# User's Guide

# W2043T W2243T W2343T

Make sure to read the **Important Precautions** before using the product. Keep the User's Guide(CD) in an accessible place for future reference. **S**ee the label attached on the product and give the information to your dealer when you ask for service.



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.

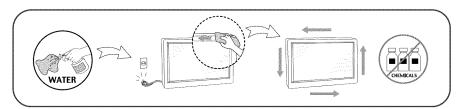
Do not shock or scratch the front and sides of the screen with metallic objects. Otherwise, it may cause damage to the screen.

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

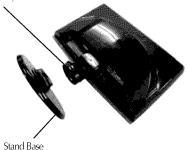
- The fluorescent lamp used in this product contains a small amount of mercury.
- Do not dispose of this product with general household waste.
- Disposal of this product must be carried out in accordance to the regulations of your local authority.

### Connecting the Display

• Before setting up the monitor, ensure that the power to the monitor, the computer system, and other attached devices is turned off.

### Connecting the stand

- 1. Place the monitor with its front facing downward on a soft cloth.
- 2. Assemble the Stand Base(Front, Rear) into the Stand Body in the correct direction. Stand Body



3. Tie down the base lock to perpendicularity direction.



**4.** Once assembled take the monitor up carefully and face the front side.

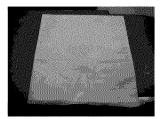
#### Important

- 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.



## Disassembling the stand

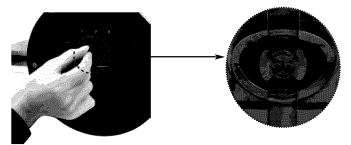
1. Put a cushion or soft cloth on a flat surface.



2. Place the monitor face down on the cushion or soft cloth.



3. Change your lock on the product as it follows and turn it in the arrow direction.

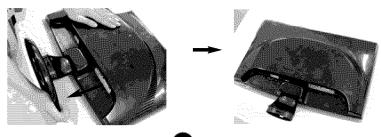


If you can't release the stand base even the locking rib is at a release position, Please push the indicated rib down and retry it.





4. Pull out the stand to remove.

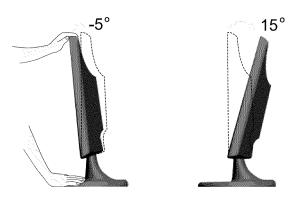


## Connecting the Display

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

## Positioning your display

- 1. Adjust the position of the panel in various ways for maximum comfort.
  - Tilt Range: -5°~15°



#### Ergonomic

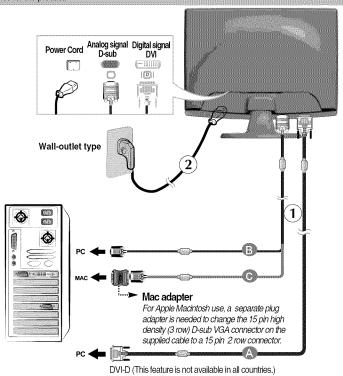
It is recommended that in order to maintain an ergonomic and comfortable viewing position, the forward tilt angle of the monitor should not exceed 5 degrees.

## Using the Computer

- 1. Make sure to turn off the computer and product. Connect the cable as below sketch map form to .
- 🚯 Connect DVI-D Cable
- B Connect D-sub Cable (PC)
- Connect D-sub Cable (Mac)

#### 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.
- User must use shielded signal interface cables (D-sub 15 pin cable, DVI cable) with ferrite cores to maintain standard compliance for the product.

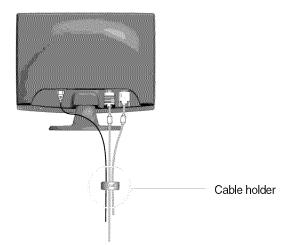


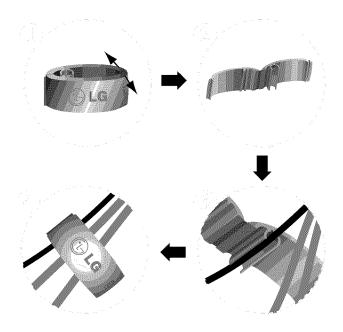
2. Press 🕁 button on the front switch panel to turn the power on. When monitor power is turned on, the 'Self Image Setting Function' is executed automatically. (Only Analog Mode)



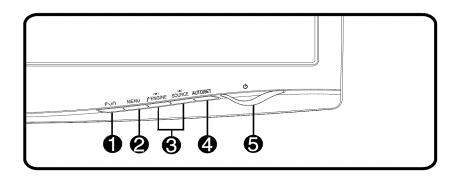
#### NOTE \* Self Image Setting Function'? This function provides the user with optimal display settings. When the user connects the monitor for the first time, this function automatically adjusts the display to optimal settings for individual input signals. \*AUTO/SET Function? When you encounter problems 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.

