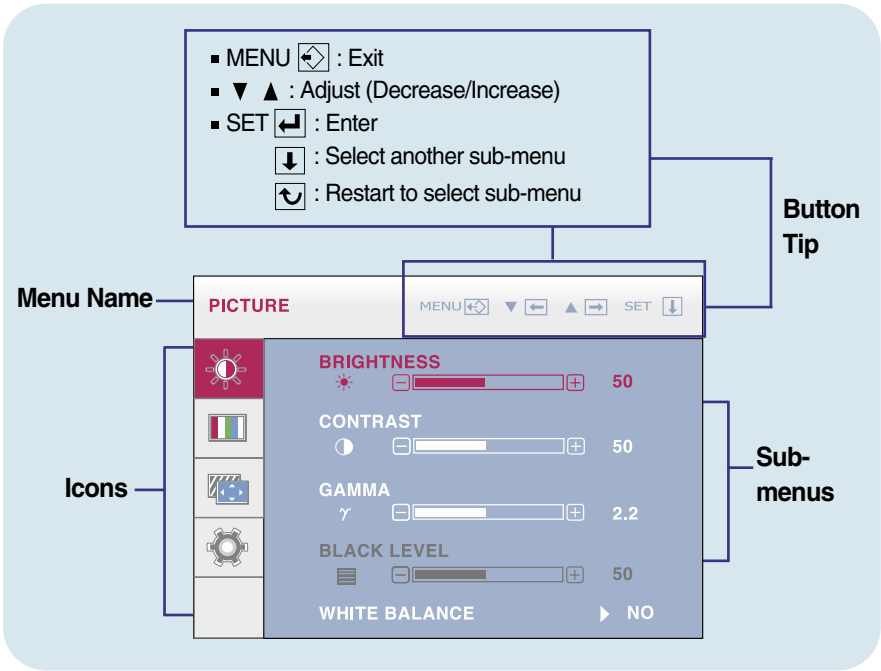
* This function is available only after **'True Color Finder'** is installed on the computer and calibration has been performed with the calibrator.

■■■ You were introduced to the procedure of selecting and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the all items shown on the Menu.



Press the **MENU** Button, then the main menu of the OSD appears.





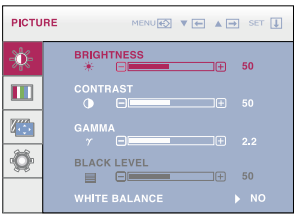
NOTE

▪ OSD (On Screen Display) menu languages on the monitor may differ from the manual.

Main menu	Sub menu	Description



PICTURE

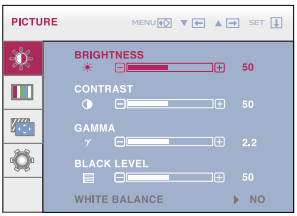


BRIGHTNESS To adjust the brightness of the screen.

CONTRAST To adjust the contrast of the screen.

GAMMA Set your own gamma value.
: 1.8 ~ 2.6
On the monitor, high gamma values display whitish images and low gamma values display blackish images.

HDMI Input



BLACK LEVEL You can set the offset level. If the black level value becomes higher, the screen grows brighter. If the value becomes lower, the screen grows darker.
(Only for HDMI input)

* **Offset?** As the criteria for video signal, it is the darkest screen the monitor can show.

- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu

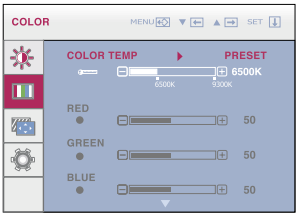
WHITE BALANCE If the output of the video card is different the required specifications, the color level may deteriorate due to video signal distortion. Using this function, the signal level is adjusted to fit into the standard output level of the video card in order to provide the optimal image.
Activate this function when white and black colors are present in the screen.
(Only for DVI-I analog input)

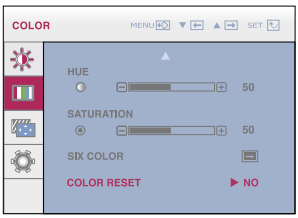
Main menu	Sub menu	Description
COLOR		



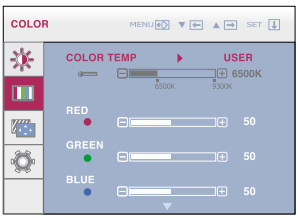
COLOR

PRESET Mode





USER Mode





Use the ▼▲ button to go to sub-menu.



