

# On Screen Display(OSD) Selection and Adjustment

Main menu	Sub menu	Description
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 **COLOR**

**PRESET Mode**



**COLOR TEMP** Select either PRESET or USER to adjust the screen color.

**PRESET**

Select the preset color temperature.

- **WARM**: Set the screen to warm color temperature .
- **MEDIUM**: Set the screen to medium color temperature.
- **COOL**: Set the screen to cool color temperature.

**USER Mode**



**USER**

**SIX COLOR**

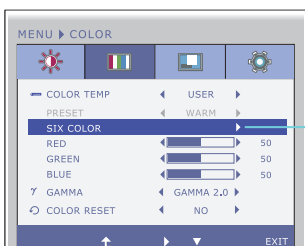
Sets and stores the hue and saturation for six colors(RED/GREEN/BLUE/CYAN/MAGENTA/YELLOW) to satisfy the color requirements of a user.

**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.



**RED**

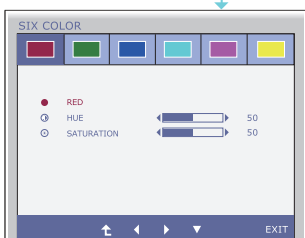
Set your own red color levels.

**GREEN**

Set your own green color levels.

**BLUE**

Set your own blue color levels.



**GAMMA**

Set your own gamma value. : 1.8/2.0/2.2/2.4/2.6  
On the monitor, high gamma values display whitish images and low gamma values display blackish images.

**COLOR RESET**

Resets the color settings to the factory default settings for the current input device.

- **Exit** : Exit
- ◀ : Decrease
- ▶ : Increase
- ▼ : Select another sub-menu
- ⤴ : Restart to select sub-menu

# On Screen Display(OSD) Selection and Adjustment

Main menu	Sub menu	Description
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## DISPLAY



**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.

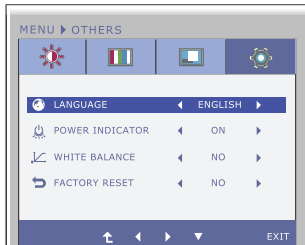
**PHASE** To adjust the focus of the display.  
This item allows you to remove any horizontal noise and clear or sharpen the image of characters.

- **Exit** : Exit
- ◀ : Decrease
- ▶ : Increase
- ▼ : Select another sub-menu
- ▲ : Restart to select sub-menu

Main menu	Sub menu	Description
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## OTHERS



### LANGUAGE

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

### 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 be turned off. If you set **ON** at any time, the power indicator will automatically be turned on.

- **Exit** : Exit
- ◀ : Decrease
- ▶ : Increase
- ▼ : Select another sub-menu
- ▲ : Restart to select 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.

### FACTORY RESET

Restore all factory default settings except "**LANGUAGE.**"

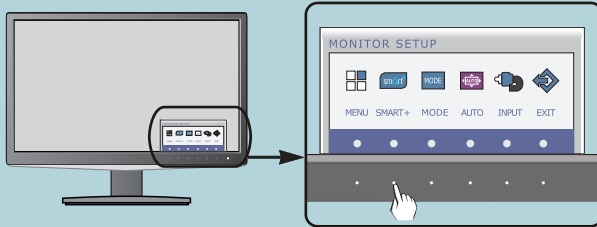
Press the ◀, ▶ buttons to reset immediately.

## NOTE

- If this does not improve the screen image, restore the factory default settings. If necessary, execute the **WHITE BALANCE** function again. This function will be enabled only when the input signal is an analog signal.

# On Screen Display(OSD) Selection and Adjustment

- ■ ■ 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.

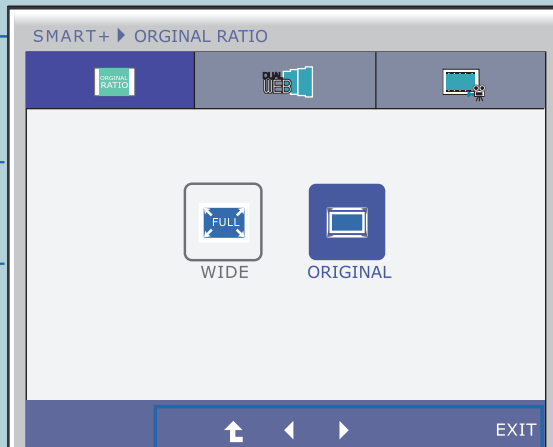


Press the **SMART+** Button, then the main menu of the OSD appears.