Using the cable holder (This feature is not available in all models.)





### **Front Panel Controls**

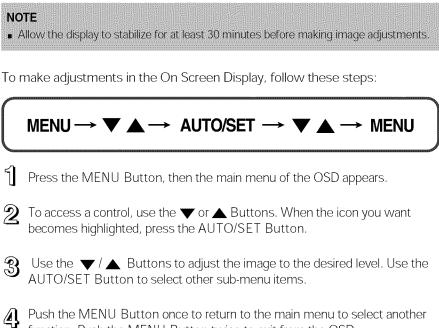


Control	Function
● FUn Button	Use this button to enter <b>4:3 IN WIDE</b> , <b>PHOTO EFFECT</b> items, for more information, refer to page A17.
MENU Button	Use this button to enter or exit from the On Screen Display.
	OSD LOCKED/UNLOCKED
03D LOCKED	This function allows you to lock the current control settings, so that these settings are not inadvertently changed. To lock the OSD settings, press and hold the <b>MENU button</b> for several seconds. The message " <b>OSD LOCKED</b> " appears.
	You can unlock the OSD settings at any time by pushing the <b>MENU button</b> for several seconds. The message " <b>OSD UNLOCKED</b> " appears.

	Control	Function
8	▼▲ Buttons	Use these buttons to select or adjust functions in the On Screen Display.
	▼ Button ( <i>f</i> ·ENGINE )	For more information, refer to page A18.
	Button (SOURCE)	Use this button to make either D-Sub or DVI connector active. This feature is used when two computers are connected to the display. The default setting is D-Sub.
4	AUTO/SET Button	Use this button to select an icon in the On Screen Display.
	PROCESSING AUTO IMAGE ADJUSTMENT	AUTO IMAGE ADJUSTMENT When adjusting your display settings, always press the AUTO/SET button prior to entering the On Screen Display(OSD). This will automatically adjust your display image to the ideal settings for the current screen resolution size (display mode). The best display mode is: W2043T : 1600 x 900 W2243T/W2343T : 1920 x 1080
6	Power Button	Use this button to turn the display on or off.
	Power Indicator	This Indicator lights up as red when the display is operating normally(On Mode). If the display is in Sleep Mode (Energy Saving), this indicator color changes to flicker.

#### 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 vou can make using the OSD.



function. Push the MENU Button twice to exit from the OSD.

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

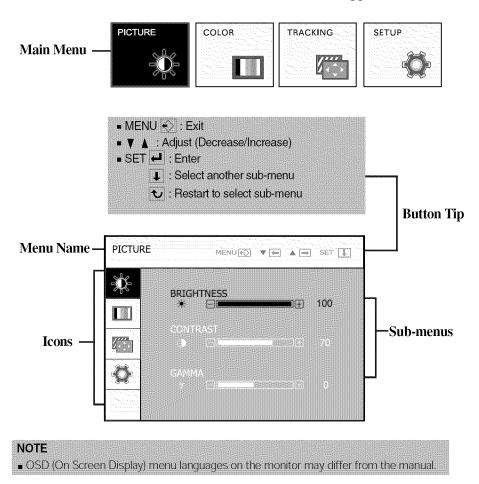
Main menu	Sub-menu		A	D	Reference	
4:3 IN WIDE			۲	۲	To adjust the image size	
	NORMAL		۲	۲		
рното	GAUSSIAN BLUR		۲	۲	To adjust screen color mode	
EFFECT	SEPIA		۲	۲	To adjust screen color mode	
	MONOCHR	OME	۲	۲		
	BRIGHTNES	SS	۲	۲		
PICTURE	CONTRAST		۲	۲	To adjust the brightness, contrast and gamma of the screen	
	GAMMA		۲	۲		
		sRGB	۲	۲		
	PRESET	6500K	۲	۲		
COLOR		9300K	۲	۲		
COLOR	RED		۲	۲	To costomize the color of the screen	
	GREEN		۲	۲		
	BLUE		۲	۲		
	HORIZONT	AL.	۲		To adjust the position of the screen	
	VERTICAL		۲		To adjust the position of the screen	
TRACKING	CLOCK		۲			
	PHASE		۲		To improve the clarity and stability of the screen	
	SHARPNES	S	۲	۲		
	LANGUAGE		۲	۲		
	OSD	HORIZONTAL	۲	۲		
SETUP	POSITION	VERTICAL	۲	۲	To costomize the screen status for a	
SETUP	WHITE BALANCE		۲		user's operating environment	
	POWER INE	DICATOR	۲	۲		
	FACTORY RESET		۲	۲		
	MOVIE		۲	۲		
FLATRON F-ENGINE	INTERNET		۲	۲		
	USER		۲	۲	To select or customize desired image settings	
	NORMAL		۲	۲	~	
	DEMO		۲	۲		
🌒 : Adjustable A : Analog Input						
				D :	Digital Input	
NOTE						