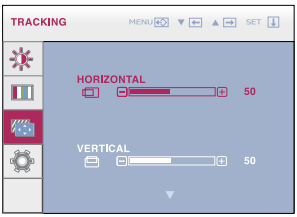
- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu

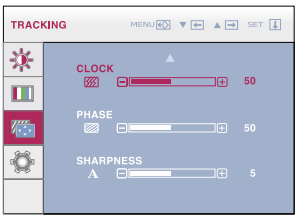
COLOR TEMP	Select either PRESET or USER to adjust the screen color.
PRESET	Select the preset color temperature. 5000K-6500K: Yellow screen color. 6500K-7200K: Red screen color. 8200K-9300K: Blue screen color.
USER	A user can create screen color by adjusting RED, GREEN and BLUE.
RED **GREEN** **BLUE**	Set your own red color levels.
HUE	Adjusts the screen hue.
SATURATION	Adjusts the color sharpness on the screen. Lower values make the color sharpness weaker and colors lighter while higher values make the color sharpness stronger and colors darker.
SIX COLOR	Sets and stores the hue and saturation for six colors(RED/GREEN/BLUE/CYAN/MAGENTA/YELLOW) to satisfy the color requirements of a user.
COLOR RESET	Resets the color settings to the factory default settings for the current input device.

Main menu	Sub menu	Description



TRACKING





- **MENU** : Exit
- ▼ : Decrease
- ▲ : Increase
- **SET** : Select another sub-menu

HORIZONTAL To move image left and right.

VERTICAL To move image up and down.

CLOCK To minimize any vertical bars or stripes visible on the screen background.
The horizontal screen size will also change.

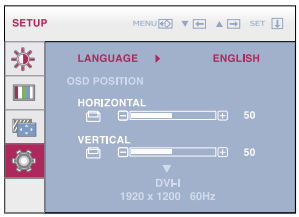
PHASE To adjust the focus of the display. This item allows you to remove any horizontal noise and clear or sharpen the image of characters.

SHARPNESS To adjust the clearness of the screen.

Main menu	Sub menu	Description



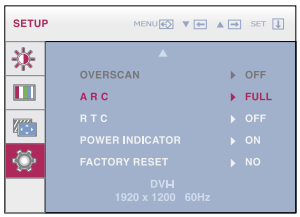
SETUP



LANGUAGE — To choose the language in which the control names are displayed.

OSD POSITION — To adjust position of the OSD window on the screen.

DVI Input



OVERSCAN — Removes noise that may occur at the edges of an image when HDMI is connected to an external device. When ON is selected, the image size is reduced to prevent noise. When OFF is selected, the original image size is maintained regardless of noise. (Only for HDMI input)

- **MENU** : Exit
- ▼ : Adjust
- ▲ : Adjust
- **SET** : Select another sub-menu

ARC — Sets the screen size.
- FULL: Fits the screen to the panel size.
- ORIGINAL: Adjusts the aspect ratio automatically depending on input image signal.
-1:1: Changes the aspect ratio to 1:1 depending on input image signal.



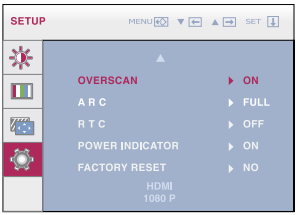
* ARC is disabled when the input signal has the recommended resolution of 1920 x 1200.

Main menu	Sub menu	Description



SETUP

HDMI Input



- **MENU** : Exit
- ▼ : Adjust
- ▲ : Adjust
- **SET** : Select another sub-menu

RTC

If you set **ON**, you enable the Response Time Control function and reduce the afterimage of the screen.
If you set **OFF**, you disenable the Response Time Control function and operate at panel response time.

POWER INDICATOR

Use this function to set the power indicator on the front side of the monitor to **ON** or **OFF**.
If you set **OFF**, it will go off.
If you set **ON** at any time, the power indicator will automatically be turned on.

FACTORY RESET

Restore all factory default settings except '**LANGUAGE**' and the color settings of '**CALIBRATION**', '**EMULATION**' mode.
Press the ▲,▼ buttons to reset immediately.

NOTE
If this does not improve the screen image, restore the factory default settings. If necessary, execute the white balance function again. The White Balance function is available only when the input signal is DVI-I (Analog).

Check the following before calling for service.