Menu Name

Icons

Sub-menus



- EXIT : Exit
- ◀ ▶ : Move
- ⬆ : Restart to select sub-menu

Button Tip

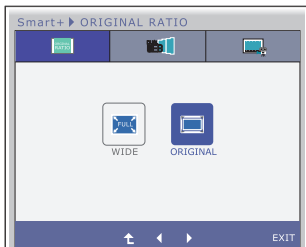
## NOTE

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

Main menu	Sub menu	Description
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## SMART+



### ORIGINAL RATIO

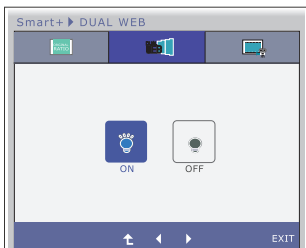
Switch to full screen mode according to input image signal.

\*This function works only if input resolution is lower than monitor ratio (16:9).

\* Before using below functions, please install Easy Set Package program.

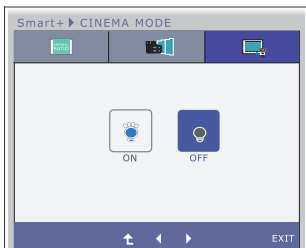


## SMART+



### DUAL WEB

- Help user to browse web efficiently by dividing in half.
- Help to arrange and move windows on screen.
- Help user to control divided windows ratio.



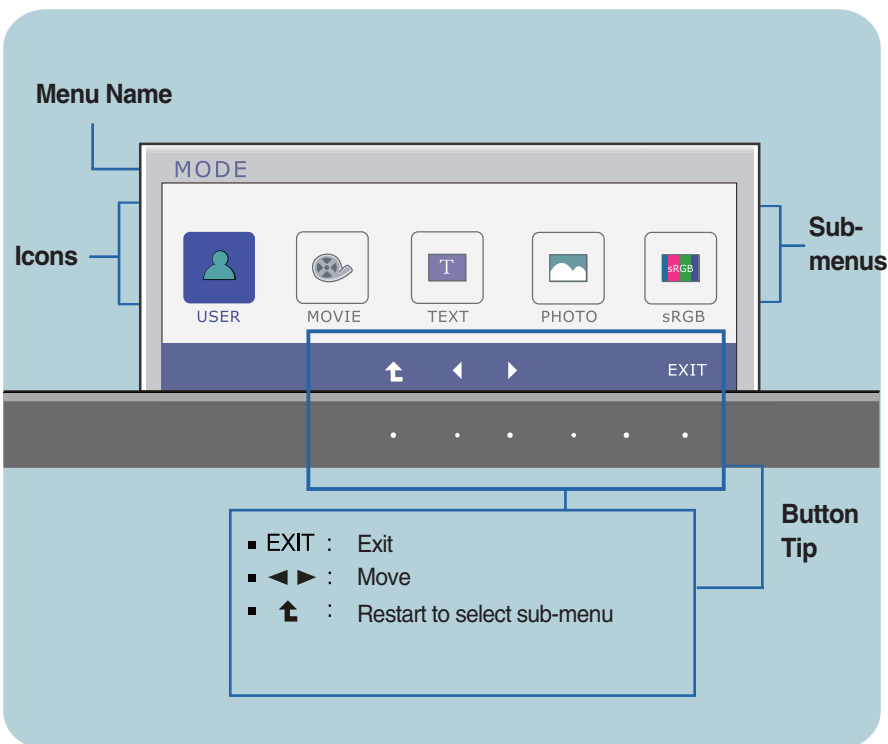
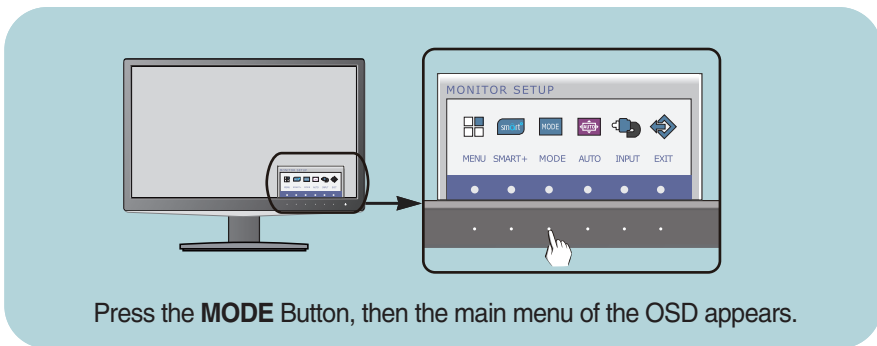
### CINEMA MODE

- Make the eye comfortable by reducing the background brightness in the web page.