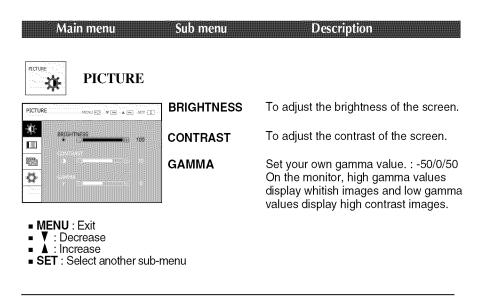
The order of icons may differ depending on the model (A12~A18).

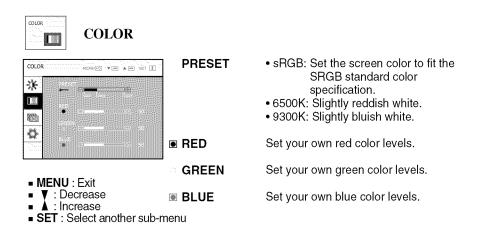


You were introduced to the procedure of selecting and adjusting an item using the OSD system. Listed below are the icons, icon names, and icon descriptions of the all items shown on the Menu.

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





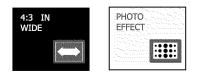


Main menu	Sub menu	Description
TRACKING		
TRACKING	HORIZONTAL	To move image left and right.
HORIZONITAL         50           With Column 1         10           With Column 1         10	VERTICAL	To move image up and down.
TRACKING	CLOCK	To minimize any vertical bars or stripes visible on the screen background. The horizontal screen size will also change.
• MENU : Exit	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.
<ul> <li>Y : Decrease</li> <li>A : Increase</li> <li>SET : Select another sub-ment</li> </ul>	SHARPNESS u	To adjust the clearness of the screen.

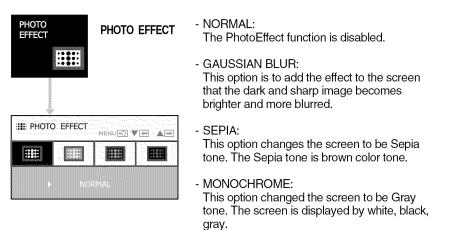
Main menu	Sub menu	Description
SETUP SETUP	LANGUAGE	To choose the language in which the control names are displayed.
SETUP	OSD POSITION	To adjust position of the OSD window on the screen.
SETUP MICRO CONTACTOR STORE	WHITE BALANCE	If the output of the video card is different the required specifications, 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.
<ul> <li>MENU : Exit</li> <li>Y : Adjust</li> <li>A : Adjust</li> <li>SET : Select another sub-mer</li> </ul>	POWER INDICATOR	Use this function to set the power indicator on the front side of the monitor to <b>ON</b> or <b>OFF</b> . If you set <b>OFF</b> , it will go off. If you set <b>ON</b> at any time, the power indicator will automatically be turned on.
	FACTORY RESET	Restore all factory default settings except "LANGUAGE." Press the V, A buttons to reset immediately

If this does not improve the screen image, restore the factory default settings. If necessary, perform the white balance function again. This function will be enabled only when the input signal is an analog signal.