No image appears	
● **Is the power cord of the display connected?**	• Check and see if the power cord is connected properly to the power outlet.
● **Is the power indicator light on?**	• Press the Power button.
● **Is the power on and the power indicator red?**	• Adjust the brightness and the contrast.
● **Is the power indicator blinking?**	• If the display is in power saving mode, try moving the mouse or pressing any key on the keyboard to bring up the screen. • Try to turn on the PC.
● **Do you see an "OUT OF RANGE" message on the screen?**	• This message appears when the signal from the PC (video card) is out of horizontal or vertical frequency range of the display. See the 'Specifications' section of this manual and configure your display again.
● **Do you see a "CHECK SIGNAL CABLE" message on the screen?**	• This message appears when the signal cable between your PC and your display is not connected. Check the signal cable and try again.

Do you see a "OSD LOCKED" message on the screen?	
● **Do you see "OSD LOCKED" when you push MENU button?**	• You can secure the current control settings, so that they cannot be inadvertently changed. You can unlock the OSD controls at any time by pushing the **MENU** button for several seconds: the message **"OSD UNLOCKED"** will appear.

Display image is incorrect

● **Display Position is incorrect.**	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, adjust the image position using the **H position and V position** icon in the on screen display.
● **On the screen background, vertical bars or stripes are visible.**	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the vertical bars or stripes using the **CLOCK** icon in the on screen display.
● **Any horizontal noise appearing in any image or characters are not clearly portrayed.**	• Press the **AUTO/SET** button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the horizontal bars using the **PHASE** icon in the on screen display. • Check **Control Panel --> Display --> Settings** and adjust the display to the recommended resolution or adjust the display image to the ideal setting. Set the color setting higher than 24 bits (true color).

IMPORTANT

- Check **Control Panel --> Display --> Settings** and see if the frequency or the resolution were changed. If yes, readjust the video card to the recommend resolution**.**
- If the recommended resolution (optimal resolution) is not selected, letters may be blurred and the screen may be dimmed, truncated or biased. Make sure to select the recommend resolution.
- The setting method can differ by computer and O/S (Operation System), and resolution mentioned above may not be supported by the video card performance. In this case, please ask to the computer or the video card manufacturer.

Display image is incorrect

● **The screen color is mono or abnormal.**	• Check if the signal cable is properly connected and use a screwdriver to fasten if necessary. • Make sure the video card is properly inserted in the slot. • Set the color setting higher than 24 bits (true color) at **Control Panel - Settings**.
● **The screen blinks.**	• Check if the screen is set to interlace mode and if yes, change it to the recommend resolution.

Do you see an "Unrecognized monitor, Plug&Play (VESA DDC) monitor found" message?

● **Have you installed the display driver?**	• 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: http://www.lge.com. • Make sure to check if the video card supports Plug&Play function.

The Audio function is not working

● **Picture OK & No sound.**	• Check whether volume is "0". • Check sound muted. • HDMI cable installed properly. • Head phone cable installed properly. • Check sound format. Not supply to compressed sound format.

Display	24.0 inches (60.96 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size : 60.96 cm 0.270 x 0.270 mm (Pixel Pitch)
Sync Input	Horizontal Freq. 30 - 83 kHz (Automatic) Vertical Freq. 56 - 75 Hz (Automatic) Input Form Separate Sync. Digital
Video Input	Signal Input DVI-I Connector (Analog, Digital) DVI-D Connector (Digital), HDMI Connector(Video) Input Form RGB Analog, Digital, HDMI
Resolution	Max VESA 1920 x 1200 @ 60 Hz Recommend DVI-I/DVI-D Input : VESA 1920 x 1200 @ 60 Hz HDMI(Video) Input : VESA 1920 x 1080 @ 60 Hz
Plug&Play	DDC 2B
Power Consumption	On Mode : 64 W(Typ.) Sleep Mode ≤ 2 W(DVI-I Input) Off Mode ≤ 1 W
Dimensions & Weight	**With Stand** Width 56.01 cm / 22.05 inches Height 44.66 cm / 17.58 inches (Min.) 54.66 cm / 21.52 inches (Max.) Depth 27.02 cm / 10.64 inches **Without Stand** Width 56.01 cm / 22.05 inches Height 37.21 cm / 14.65 inches Depth 9.55 cm / 3.76 inches **Weight(excl. packing)** 9.6 kg (21.16 lbs) 10.5 kg (23.15 lbs)(With Hood)
Range	Tilt -6˚~22˚ Swivel 350˚ Height 100 mm / 3.94 inches
Power Input	AC 100-240V~ 50/60Hz 0.9A

