



# LCD MONITOR

## quick start guide

225UN

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The color and appearance of the product may vary depending on the model, and the product specifications are subject to change without prior notice for reasons of performance enhancement.

- Safety Precautions
- Introduction
- Connections
- Using the Software
- Adjusting the Monitor
- Troubleshooting
- Specifications
- Information

○ Introduction

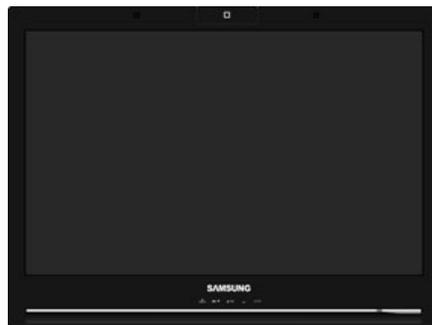
Package Contents    Your Monitor

▣ Package Contents

Please make sure the following items are included with your monitor.  
If any items are missing, [contact your dealer](#).  
[Contact a local dealer](#) to buy optional items.

▶ Unpacking

▶ Without Stand



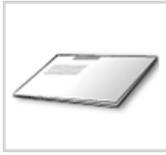
Monitor

▶ With Stand



Monitor & Simple stand

▶ Manual



Quick Setup Guide



Warranty Card  
(Not available in all locations)



User's Guide, Monitor Driver,  
Natural Color,  
MagicTune™

▶ Cable



Power Cord



RGB-IN Cable



USB Cable

▶ Others

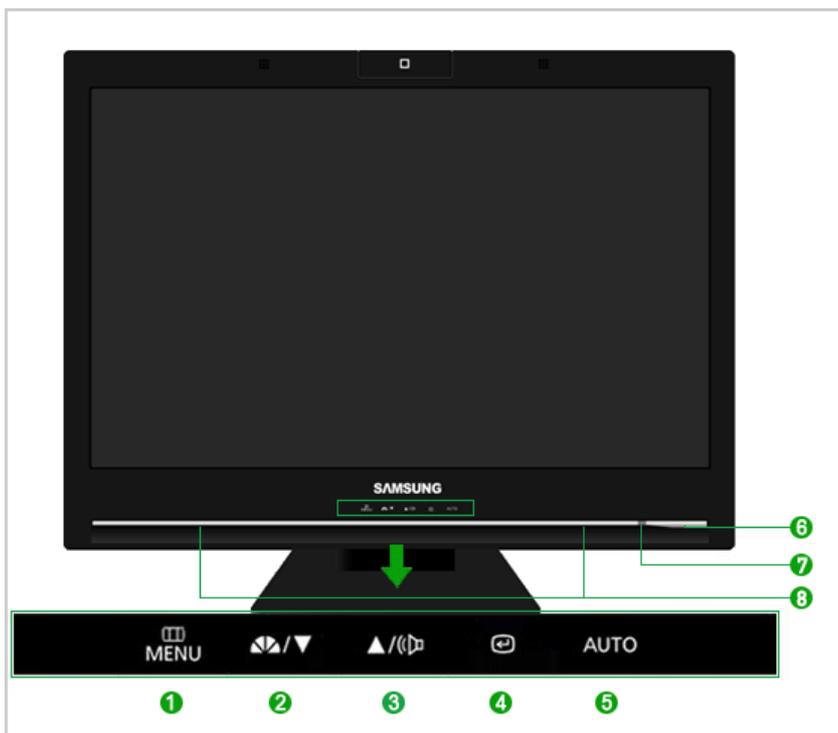


Cleaning Cloth

※ Will be applied to black and high gloss models only.