■ The OSD screen will appear when you touch the FUO button on the right bottom of the monitor.



Main menu	Sub menu	Description
4:3 IN WIDE	4:3 IN WIDE	To select the image size of the screen.
$\longleftrightarrow$		
		WIDE 4:3
		<ul> <li>WIDE: Switch to full screen mode according to input image signal.</li> <li>4:3: Change the image signal ratio into 4:3.</li> </ul>
		• 4 : 3: Change the image signal ratio into 4:3.



The OSD screen will appear when you touch the *f*-ENGINE button on the right bottom of the monitor.

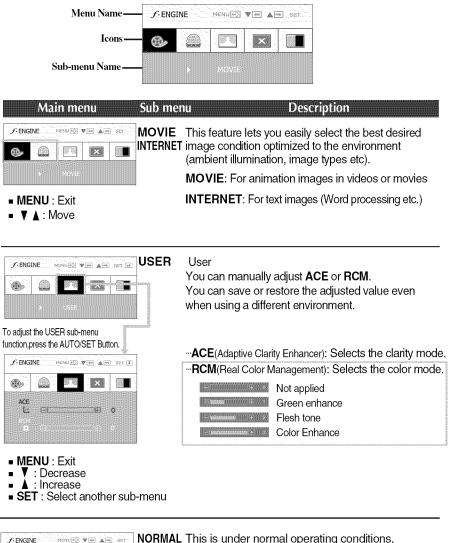


 Image: Sensine in the sensitive of the sens

shops. It's setting is same with Movie mode and screen is divided by half.

#### Check the following before calling for service.

No image appears	
Is the power cord of the display connected?	<ul> <li>Check and see if the power cord is connected properly to the power outlet.</li> </ul>
Is the power indicator light on?	• Press the Power button.
Is the power indicator flickering?	<ul> <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>
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?	<ul> <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?			
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 <b>MENU</b> button for several seconds: the message " <b>OSD UNLOCKED</b> " will appear.		

Display image is incorrect		
Display Position is incorrect.	<ul> <li>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.</li> </ul>	
On the screen background, vertical bars or stripes are visible.	• Press the <b>AUTO/SET</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.	
Any horizontal noise appearing in any image or characters are not clearly portrayed.	<ul> <li>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.</li> <li>Check Control Panel&gt; Display&gt; 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).</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			
The screen color is mono or abnormal.	<ul> <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 Control Panel -Settings .</li> </ul>		
The screen blinks.	• Check if the screen is set to interlace mode and if yes,change it to the recommend resolution.		

Have you installed the display driver?			
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.		
Do you see an "Unrecognized monitor, Plug&Play (VESA DDC) monitor found" message?	• Make sure to check if the video card supports Plug&Play function.		

Specifications

Display	20.0 inches (50.8 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 50.8 cm 0.2766*0.2766 mm pixel pitch			
Sync Input	Horizontal Freq. Vertical Freq. Input Form	Digital : 30 - 8 56 - 75 Hz (Au	Positive/Negative	
Video Input	Signal Input	15 pin D-Sub ( DVI - D connec	Connector	
Resolution	Max	Analog : VESA Digital : VESA	A 1600 x 900 @60 Hz A 1600 x 900 @60 Hz	
Plug&Play	Recommend VESA 1600 x 900 @ 60 Hz DDC 2B (Digital), DDC 2AB (Analog)			
Power Consumption	On Mode Sleep Mode Off Mode	: 38 W(Typ ≤ 1 W ≤ 1 W		
Dimensions &Weight	Height 37.68 cm	Stand / 19.04 inches / 14.83 inches / 7.20 inches 3.4 kg (7.56 lbs	Without Stand 48.36 cm / 19.04 inches 31.40 cm / 12.36 inches 6.30 cm / 2.48 inches	
Tilt Range	Tilt	-5'~15'	0)	
Power Input	AC 100-240V~ 50/60Hz 1.0 A			
Environmental Conditions	tions Temperature 10°C Humidity 10 %		non-Condensing	
	Storage Condition Temperature Humidity	-20°C to 60 °C	on-Condensing	
Stand Base	Attached( ), Det	ached(O)		
Power cord	Wall-outlet type			

#### NOTE

Information in this document is subject to change without notice.

