LG
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ENGLISH

OWNER'S MANUAL

LED LCD MONITOR

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

LED LCD MONITOR MODEL
16M35A

www.lg.com

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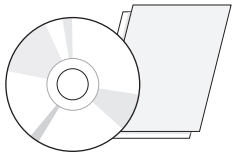
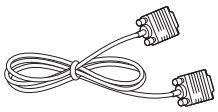
ASSEMBLING AND PREPARING

Unpacking

Check your product box for the following items. If there are any missing accessories, contact the local dealer where you purchased your product. The illustrations in this manual may differ from the actual product and accessories.

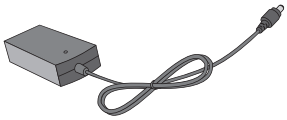


CD(Owner's Manual) / Card



D-SUB Cable

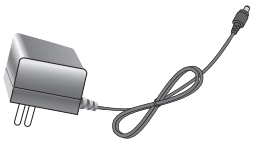
Power Cord



AC-DC Adapter

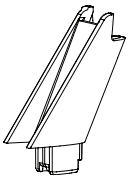
(Depending on the country)

or

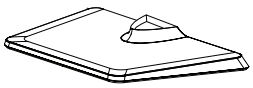


AC-DC Adapter

(Depending on the country)



Stand Body



Stand Base

CAUTION

- Do not use any unapproved accessories to ensure the safety and product life span.
- Any damages or injuries by using unapproved accessories are not covered by the warranty.

NOTE

- The accessories supplied with your product may vary depending on the model.
- Product specifications or contents in this manual may be changed without prior notice due to upgrade of product functions.

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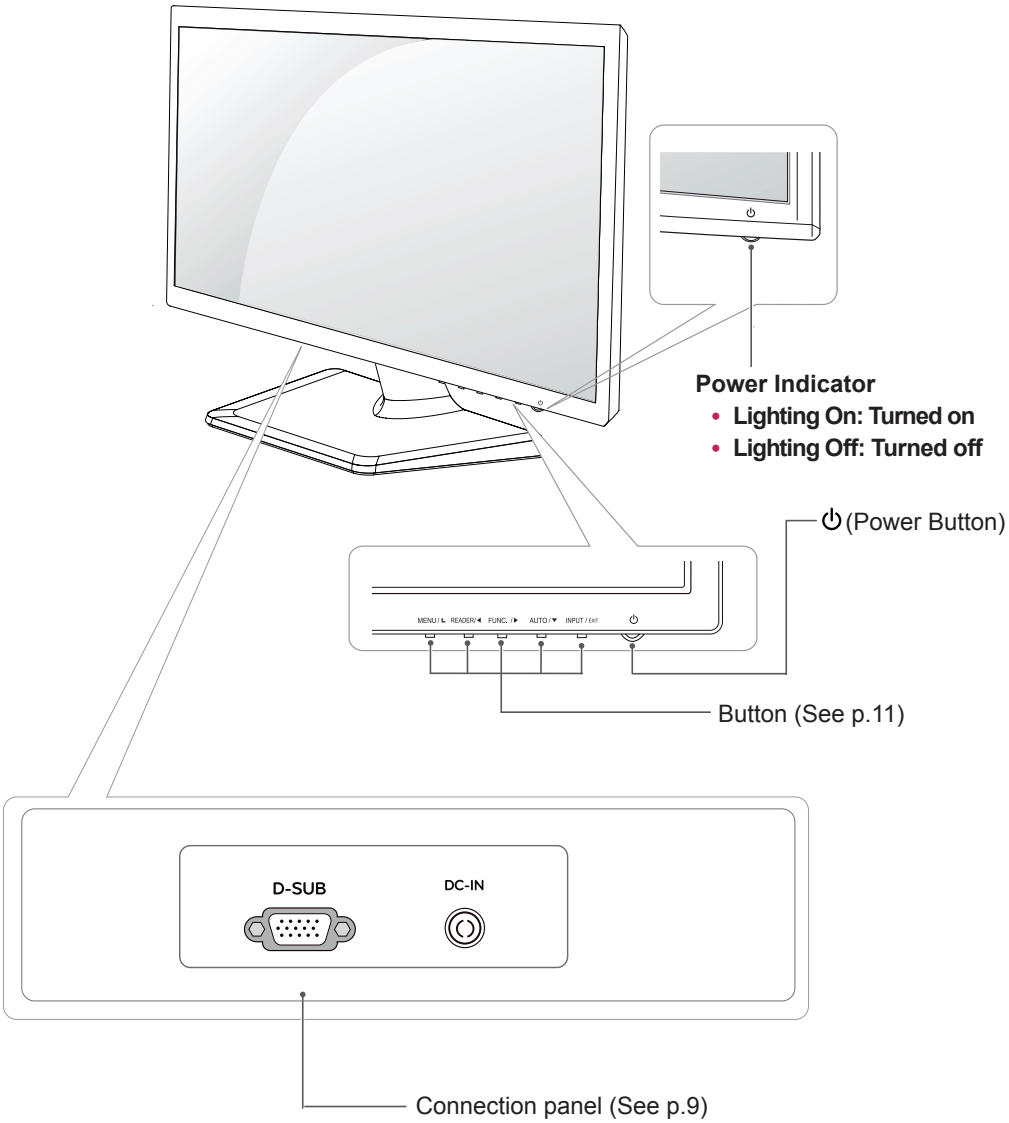
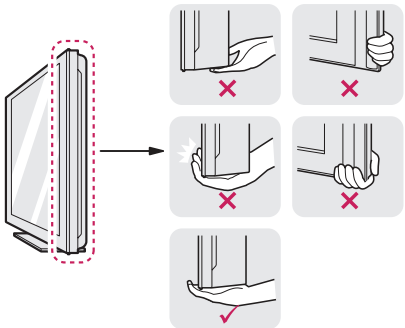
Parts and buttons