▶ Your Monitor

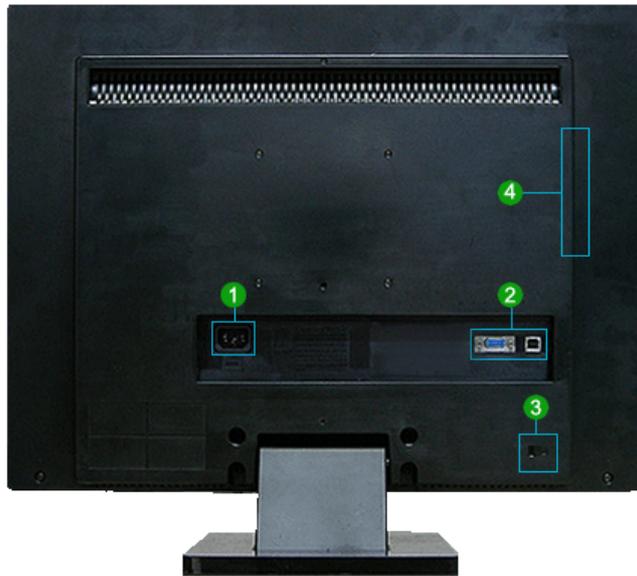
▶ Front



- 1 MENU button  Opens the OSD menu.  
Also use to exit the OSD menu or return to the previous menu.
- 2,3 Adjust buttons  These buttons allow you to adjust items in the menu.
- 2 MagicBright™ button  MagicBright™ is a new feature providing optimum viewing environment depending on the contents of the image you are watching. Currently six different modes are available: Custom, Text, Internet, Game, Sports and Movie. Each mode has its own pre-configured brightness value. You can easily select one of six settings by simply pressing MagicBright™ control buttons.
  - 1) Custom  
Although the values are carefully chosen by our engineers, the pre-configured values may not be comfortable to your eyes depending on your taste. If this is the case, adjust the brightness and contrast by using the OSD menu.
  - 2) Text  
For documentations or works involving heavy text.
  - 3) Internet  
For working with a mixture of images such as texts and graphics.
  - 4) Game  
For watching motion pictures such as a game.
  - 5) Sports  
For watching motion pictures such as a Sports.
  - 6) Movie  
For watching motion pictures such as a DVD or Video CD.

[>> Click here to see an animation clip](#)
- 3 Volume button  When OSD is not on the screen, push the button to adjust volume.  
[>> Click here to see an animation clip](#)
- 4 Enter button  Activates a highlighted menu item.
- 5 AUTO button [AUTO] Use this button for auto adjustment.  
[>> Click here to see an animation clip](#)
- 6 Power button  Turns the monitor On/Off.
- 7 Power indicator This will enable you to see the overall power status of the system. For more information, see the [PowerSaver](#) section.
- 8 Speaker You can hear sound by connecting the soundcard of your PC to the monitor.

※ See [PowerSaver](#) described in the manual for further information regarding power saving functions. For energy conservation, turn your monitor OFF when it is not needed, or when leaving it unattended for long periods.



✗ The configuration at the back of the monitor may vary from product to product.

① POWER



- **POWER**  
: Connect the power cord for your monitor to the POWER on the back of the monitor.

② RGB-IN / USB



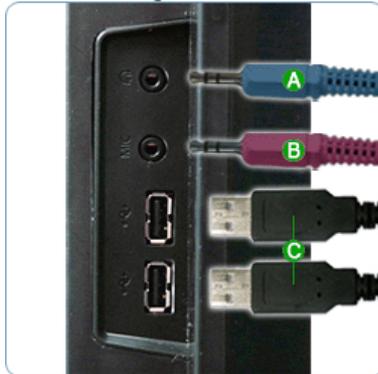
- **A RGB-IN**  
: Connect the signal cable to the 15-pin, RGB-IN port on the back of your monitor.
- **B USB**  
: Connect the USB of the monitor and the USB of the computer with the USB cable.

③ Kensington Lock

- The Kensington lock is a device used to physically fix the system when using it in a public place.  
(The locking device has to be purchased separately.)  
For using a locking device, contact where you purchase it.



4  /  / 



- A**  : Headphone output terminal
- B**  : Connect a microphone to the MIC terminal.
- C**  : Connect the  of the USB monitor and a USB device with the USB cable.

※ See [Connecting Cables](#) for further information regarding cable connections.