- **Exit** : Exit
- **◀, ▶** : Move
- **⬆** : Restart to select sub-menu

# On Screen Display(OSD) Selection and Adjustment



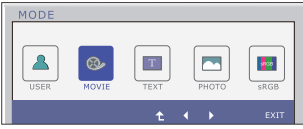
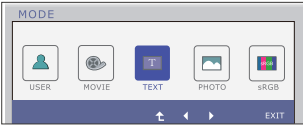
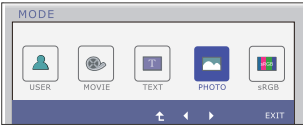
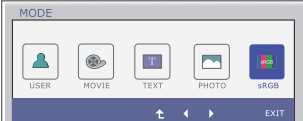
- ■ ■ You were introduced to the procedure of selecting and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the all items shown on the Menu.



## NOTE

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

# On Screen Display(OSD) Selection and Adjustment

Main menu	Sub menu	Description
	<b>MODE</b>	
	<b>USER</b>	It is a mode that the user can adjust each element. It can adjust the color mode of the Main Menu.
	<b>MOVIE</b>	It is a mode that the screen is adjusted to the best to view the videos.
	<b>TEXT</b>	It is a mode that the screen is adjusted to the best for the text works.
	<b>PHOTO</b>	It is a mode that the screen is adjusted to the best to view pictures.
	<b>sRGB</b>	It is a mode that the screen is adjusted to the standard sRGB.

- **Exit** : Exit
- **◀, ▶** : Move
- **⬆** : Select another sub-menu

Check the following before calling for service.

No image appears	
<ul style="list-style-type: none"><li>● <b>Is the power cord of the display connected?</b></li></ul>	<ul style="list-style-type: none"><li>• Check and see if the power cord is connected properly to the power outlet.</li></ul>
<ul style="list-style-type: none"><li>● <b>Is the power indicator light on?</b></li></ul>	<ul style="list-style-type: none"><li>• Press the Power button.</li></ul>
<ul style="list-style-type: none"><li>● <b>Is the power indicator flickering?</b></li></ul>	<ul style="list-style-type: none"><li>• If the display is in power saving mode, try moving the mouse or pressing any key on the keyboard to bring up the screen.</li><li>• Try to turn on the PC.</li></ul>
<ul style="list-style-type: none"><li>● <b>Do you see an "OUT OF RANGE" message on the screen?</b></li></ul>	<ul style="list-style-type: none"><li>• 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.</li></ul>
<ul style="list-style-type: none"><li>● <b>Do you see a "CHECK SIGNAL CABLE" message on the screen?</b></li></ul>	<ul style="list-style-type: none"><li>• This message appears when the signal cable between your PC and your display is not connected. Check the signal cable and try again.</li></ul>

Do you see a "OSD LOCKED" message on the screen?	
<ul style="list-style-type: none"><li>● <b>Do you see "OSD LOCKED" when you push MENU button?</b></li></ul>	<ul style="list-style-type: none"><li>• 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 <b>MENU</b> button for several seconds: the message "<b>OSD UNLOCKED</b>" will appear.</li></ul>



## Display image is incorrect

- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>● <b>Display Position is incorrect.</b></li></ul>   | <ul style="list-style-type: none"><li>● Press the <b>AUTO</b> button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, adjust the image position using the <b>H position and V position</b> icon in the on screen display.</li></ul>   |
| <ul style="list-style-type: none"><li>● <b>On the screen background, vertical bars or stripes are visible.</b></li></ul>                      | <ul style="list-style-type: none"><li>● Press the <b>AUTO</b> button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the vertical bars or stripes using the <b>CLOCK</b> icon in the on screen display.</li></ul>   |
| <ul style="list-style-type: none"><li>● <b>Any horizontal noise appearing in any image or characters are not clearly portrayed.</b></li></ul> | <ul style="list-style-type: none"><li>● Press the <b>AUTO</b> button to automatically adjust your display image to the ideal setting. If the results are unsatisfactory, decrease the horizontal bars using the <b>PHASE</b> icon in the on screen display.</li><li>● Check <b>Control Panel --&gt; Display --&gt; Settings</b> 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).</li></ul> |