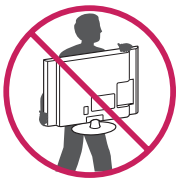
Moving and Lifting the Monitor

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

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



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



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

CAUTION

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

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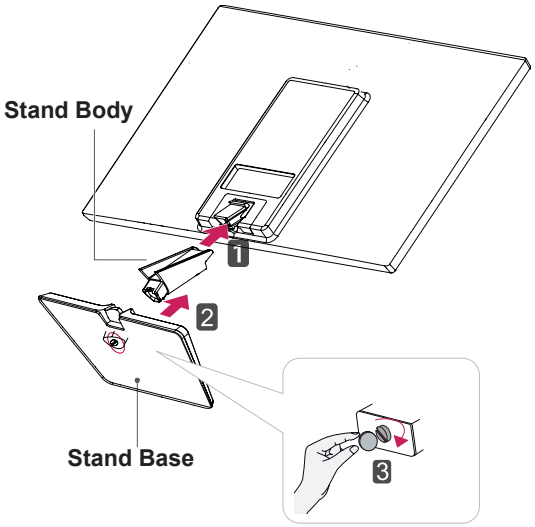
Setting up the Monitor set

Attaching the Stand Base

1 Place the Monitor set with the screen side down on a flat and cushioned surface.

> **CAUTION**
> Lay a foam mat or soft protective cloth on the surface to protect the screen from damage.

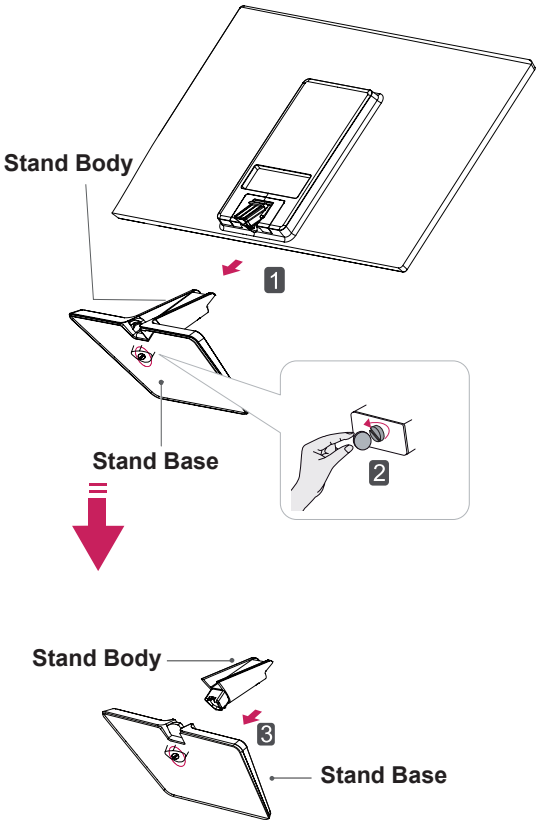
2 1 Attach the **Stand Body** to the monitor set.
2 Attach the **Stand Base**.
3 Tighten the screw to the right with a coin.



Detaching the Stand Base

1 Place the Monitor set with the screen side down on a flat and cushioned surface.

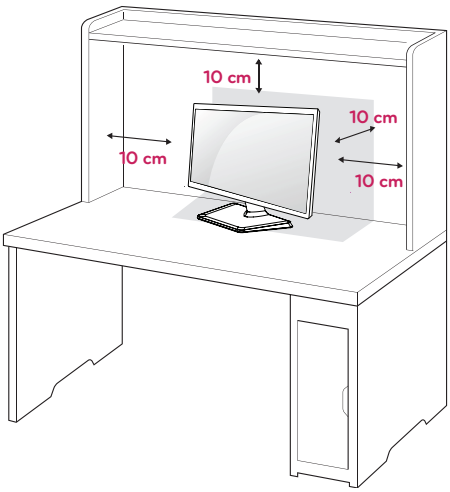
2 1 Pull out the **Stand Body** and **Stand Base** from the monitor set.
2 Turn the screw to the left with a coin.
3 Pull out the **Stand Base**.