Specifications

Display	21.5 inches (54.6 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 54.6 cm 0.248*0.248 mm pixel pitch		
Sync Input	Horizontal Freq.	Digital : 30 - 8 56 - 75 Hz (Au	·
	Input Form	Separate TTL, SOG (Sync Or Digital (HDCP)	
Video Input	Signal Input	15 pin D-Sub ( DVI - D connec	ctor (Digital)
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm), Digi	
Resolution	Max	Digital : VESA	A 1920 x 1080 @ 60 Hz A 1920 x 1080 @ 60 Hz
	Recommend	VESA 1920 x	
Plug&Play	DDC 2B (Digital),	DDC 2AB (Analo	og)
Power Consumption	On Mode Sleep Mode Off Mode	: 40 W(Typ ≤ 1 W ≤ 1 W	).)
Dimensions	With S	Stand	Without Stand
&Weight	Width 51.64 cm	/ 20.33 inches	51.64 cm / 20.33 inches
Ū	0	/ 15.59 inches /    7.80 inches	33.27 cm / 13.10 inches 6.20 cm / 2.44 inches
	Net 3.8 kg (8.49 lbs		s)
Tilt Range	Tilt -5°~15°		
Power Input	AC 100-240V~ 50/60Hz 1.0A		
Environmental Conditions	Operating Condition Temperature Humidity	ons 10°C to 35 °C 10 % to 80 % non-Condensing	
	Storage Condition Temperature Humidity	s -20°C to 60 °C 5 % to 90 % no	on-Condensing
Stand Base	Attached( ), Det	ached(O)	
Power cord	Wall-outlet type		

#### NOTE

Information in this document is subject to change without notice.

2

Specifications

Display	23 inches (58.4 cm) Flat Panel Active matrix-TFT LCD Anti-Glare coating Visible diagonal size: 58.4 cm 0.266*0.266 mm pixel pitch		
Sync Input	Horizontal Freq. Vertical Freq. Input Form	Digital : 30 - 8 56 - 75 Hz (Au	Positive/Negative
Video Input	Signal Input	Digital (HDCP) 15 pin D-Sub ( DVI - D connec	Connector
Resolution	Max Recommend	Analog : VESA Digital : VESA	A 1920 x 1080 @60 Hz A 1920 x 1080 @60 Hz
Plug&Play	Recommend VESA 1920 x 1080 @ 60 Hz DDC 2B (Digital), DDC 2AB (Analog)		
Power Consumption	On Mode Sleep Mode Off Mode	: 42 W(Typ ≤ 1 W ≤ 1 W	
Dimensions &Weight	Height 41.85 cm	Stand / 21.86 inches / 16.48 inches / 7.80 inches	Without Stand 55.52 cm / 21.86 inches 35.77 cm / 14.08 inches 6.30 cm / 2.48 inches
Tilt Range Power Input	Net Tilt AC 100-240V~ 50/	4.4 kg (9.82 lb -5´~15´	
Environmental Conditions	•		non-Condensing
	Storage Conditions Temperature Humidity	-20°C to 60 °C	on-Condensing
Stand Base Power cord	Attached( ), Det Wall-outlet type	ached ( O )	

#### NOTE

Information in this document is subject to change without notice.

# Preset Modes (Resolution)

W2043T

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

\* Recommend Mode

#### W2243T/W2343T

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

\* Recommend Mode

### Indicator

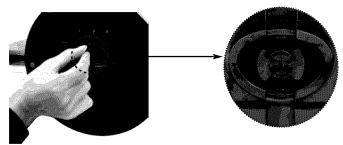
MODE	LED Color
On Mode	Red
Sleep Mode	Flicker
Off Mode	Off

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

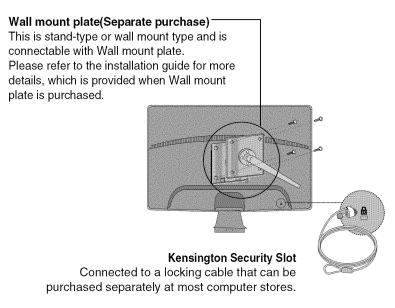
1. Place the monitor with its front facing downward on a soft cloth.



2. Change your lock on the product as it follows and turn it in the arrow direction.



3. Install the Wall mount plate.



# Digitally yours •••••