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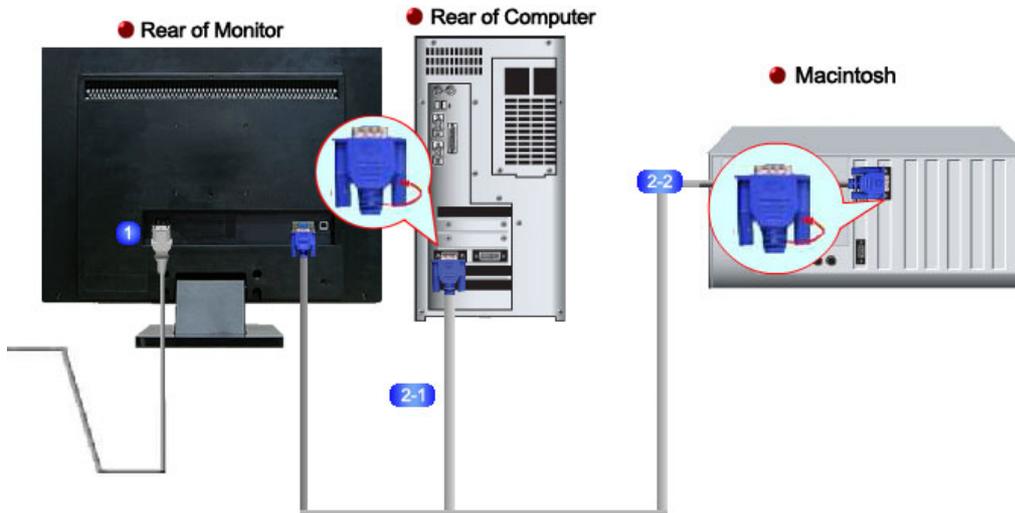
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○ Connections

Connecting Cables Using the Stand

▶ Connecting Cables

▶ Connecting to a Computer



- 1 Connect the power cord for your monitor to the power port on the back of the monitor. Plug the power cord for the monitor into a nearby outlet.
- 2 Use appropriate connection for your computer.
  - 2-1 Using the RGB-IN (Analog) connector on the video card.
    - Connect the signal cable to the 15-pin, RGB-IN port on the back of your monitor.



[ RGB-IN ]

- 2-2 Connected to a Macintosh. Connect the monitor to the Macintosh computer using the RGB-IN connection cable.

※ If the monitor and the computer are connected, you can turn them on and use them.

▶ Connecting USB



Turn on your monitor and PC. If you connect the **A** cable to the **A** connector of your monitor and the **B** cable to the **B** connector of your PC, the installation programs related to microphone and camcorder are performed automatically.

You can use a USB device such as a mouse, keyboard, Memory Stick, or external hard disk drive by connecting them to the **B** port of the monitor without connecting them to the PC.

**The USB port of the monitor supports High-Speed Certified USB 2.0.**

High speed Full speed Low speed

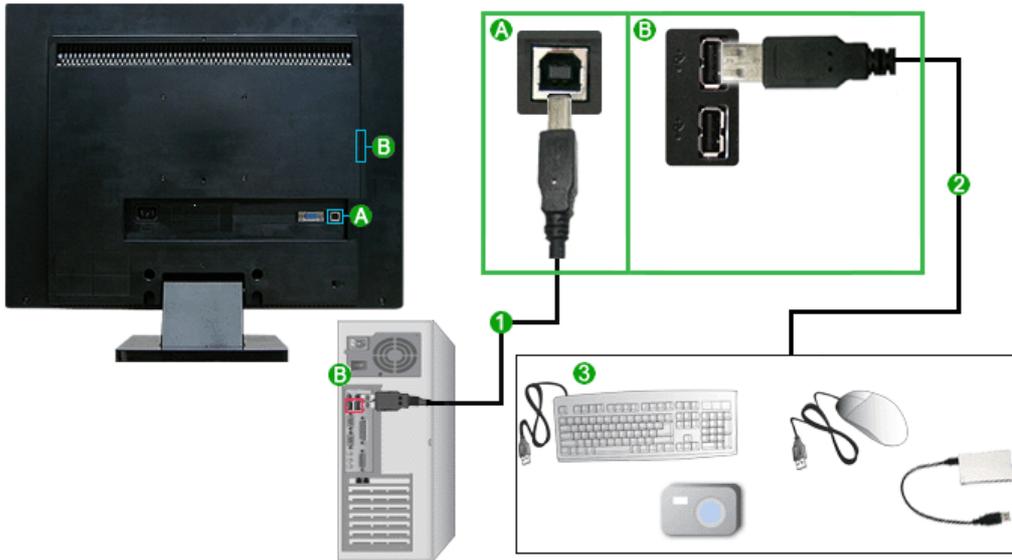


Data Rate

480 Mbps

12 Mbps

1.5 Mbps

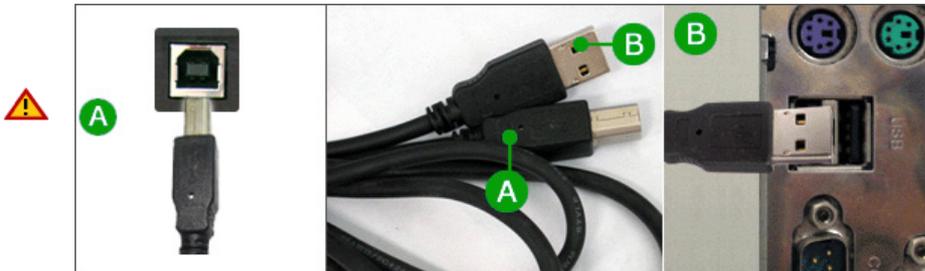


1 Connect the A port of the monitor and the USB port of the computer with the USB cable.



To use B port, you have to connect the A to the PC.