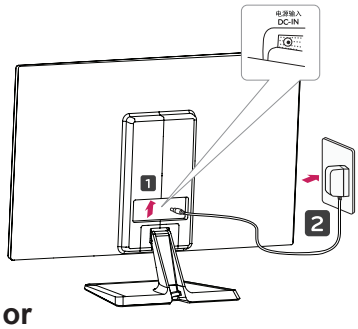
Mounting on a table

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

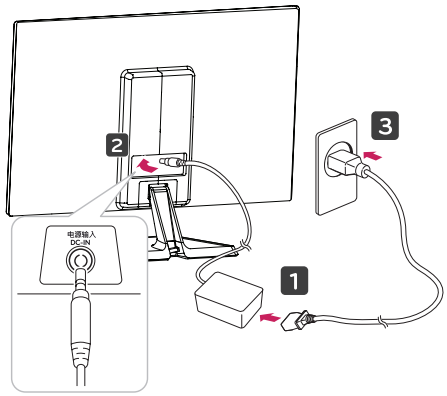
Leave a 10 cm (minimum) space from the wall for proper ventilation.



2 Connect the AC-DC Adapter and Power Cord to a wall outlet.



or

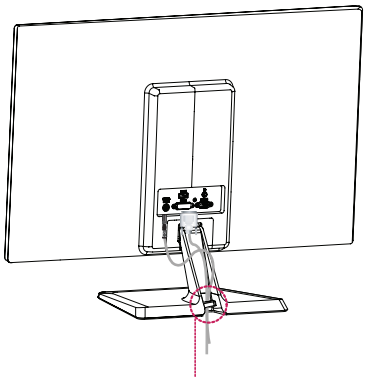


3 Press ⏻(Power) button on the bottom switch panel to turn the power on.

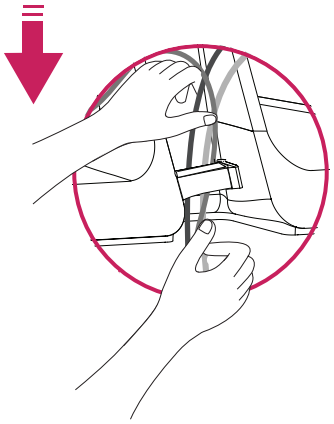
CAUTION

Unplug the power cord before moving the Monitor to another location. Otherwise electric shock may occur.

Using the cable holder



Cable holder



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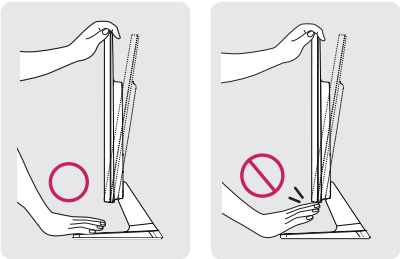
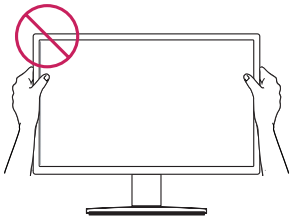
WARNING

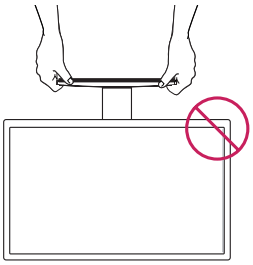
When you adjust the angle, do not hold the bottom of the Monitor set frame as shown on the following illustration, as may injure your fingers.



Do not touch or press the screen when adjusting the angle of the monitor.

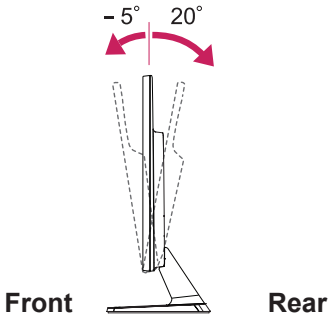


Do not hold this set like below picture.Monitor screen can detach from stand base and injure your body.



NOTE

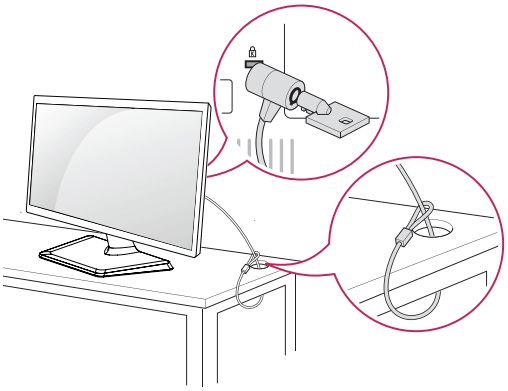
Tilt from +20 to -5 degrees up or down to adjust the angle of the Monitor set to suit your view.



Using the Kensington security system

The Kensington security system connector is located at the back of the Monitor set. For more information of installation and using, refer to the manual supplied with the Kensington security system or visit *http://www.kensington.com*.