## 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

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>● <b>The screen color is mono or abnormal.</b></li></ul> | <ul style="list-style-type: none"><li>• Check if the signal cable is properly connected and use a screwdriver to fasten if necessary.</li><li>• Make sure the video card is properly inserted in the slot.</li><li>• Set the color setting higher than 24 bits (true color) at <b>Control Panel - Settings</b>.</li></ul> |
| <ul style="list-style-type: none"><li>● <b>The screen blinks.</b></li></ul>                    | <ul style="list-style-type: none"><li>• Check if the screen is set to interlace mode and if yes, change it to the recommend resolution.</li></ul>   |

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

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>● <b>Have you installed the display driver?</b></li></ul> | <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> |
|---|---|

<b>Display</b>	50.8 cm (20.0 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size : 50.8 cm 0.2766 x 0.2766 mm (Pixel pitch)	
<b>Sync Input</b>	Horizontal Freq. Vertical Freq. Input Form	30 - 83 kHz (Automatic) 56 - 75 Hz (Automatic) Separate Sync. Digital
<b>Video Input</b>	Signal Input Input Form	15 pin D-Sub Connector DVI-D Connector (Digital) RGB Analog (0.7 Vp-p/ 75 ohm), Digital
<b>Resolution</b>	Max Recommend	VESA 1600 x 900 @ 60 Hz VESA 1600 x 900 @ 60 Hz
<b>Plug&amp;Play</b>	DDC 2B(Digital),DDC2AB(Anlaog)	
<b>Power Consumption</b>	On Mode Sleep Mode Off Mode	: 28 W(Typ.) ≤ 0.5 W ≤ 0.5 W
<b>Dimensions &amp; Weight</b>	<b>With Stand</b>	<b>Without Stand</b>
	Width 47.99 cm (18.89 inch) Height 38.30 cm (15.08 inch) Depth 23.00 cm ( 9.06 inch)	Width 47.99 cm (18.89 inch) Height 31.12 cm (12.25 inch) Depth 3.99 cm ( 1.57 inch)
	<b>Weight(excl. packing)</b>	3.1 kg (6.84 lb)
<b>Range</b>	Tilt : -5° - 15°	
<b>Power Input</b>	19 V  2.0 A	
<b>AC-DC Adapter</b>	Type PA-1650-68,manufactured by LITEON TECHNOLOGY CORP. or Type EADP-40LB B,manufactured by Delta Electronics,Inc.	
<b>Environment al Conditions</b>	<b>Operating Conditions</b> Temperature 10 °C to 35 °C Humidity 10 % to 80 % non-Condensing	<b>Storage Conditions</b> Temperature -20 °C to 60 °C Humidity 5 % to 90 % non-Condensing
<b>Stand Base</b>	Attached ( <input type="checkbox"/> ), Detached ( <input type="checkbox"/> )	
<b>Power cord</b>	Wall-outlet type	

**NOTE**

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

<b>Display</b>	54.6 cm (21.5 inch) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size : 54.6 cm 0.248 x 0.248 mm (Pixel pitch)	
<b>Sync Input</b>	Horizontal Freq. Vertical Freq. Input Form	30 - 83 kHz (Automatic) 56 - 75 Hz (Automatic) Separate Sync. Digital
<b>Video Input</b>	Signal Input Input Form	15 pin D-Sub Connector DVI-D Connector (Digital) RGB Analog (0.7 Vp-p/ 75 ohm), Digital
<b>Resolution</b>	Max Recommend	VESA 1920 x 1080 @ 60 Hz VESA 1920 x 1080 @ 60 Hz
<b>Plug&amp;Play</b>	DDC 2B(Digital),DDC2AB(Anlaog)	
<b>Power Consumption</b>	On Mode Sleep Mode Off Mode	: 33 W(Typ.) ≤ 0.5 W ≤ 0.5 W
<b>Dimensions &amp; Weight</b>	<b>With Stand</b>	<b>Without Stand</b>
	Width 51.48 cm (20.27 inch) Height 40.30 cm (15.87 inch) Depth 23.00 cm ( 9.06 inch)	Width 51.48 cm (20.27 inch) Height 33.22 cm (13.08 inch) Depth 4.04 cm ( 1.59 inch)
	<b>Weight(excl. packing)</b>	3.4 kg (7.50 lb)
<b>Range</b>	Tilt : -5° - 15°	
<b>Power Input</b>	19 V $\equiv$ 2.0 A	
<b>AC-DC Adapter</b>	Type PA-1650-68,manufactured by LITEON TECHNOLOGY CORP. or Type EADP-40LB B,manufactured by Delta Electronics,Inc.	
<b>Environment al Conditions</b>	<b>Operating Conditions</b>	
	Temperature Humidity	10 °C to 35 °C 10 % to 80 % non-Condensing
	<b>Storage Conditions</b>	
	Temperature Humidity	-20 °C to 60 °C 5 % to 90 % non-Condensing
<b>Stand Base</b>	Attached ( <input type="checkbox"/> ), Detached ( <input type="checkbox"/> )	
<b>Power cord</b>	Wall-outlet type	