**Make sure to use the USB cable supplied with this monitor to connect the monitor's A port and your computer's USB port.**



2 Connect the B port of the USB monitor and a USB device with the USB cable.

3 The use procedures are as the same as those for using an external device connecting to the PC.

- You can connect and use a keyboard and mouse.
- You can play a file from a media device.  
(Examples of media devices: MP3, digital camera, etc.)
- You can run, move, copy or delete the files on the storage device.  
(Examples of storage devices: external memory, memory card, memory reader, HDD-type MP3 player, etc.)
- You can use other USB devices that can be connected to a computer.



- **Do not disconnect the USB cable while the installation is in progress.**  
The program may not be installed completely or may not work normally.
- **When connecting a device to the B port of the monitor, connect the device using a cable appropriate to the device.**  
(For the purchase of the cable and external devices, ask the service center of the corresponding product.)

- The company is not liable for problems or damages to an external device caused by using an unauthorized cable for the connection.
- Some products do not follow the USB standard, and it may cause a malfunction of the device.
- If the device malfunctions even if it is connected to the computer, contact the service center of the device/computer.

## ▶ Using the Stand

- ✘ This monitor supports various types of VESA-standard bases. You need to either fold or remove the base in use to install a VESA base.

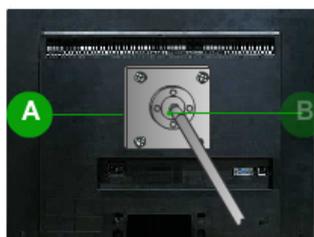
### ▶ Tilt angle

- ✘ The monitor may be reclined -3 to 22 degrees



### ▶ Attaching a Base

- ✘ This monitor accepts a 100 mm x 100 mm VESA-compliant mounting interface pad.



**A** Monitor

**B** Mounting interface pad (Sold separately)

1. Turn off your monitor and unplug its power cord.
2. Lay the LCD monitor face-down on a flat surface with a cushion beneath it to protect the screen.
3. Remove four screws and then remove the stand from the LCD monitor.
4. Align the mounting interface Pad with the holes in the rear cover mounting pad and secure it with four screws that came with the arm-type base, wall mount hanger or other base.



- Do not use screws longer than the standard dimension, as they may damage the inside of the Monitor.
- For wall mounts that do not comply with VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not use screws that do not comply with the VESA standard screw specifications. Do not fasten the screws too tightly, as this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.



- To mount the monitor on a wall, you should purchase the wall mounting kit that allows you to mount the monitor at least 10cm away from the wall surface.
- Contact the nearest Samsung Service Center for more information. Samsung Electronics will not be responsible for damages caused by using a base other than those specified.
- **Please use Wall Mount according to the International standards.**



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**○ Troubleshooting**

[Check List](#)   [Q & A](#)   [Self-Test](#)

**▣ Check List**

Before calling for service, check the information in this section to see if you can remedy any problems yourself. If you do need assistance, please call the [phone number on the Information section](#) or [contact your dealer](#).

Symptom	Check List	Solutions
No images on the screen. I cannot turn on the monitor.	Is the power cord connected properly?	Check the power cord connection and supply.
	Can you see "Check Signal Cable" on the screen?	(Connected using the RGB-IN cable) Check the signal cable connection.
	If the power is on, reboot the computer to see the initial screen(the login screen), which can be seen.	If the initial screen (the login screen) appears, boot the computer in the applicable mode (the safe mode for Windows ME/XP/2000) and then change the frequency of the video card. (Refer to the <a href="#">Preset Timing Modes</a> )  If the initial screen (the login screen) does not appear, <a href="#">contact the Service Center or your dealer</a> .
	Can you see "Not Optimum Mode", "Recommended Mode 1680 x 1050 60 Hz" on the screen?	You can see this message when the signal from the video card exceeds the maximum resolution and frequency that the monitor can handle properly.  Adjust the maximum resolution and frequency that the monitor can handle properly.  If the display exceeds SXGA or 75 Hz, a "Not Optimum Mode", "Recommended Mode 1680 x 1050 60 Hz" message is displayed. If the display exceeds 85 Hz, the display will work properly but the "Not Optimum Mode", "Recommended Mode 1680 x 1050 60 Hz" message appears for one minute and then disappears. Please change to the recommended mode during this one-minute period. (The message is displayed again if the system is rebooted.)
There is no image on the screen. Is the power indicator on the monitor blinking at 1 second intervals?		The monitor is in PowerSaver mode.  Press a key on the keyboard to activate the monitor and restore the image on the screen.
		If there is still no image, press the '  ' button. Then press any key on the keyboard again to activate the