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



NOTE

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

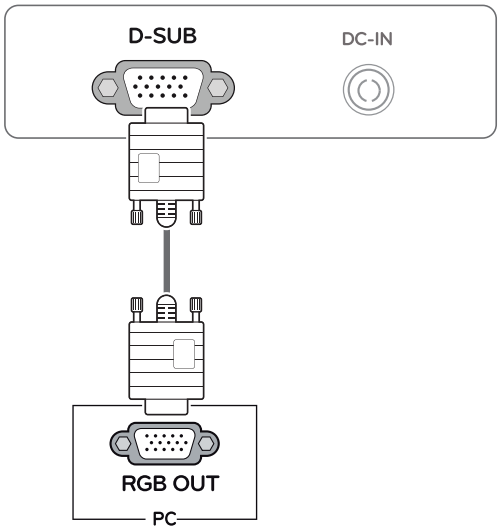
USING THE MONITOR SET

Connecting to a PC

- Your Monitor set supports Plug & Play*.
  *Plug & Play: A PC recognizes a connected device that users connect to a PC and turn on, without device configuration or user intervention.

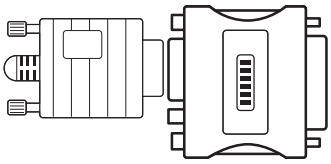
D-SUB connection

Transmits analog video from your PC to the Monitor set. Connect the PC and the Monitor set with the supplied D-sub 15 pin signal cable as shown in the following illustrations.



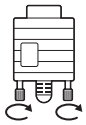
NOTE

- When using a D-Sub signal input cable connector for Macintosh



- **Mac adapter**
  For Apple Macintosh use, a separate plug adapter is needed to change the 15 pin high density (3 row) D-SUB VGA connector on the supplied cable to a 15 pin 2 row connector.

CAUTION



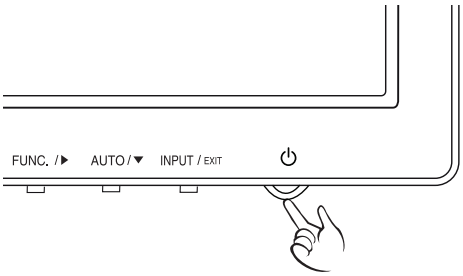
- Connect the signal input cable and tighten it by turning the screws clockwise.
- Do not press the screen with your finger for a long time as this may result in temporary distortion on the screen.
- Avoid displaying a fixed image on the screen for a long period of time to prevent image burn. Use a screensaver if possible.

NOTE

- If you turn the Monitor set on while it is cold, the screen may flicker. This is normal.
- Some red, green, or blue spots may appear on the screen. This is normal.

Self Image Setting Function

Press the power button on the bottom panel to turn the power on. When monitor power is turned on, the "**Self Image Setting**" Function is executed automatically. (Only supported in Analog Mode)



NOTE

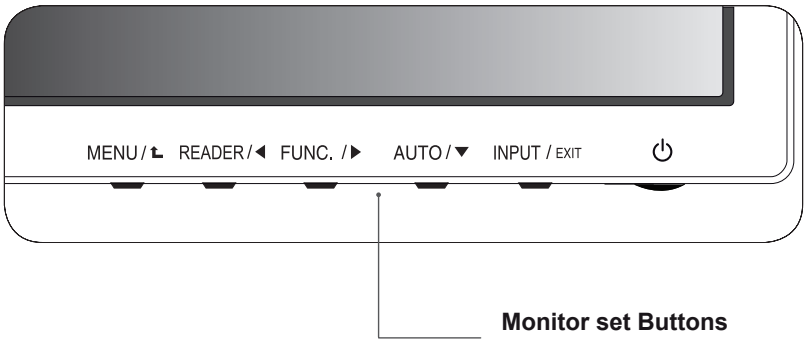
- **"Self Image Setting" Function.**
  This function provides the user with optimal display settings.When the user connects the monitor for the first time, this function automatically adjusts the display to optimal settings for individual input signals.(Only supported in Analog Mode)
- **'AUTO' Function.**
  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 function button to improve resolution. (Only supported in Analog Mode)

CUSTOMIZING SETTINGS

1 Press the desired button on the bottom of the Monitor set.

2 Change the value of the menu item by pressing the buttons on the bottom of the Monitor set.
To return to the upper menu or set other menu items, use the up arrow (⮅) button.

3 Select **EXIT** to leave the OSD menu.



Button	Description	
MENU / ⮅	Accesses the main menus.(See p.12)	
	OSD Locked/OSD Unlocked	This function allow you to lock the current control settings, so that they cannot be inadvertently changed. Press and hold the MENU button for several seconds. Then OSD of “OSD Lock” will appear. After that, user can select lock or unlock by pressing left/right button. If user selects the “Lock” icon by pressing the “OK” button, the message “OSD Locked” will appear. Otherwise, “OSD Unlocked” will appear. After selecting the “Lock”, If you want to change to Unlock, you can push the “MENU” button for several seconds. The message “OSD Unlocked” will appear.
READER / ◀	Use this button to enter Reader Mode menu. Its function works to display screen as paper-like picture for Eye comfort.If you want to more information(See p.17)	
FUNC. / ▶	Use this button to enter SUPER ENERGY SAVING, Picture Mode, DUAL DISPLAY, DUAL WEB menus.(See p.18)	
AUTO / ▼	When adjusting your display settings, always press the AUTO button on the MONITOR SETUP OSD. (Only supported in Analog Mode)	
	The best display mode	1366 x 768
INPUT / EXIT	**EXIT**	
	EXIT the OSD(On Screen Display).	
⏻ (Power Button)	Turns the power on or off.	
	Power Indicator	The power indicator stays white if the display is running properly (On Mode). If the display is in Sleep Mode, the power indicator blinks white.