**NOTE**

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

## Preset Modes (Resolution)

### ■ IPS206T

Display Modes (Resolution)		Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	720 x 400	31.468	70
2	640 x 480	31.469	60
3	640 x 480	37.500	75
4	800 x 600	37.879	60
5	800 x 600	46.875	75
6	1024 x 768	48.363	60
7	1024 x 768	60.123	75
8	1152 x 864	67.500	75
*9	1600 x 900	60.000	60

\* Recommend Mode

### ■ IPS226T

Display Modes (Resolution)		Horizontal Freq. (kHz)	Vertical Freq. (Hz)
1	720 x 400	31.468	70
2	640 x 480	31.469	60
3	640 x 480	37.500	75
4	800 x 600	37.879	60
5	800 x 600	46.875	75
6	1024 x 768	48.363	60
7	1024 x 768	60.123	75
8	1152 x 864	67.500	75
9	1280 x 1024	63.981	60
10	1280 x 1024	79.976	75
11	1680 x 1050	65.290	60
*12	1920 x 1080	67.500	60

\* Recommend Mode

## Indicator

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

# Installing the Wall mount plate

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

1. Place the monitor face down on the soft cloth.



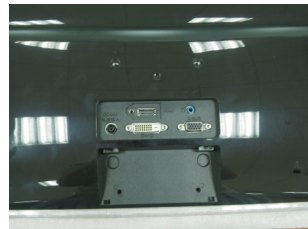
2. When you desire to disintegrate the monitor from the stand base, use a coin to turn the screw counterclockwise.



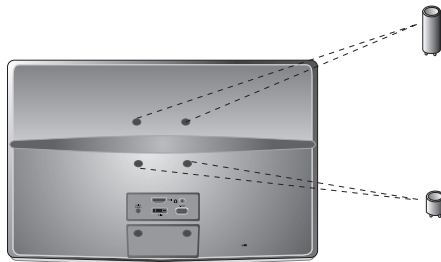
3. Pull out the Stand Base to remove.



4. Remove the Stand Body.

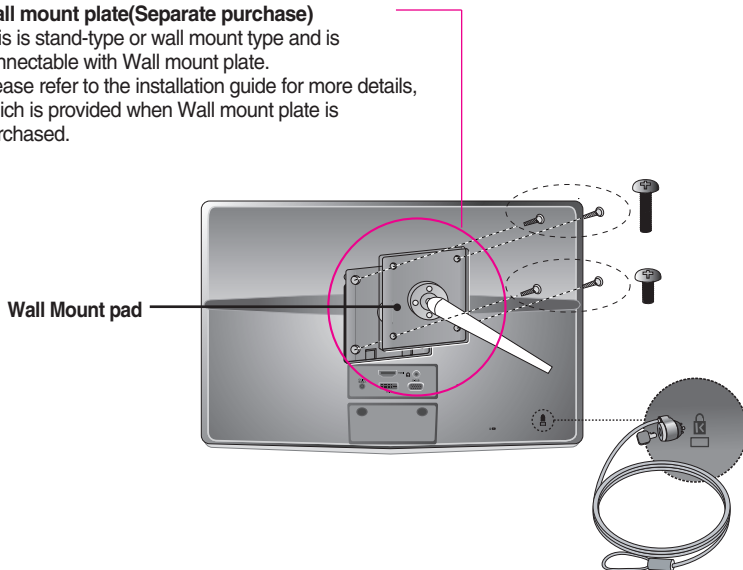


## 5. Install the Wall mount plate.



### Wall mount plate (Separate purchase)

This is stand-type or wall mount type and is connectable with Wall mount plate. Please refer to the installation guide for more details, which is provided when Wall mount plate is purchased.



### Kensington Security Slot

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



Make sure to read the Safety Precautions before using the product.

Keep the OWNER'S MANUAL(CD) in an accessible place for future reference.

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

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.