		monitor and restore the image on the screen.
I cannot see the On Screen Display.	Have you locked the On Screen Display (OSD) Menu to prevent changes?	Unlock the OSD by pressing the [  ] button for at least 5 seconds.
The screen shows strange colors or just black and white.	Is the screen displaying only one color as if looking at the screen through a cellophane paper?	Check the signal cable connection. Make sure the video card is fully inserted in its slot.
	Have the screen colors become strange after running a program or due to a crash between applications?	Reboot the computer.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
The screen suddenly has become unbalanced.	Have you changed the video card or the driver?	Adjust screen image position and size using the OSD.
	Have you adjusted the resolution or frequency to the monitor?	Adjust the resolution and frequency at the video card. (Refer to the <a href="#">Preset Timing Modes</a> ).
	The screen can be unbalanced due to the cycle of the video card signals. Readjust Position by referring to the OSD.	
The screen is out of focus or OSD cannot be adjusted.	Have you adjusted the resolution or frequency on the monitor?	Adjust the resolution and frequency of the video card. (Refer to the <a href="#">Preset Timing Modes</a> ).
LED is blinking but no images on the screen.	Is the frequency properly adjusted when checking the Display Timing on the menu?	Adjust the frequency properly by referring to the video card manual and the <a href="#">Preset Timing Modes</a> . (The maximum frequency per resolution may differ from product to product.)
There are only 16 colors shown on the screen. The screen colors have changed after changing the video card.	Have the Windows colors been set properly?	Windows XP : Set the resolution at the Control Panel → Appearance and Themes → Display → Settings.  Windows ME/2000 : Set the resolution at the Control Panel → Display → Settings.
	Has the video card been set properly?	Set the video card by referring to the video card manual.
There is a message that reads "Unrecognized monitor, Plug & Play (VESA DDC) monitor found".	Have you installed the monitor driver?	Install the monitor driver according to the <a href="#">Driver Installation Instructions</a> .
	See the video card manual to see if the Plug & Play (VESA DDC) function can be supported.	Install the monitor driver according to the <a href="#">Driver Installation Instructions</a> .
Check when MagicTune™ does not function	MagicTune™ feature is found only on PC (VGA) with	* To check whether your PC is available for MagicTune™ feature, follow the steps below (When Windows is XP);

properly.	Window OS that supports Plug and Play.	Control Panel → Performance and Maintenance → System → Hardware → Device Manager → Monitors → After deleting Plug and Play monitor, find 'Plug and Play monitor' by searching new Hardware.
MagicTune™ doesn't work properly.	Have you changed your PC or video graphic card?  Did you install the program?	<p>MagicTune™ is an additional software for the monitor. Some graphic cards may not support your monitor. When you have a problem with the graphic card, visit our website to check the compatible graphic card list provided.  <a href="http://www.samsung.com/monitor/magictune">http://www.samsung.com/monitor/magictune</a></p> <p>Download the latest program. The program can be downloaded <a href="http://www.samsung.com/monitor/magictune">http://www.samsung.com/monitor/magictune</a></p> <p>Reboot the computer after installing the program for the first time. If a copy of the program is already installed, remove it, reboot the computer, and then install the program again. You need to reboot the computer for it to operate normally after installing or removing the program.</p>

※ Visit the MagicTune™ website and download the installation software for MagicTune™ MAC.

▶ Check the following items if there is trouble with the monitor.