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Customizing Settings

Menu Settings

1 Press **MENU** button on the bottom of the Monitor set to display the **Menu** OSD.

2 Set the options by pressing the ◄ or ► or ▼ buttons.

3 Select the "**Next Menu**" button to enter the more option settings.

4 Select **EXIT** to leave the OSD menu.
To return to the upper menu or set other menu items, use the up arrow (⮝) button.

Each option is explained below.

Menu	Description
Brightness	To adjust the brightness, contrast of the screen
Contrast	
Wide/Original	**Wide**
	Switch to full screen mode according to input image signal.
	Original
	Change the input image signal ratio to original. * This function works only if input resolution is lower than Monitor set ratio (16:9).
Reset	Restore all factory default settings. Press the ◄ , ► buttons to reset immediately.

Menu > Next Menu		Description
Picture	**Sharpness**	To adjust the clearness of the screen .
Color	**Gamma**	To customize the color of the screen
	Color Temp	
Display	**Horizontal**	To adjust the position of the screen
	Vertical	
	Clock	To improve the clarity and stability of the screen
	Phase	
Others	**Language**	To customize the screen status for a user's operating environment
	Power Indicator	

Picture

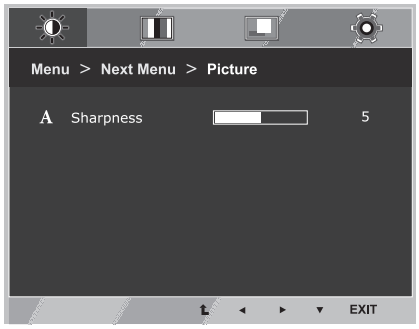
1 Press **MENU** button on the bottom of the Monitor set to display the **Menu** OSD.

2 Select the "**Next Menu**" button to enter the more option settings.

3 Enter to **Picture** by pressing the ▼ button.

4 Set the options by pressing the ◄ or ► or ▼ buttons.

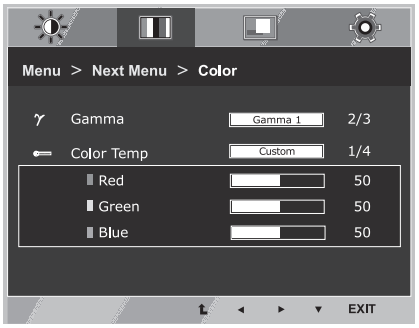
5 Select **EXIT** to leave the OSD menu.
To return to the upper menu or set other menu items, use the up arrow (⮅) button.



Each option is explained below.

Menu > Next Menu > Picture	Description
Sharpness	To adjust the clearness of the screen.

Color



1 Press **MENU** button on the bottom of the Monitor set to display the **Menu** OSD.

2 Select the "**Next Menu**" button to enter the more option settings.

3 Select **Color** by pressing the ► button.

4 Enter to **Color** by pressing the ▼ button.

5 Set the options by pressing the ◄ or ► or ▼ buttons.

6 Select **EXIT** to leave the OSD menu.
To return to the upper menu or set other menu items, use the up arrow (⮝) button.

Each option is explained below.

Menu > Next Menu > Color	Description
Gamma	Set your own gamma value. : Gamma 0, Gamma 1, Gamma 2 on the monitor, high gamma values display whitish images and low gamma values display blackish images.
Color Temp	**Custom**
	• **Red:**Set your own red color levels. • **Green:** Set your own green color levels. • **Blue:**Set your own blue color levels.
	Select the screen color. **Warm:** Set the screen to warm color temperature (more red). **Medium:** Set the screen to medium color temperature. **Cool:** Set the screen to cool color temperature (more blue).

Display

1 Press **MENU** button on the bottom of the Monitor set to display the **Menu** OSD.

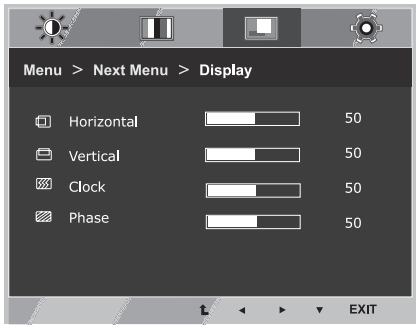
2 Select the "**Next Menu**" button to enter the more option settings.

3 Select **Display** by pressing the ► button.

4 Enter to **Display** by pressing the ▼ button.

5 Set the options by pressing the ◄ or ► or ▼ buttons.

6 Select **EXIT** to leave the OSD menu.
To return to the upper menu or set other menu items, use the up arrow (⮅) button.



Each option is explained below.

Menu > Next Menu > Display	Description
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.