Environmental Conditions	**Operating Conditions** Temperature 10˚C to 35 ˚C Humidity 10 % to 80 % non-Condensing **Storage Conditions** Temperature -20˚C to 60 ˚C Humidity 5 % to 90 % non-Condensing
Stand Base	Attached ( ), Detached (O)
Power cord	Wall-outlet type
USB	Standard USB 2.0, Self-Power Data Rate Max 480 Mbps Power Consumption Max 2.5W x 4

NOTE

- Information in this document is subject to change without notice.

Preset Modes (Resolution) - DVI INPUT

	Display Modes (Resolution)		Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	VGA	640 x 480	31.469	59.940
2	VESA	640 x 480	37.500	75.000
3	VESA	720 x 480	35.162	59.901
4	VGA	720 x 400	31.500	70.156
5	VESA	800 x 600	37.879	60.317
6	VESA	800 x 600	46.875	75.000
7	VESA	1024 x 768	48.363	60.004
8	VESA	1024 x 768	60.023	75.029
9	VESA	1152 x 864	67.500	75.000
10	VESA	1280 x 768	47.776	59.870
11	VESA	1280 x 768	60.289	74.893
12	VESA	1280 x 1024	63.981	60.020
13	VESA	1280 x 1024	79.976	75.025
14	VESA	1600 x 1200	75.000	60.000
15	VESA	1680 x 1050	64.674	59.883
16	VESA	1680 x 1050	65.290	60.454
*17	VESA	1920 x 1200	74.038	59.950

*Recommend Mode

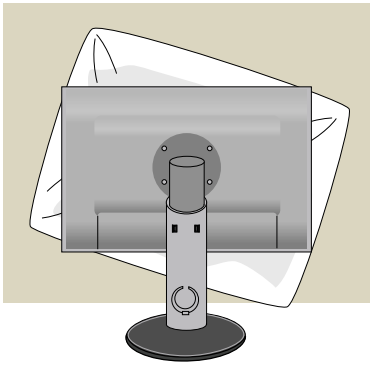
HDMI VEDIO INPUT

	Display Modes (Resolution)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	480P	31.50	60.00
2	576P	31.25	50.00
3	720P	37.50	50.00
4	720P	45.00	60.00
5	1080i	28.12	50.00
6	1080i	33.75	60.00
7	1080P	56.25	50.00
8	1080P	67.50	60.00

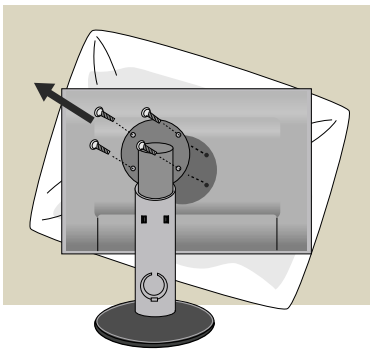
Indicator

MODE	LED Color
On Mode	Red
Sleep Mode	Red Blinking
Off Mode	Off

This monitor satisfies the specifications of the Wall mount plate or the interchange device.

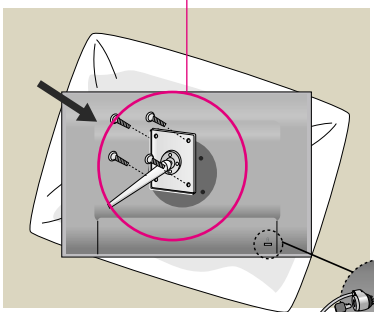


1. After moving the product to face downward, make sure to place it on a soft cloth or a cushion to avoid surface damage.



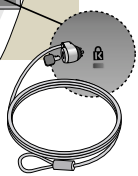
2. Separate the head and the stand with the use of a screwdriver.

3. Install the Wall mount plate.



Wall mount plate (Separate purchase)
- Be sure to use screws and a wall mount that meet VESA standards.
- Using screws longer than those recommended might damage the product.
- Using screws that do not meet VESA standards might either damage the product or result in it coming away from the wall.We will not be held responsible for any damage resulting from failure to follow these instructions.

< Screw Mounting Interface Dimension >
Hole spacing : 100 mm x 100 mm



Kensington Security Slot
Connected to a locking cable that can be purchased separately at most computer stores.

Digitally yours