- ▶ Check if the power cord and the video cables are properly connected to the computer.
- ▶ Check if the computer beeps more than 3 times when booting.  
(If it does, request an after-service for the main board of the computer.)
- ▶ If you installed a new video card or assembled the PC, please check if the adapter(video) driver and the monitor driver are properly installed.
- ▶ Check if the scanning ratio of the video screen is set at 56 Hz ~ 75 Hz.  
(Do not exceed 75 Hz when using the maximum resolution.)
- ▶ If you have problems in installing the adapter (video) driver, boot the computer in Safe Mode, remove the Display Adapter at the "Control Panel → System → Device Administrator" and then reboot the computer to reinstall the adapter (video) driver.

※ If problems repeatedly occur, contact an authorized service center.

Check List    Q & A    Self-Test

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▶ Q & A

Question	Answer
How can I change the frequency?	<p>Frequency can be changed by reconfiguring the video card.</p> <p>Note that video card support can vary, depending on the version of the driver used. (Refer to the computer or the video card manual for details.)</p>
How can I adjust the resolution?	<p>Windows XP : Set the resolution at the Control Panel → Appearance and Themes → Display → Settings.</p> <p>Windows ME/2000 : Set the resolution at the Control Panel → Display → Settings.</p> <p>※ Contact the video card manufacturer for details.</p>
How can I set the Power Saving function?	<p>Windows XP : Set the resolution at the Control Panel → Appearance and Themes → Display → Screen Saver. Set the function at BIOS-SETUP of the computer.</p> <p>Windows ME/2000 :</p>

Set the resolution at the Control Panel → Display → Screen Saver.  
Set the function at BIOS-SETUP of the computer.

✘ [Refer to Windows/Computer Manual](#)

How can I clean the outer case/LCD Panel?

Disconnect the power cord and then clean the monitor with a soft cloth, using either a cleaning solution or plain water.

Do not leave any remains of the detergent nor scratch the case. Do not allow any water to go inside the monitor.

How can I completely remove the "UC Monitor Installation Program"?

To completely remove the USB Device installation program for the UC monitor, Click 'Add/Remove Programs' in the 'Control Panel' and a list of currently installed programs is displayed.

Select the driver (USB video device and USB audio device) installed when your UC monitor was connected from the list and click on 'Remove'.

[Check List](#)   [Q & A](#)   [Self-Test](#)

## ▶ Self-Test

[Self-Test Feature Check](#) | [Warning Messages](#) | [Environment](#) | [Useful Tips](#)

Your monitor provides a self test feature that allows you to check whether your monitor is functioning properly.

### ▶ Self-Test Feature Check ▲

- 1 Turn off both your computer and the monitor.
- 2 Unplug the video cable from the back of the computer.
- 3 Turn on the monitor.

If the monitor is functioning properly, you will see a box in the illustration below.



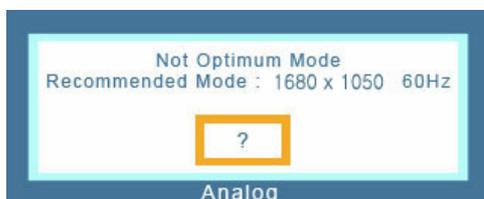
This box appears during normal operation if the video cable becomes disconnected or damaged.

- 4 Turn off your monitor and reconnect the video cable; then turn on both your computer and the monitor.

If your monitor screen remains blank after using the previous procedure, check your video controller and computer system; your monitor is functioning properly.

### ▶ Warning Messages ▲

If there is something wrong with the input signal, a message appears on the screen or the screen goes blank although the power indicator LED is still on. The message may indicate that the monitor is out of scan range or that you need to check the signal cable.



## ▶ Environment ▲

- ▶ The location and the position of the monitor may influence the quality and other features of the monitor.
  - ▶ If there are any sub woofer speakers near the monitor, unplug and relocate the woofer to another room.  
Remove all electronic devices such as radios, fans, clocks and telephones that are within 3 feet (one meter) of the monitor.

## ▶ Useful Tips ▲

- ▶ A monitor recreates visual signals received from the computer. Therefore, if there is trouble with the computer or the video card, this can cause the monitor to become blank, have poor coloring, noise, Video mode not supported, etc. In this case, first check the source of the problem, and then contact [the Service Center or your dealer](#).
- ▶ Judging the monitor's working condition

If there is no image on the screen or a "Not Optimum Mode", "Recommended Mode 1680 x 1050 60 Hz" message comes up, disconnect the cable from the computer while the monitor is still powered on.

  - ▶ If there is a message coming up on the screen or if the screen goes white, this means the monitor is in working condition.
  - ▶ In this case, check the computer for trouble.