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Others

1 Press **MENU** button on the bottom of the Monitor set to display the **Menu** OSD.

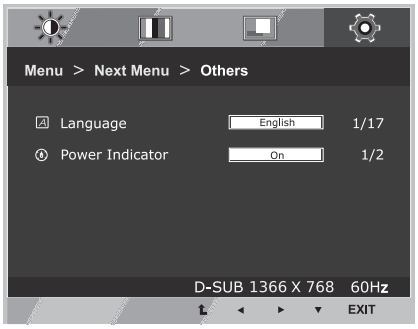
2 Select the "**Next Menu**" button to enter the more option settings.

3 Select **Others** by pressing the ► button.

4 Enter to **Others** by pressing the ▼ button.

5 Set the options by pressing the ◄ or ► or ▼ buttons.

6 Select **EXIT** to leave the OSD menu.
To return to the upper menu or set other menu items, use the up arrow (⮅) button.



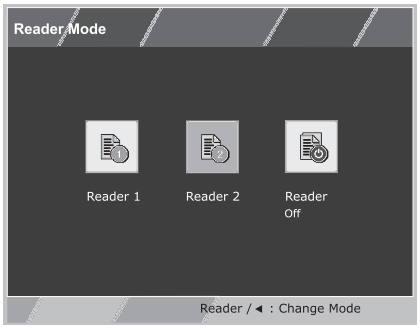
Each option is explained below.

Menu > Next Menu > Others	Description
Language	To choose the language in which the control names are displayed.
Power Indicator	Use this function to set the power indicator on the bottom 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.

READER Setting

1 Press **READER** button on the bottom of the Monitor set to display the **Reader Mode** OSD.

2 Set the options by pressing the ◀ buttons.



Each option is explained below.

Reader Mode	Description
Reader 1	It is a mode that the screen is adjusted to the best for the newspaper. If you want screen more bright, you can control brightness in Menu OSD.
Reader 2	It is a mode that the screen is adjusted to the best for the cartoon. If you want screen more bright, you can control brightness in Menu OSD.
Reader Off	It is a mode that reader mode is off.

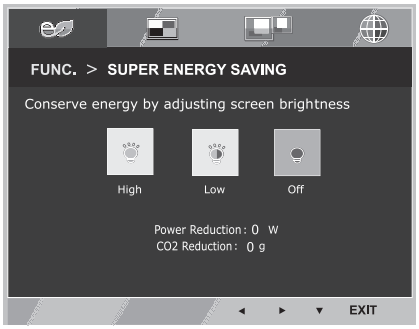
NOTE

If option of Reader Mode is Reader 1 or Reader 2, Picture Mode will automatically be Custom and Super Energy Saving will automatically be Off.

ENGLISH

FUNC. Setting

SUPER ENERGY SAVING



1 Press **FUNC.** button on the bottom of the Monitor set to display the **FUNC.** OSD.

2 Enter to **SUPER ENERGY SAVING** by pressing the ▼ button.

3 Set the options by pressing the ◄ or ► or ▼buttons.

4 Select **EXIT** to leave the OSD menu.To return to the upper menu or set other menu items, use the up arrow (🡅) button.

Each option is explained below.

SUPER ENERGY SAVING	Description
High	Enables SUPER ENERGY SAVING you can save energy with this energy- high efficient function.
Low	Enables SUPER ENERGY SAVING you can save energy with this energy- low efficient function.
Off	Disables SUPER ENERGY SAVING.

NOTE

- **TOTAL POWER REDUCTION**: How much power is saved while using the monitor.
- **TOTAL CO2 REDUCTION**: Change the TOTAL POWER REDUCTION to CO2.
- **SAVING DATA(W/h)**

	396 mm (15.6 inch)
SUPER SAVING(High)	1.0 W/h
SUPER SAVING(Low)	0.6 W/h

- Saving Data depends on the Panel. So,those values should be different from each panel and panel vendor.If option of Super Energy Saving is High or Low, monitor luminance become higher or lower depend on source.
- LG calculated these values by using **“broadcast video signal”** (including broadcast video: IEC 62087)
- SUPER SAVING refers to how much power can be saved using the SUPER ENERGY SAVING function.
- If option of Super Energy Saving is High or Low, Picture Mode will automatically be Custom and Reader Mode will automatically be Reader Off.

Picture Mode

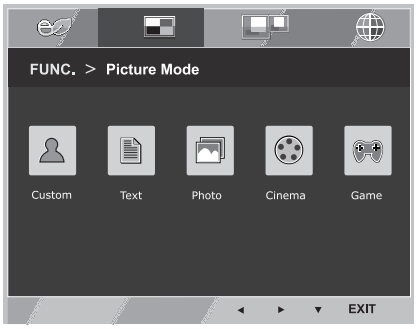
1 Press **FUNC.** button on the bottom of the Monitor set to display the **FUNC.** OSD.

2 Select **Picture Mode** by pressing the ► button.

3 Enter to **Picture Mode** by pressing the ▼ button.

4 Set the options by pressing the ◄ or ► buttons.

5 Select **EXIT** to leave the OSD menu.To return to the upper menu or set other menu items, use the up arrow(⮅)button.



Each option is explained below.

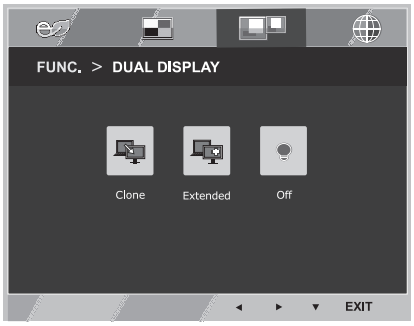
Picture Mode	Description
Custom	It is a mode that the user can adjust each element. It can adjust the color mode of the Main Menu.
Text	It is a mode that the screen is adjusted to the best for the textworks.
Photo	It is a mode that the screen is adjusted to the best to view pictures.
Cinema	It is a mode that the screen is adjusted to the best to view the videos.
Game	It is a mode that the screen is adjusted to the best to play a game.

NOTE

If option of Picture Mode is non-Custom , Reader Mode will automatically be Reader Off and Super Energy Saving will automatically be Off.

* Before using below functions, please install DUAL SMART SOLUTION programme.

DUAL DISPLAY



1 Press **FUNC.** button on the bottom of the Monitor set to display the **FUNC.** OSD.

2 Select **DUAL DISPLAY** by pressing the ► button.

3 Enter to **DUAL DISPLAY** by pressing the ▼ button.

4 Set the options by pressing the ◄ or ► buttons.

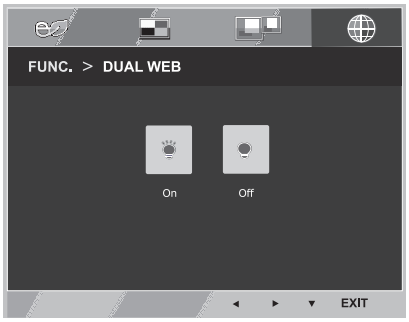
5 Select **EXIT** to leave the OSD menu.To return to the upper menu or set other menu items, use the up arrow (⮝) button.

Each option is explained below.

DUAL DISPLAY	Description
Clone	By selecting Clone,user can use secondary monitor as done mode of primary monitor.
Extended	By selecting Extended,user can use secondary monitor as extended mode of primary monitor.
Off	If select Off,DUAL DISPLAY is off.

* Before using below functions, please install DUAL SMART SOLUTION programme.

DUAL WEB



1 Press **FUNC.** button on the bottom of the Monitor set to display the **FUNC.** OSD.

2 Select **DUAL WEB** by pressing the ► button.

3 Enter to **DUAL WEB** by pressing the ▼ button.

4 Set the options by pressing the ◄ or ► buttons.

5 Select **EXIT** to leave the OSD menu.To return to the upper menu or set other menu items, use the up arrow (⮝) button.

Each option is explained below.

DUAL WEB	Description
On	Help user to browse web efficiently by dividing in half. Help to arrange and move windowson screen. Help user to control dividedwindows ratio.
Off	If select Off,DUAL WEB is off.

NOTE

- When monitor goes to power saving mode with pc saving option-> Pressing any button -> OSD appear and user should press dual button -> User can bring back to normal mode.

TROUBLESHOOTING

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 flickering?	• 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 "NO SIGNAL" message on the screen?	• When the monitor is on "No-Signal" in 5 minutes, the monitor goes to DPM mode.

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** button to automatically adjust your display image to the ideal setting.
On the screen background, vertical bars or stripes are visible.	• Press the **AUTO** button to automatically adjust your display image to the ideal setting.
Any horizontal noise appearing in any image or characters are not clearly portrayed.	• Press the **AUTO** button to automatically adjust your display image to the ideal setting. • 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).

CAUTION

- 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.lg.com. • Make sure to check if the video card supports Plug&Play function.

Dual Smart Solution don't work in set.	
"Dual Smart Solution" sometimes displays "Cannot be used installation dual smart solution will enable this menu" in set.	• Please check the Dual Smart Solution is normally installed or not. • If you use the input port which is auxiliary port in VGA, use the main port in VGA because the auxiliary port sometimes can't make communication with PC.

SPECIFICATIONS

16M35A

Display	**Screen Type**	39.6 cm (15.6 inch) Flat Panel Active matrix-TFT LCDAnti-Glare coating Visible diagonal size: 39.6 cm
	Pixel Pitch	0.3 mm x 0.3 mm (Pixel Pitch)
Sync Input	**Horizontal Frequency**	30 kHz to 53 kHz (Automatic)
	Vertical Frequency	56 Hz to 63 Hz (D-SUB)
	Input Form	Separate Sync.
Video Input	**Signal Input**	15 pin D-SUB Connector
	Input Form	RGB Analog (0.7 Vp-p/ 75 ohm)
Resolution	**Max**	D-SUB(Analog) : 1366 x 768 @ 60 Hz
	Recommend	VESA 1366 x 768 @ 60 Hz
Plug & Play	DDC 2B(Analog)	
Power Consumption	On Mode : 7 W(Typ.) Sleep Mode ≤ 0.3 W Off Mode ≤ 0.3 W	
Power Input	19 V ⎓ 1.2 A	
AC-DC Adapter	Type ADS-40SG-19-3 19025G, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPG-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPBR-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPI-1,manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPCU-1, manufactured by SHENZHEN HONOR ELECTRONIC or Type ADS-40FSG-19 19025GPB-2, manufactured by SHENZHEN HONOR ELECTRONIC or Type LCAP21, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-A, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-E, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-I, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type LCAP26-B, manufactured by LIEN CHANG ELECTRONIC ENTERPRISE or Type PSAB-L203A, manufactured by LG Innotek Co.,Ltd or Type PSAB-L202B, manufactured by LG Innotek Co.,Ltd or Type PSAB-L202C, manufactured by LG Innotek Co.,Ltd or Type PSAB-L202D, manufactured by LG Innotek Co.,Ltd	
	OUTPUT: 19 V ⎓ 1.3 A	
Dimensions (Width x Height x Depth)	**With Stand**	37.5 cm x 31.0 cm x 16.8 cm
	Without Stand	37.5 cm x 23.9 cm x 6 cm
Weight	1.2 kg	
Tilt Range	-5° to 20°	
Environmental conditions	**Operating Temperature** **Operating Humidity**	10°C to 35 °C 10 % to 80 %
	Storage Temperature **Storage Humidity**	-20°C to 60 °C 5 % to 90 % non-Condensing
Stand Base	Attached ( ), Detached (O)	
Power cord	Wall-outlet type	

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

Preset Modes (Resolution)

16M35A

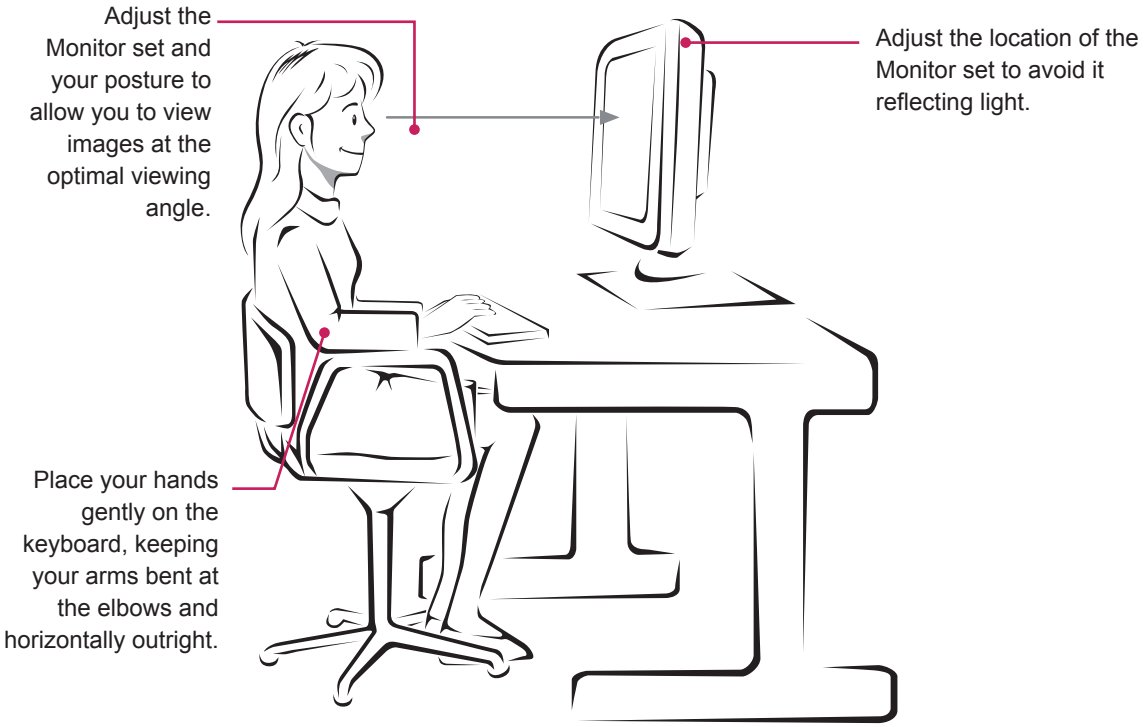
Display Modes (Resolution)	Horizontal Frequency(kHz)	Vertical Frequency(Hz)	Polarity(H/V)	
640 x 480	31.5	60	-/-	
800 x 600	35.2	56	+/+	
800 x 600	37.9	60	+/+	
1024 x 768	48.363	60	+/+	
1280 x 720	45	60	+/+	
1366 x 768	48	60	+/+	Recommend Mode

Indicator

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

PROPER POSTURE

Proper posture for using the Monitor set.



Declaration of Conformity

Trade Name: LG

Model : 16M35AA

Responsible Party: LG Electronics Inc.

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

TEL: 201-266-2534

*above information is only for USA FCC Regulatory

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 and one side of the SET.
Record it below should you ever need service.

MODEL _____

SERIAL _____