

Uniformity and related stipulation

FCC safety compliance

The equipment meets by the test proof the restriction of the relevant B series digital device of Article 15, FCC regulations. The design purpose of these restrictions is to provide reasonable protection for daily life at home against the environmental harmful interference. The equipment will generate harmful interference to the radio communications if it is not installed according to the instructions. However, we also don't promise that no interference situation will take place even after a specific installation mode. We encourage the user to try the following one or multiple methods to improve the situation of interference if the equipment really results in harmful interference to PA or TV reception (you may sense through the equipment):

- * Change the direction or the location of the receiving antenna.
- * Increase the distance between the equipment and the receiving antenna.
- * Connect the equipment and the receiving antenna to different socket.
- * To ask the experienced PA/ TV technical personnel for help.

Hint:

It is necessary for you to use the shielded signal cable and power cord provided with the equipment if you want to meet the restriction of FCC B class computer device. The "Federal Communications Committee" warns that the user will lose the right of operating the equipment toward the unauthorized variation or modification of the equipment without the definite approval from the responsible authorization for the compliance.

Description of radio frequency interference

Warning:

This is the B class product. The product may cause radio interference under the local environment, and the user shall adopt proper solving measures by oneself.

LCD User Manual

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All the illustrations inside the manual and the product accessories provided are for reference only, for detail, please refer to the practical product. The company reserves the right to update the products, and no prior notice will be given.

Trouble shooting

If the display can't operate normally, please try to solve the problem according to the following steps.

1. Please carry out the adjustment according to the description in the paragraph "Operation of display".
2. If you can not find the method to solve the problem in the paragraph "Operation of display", please refer to the following entries.
3. If the problem you met is not within the following description, or you can't solve the problem, then please stop using the display, and consult with the distributor or the nearest service center for further coordination.

Symptoms	Check		
No display image	a) The power indicator is not bright.	Is the power cord plugged to the socket firmly? Is the power switch turned on? Is the AC socket with power? Please insert another equipment to test and see	
	b) The power indicator is green or blue.	Please press the keypad or mouse if you have activated the screen saver program without image. Please increase [Contrast] or [Brightness]. Check if the signal resolution of computer is within the specifications of display?	
		c) Power indicator is orange (yellow) or red	Please press the keypad or mouse if the display is under power management mode. Is the computer power turned on? Is the signal cable properly inserted? Check if the signal resolution of computer is within the specifications of display?
	Displayed result too dark or too bright		Check if the image output extent of computer is within the specifications of display?
	Displayed result is not in the positive center		Check if the signal resolution of computer is within the specifications of display?
	Displayed image jittered.	Check if the voltage is within the specifications? Check if the signal resolution of computer is within the specifications of display?	
		Display not synchronous.	Is the signal cable properly inserted? Check if the signal resolution of computer is within the specifications of display? Check if the image output extent of computer is within the specifications of display?

4. When the screen displays "No signal", there may be two kinds of situations:



- (1) Please check if the signal cable is connected correctly to the computer.
- (2) Please check the cable for wearout.

Power management

The LCD meets VESA DPMS(version1.0p)power management proposal.VESA DPMS proposal provides three step energy saving modes via horizontal or vertical sync signal searching.

Item	DPMS mode	Display	Power indicator	Power consumption	Recovery time
1	Turn on	Normal	Green or blue or white	Normal	---
2	Standby	No display	Orange (yellow), red or flashing	≅ 2 W	3 seconds
3	Turn off	No display	Indicator not lit	≅ 2 W	3 seconds

Start

Warning! Please do not operate the LCD display with the power not designated. Using the incorrect voltage will cause a failure, and may possibly result in a fire hazard or a risk of electric shock.

Introduction

The LCD color display can provide you bright and clear character and graphic image. The maximum resolution of LCD is 1280x720 pixels, available to provide non-flashing display quality under a maximum refresh rate of 60Hz. The diagonal length of the display is 17.0 inches. In addition, the LCD can provide you bright, clear and vivid color display quality, not emitting radiation ray as generating by the common CRT display.

Unique feature

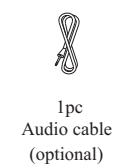
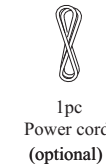
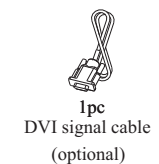
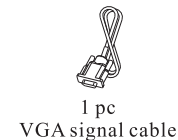
- Supporting WXGA resolution,1280x720 pixels
- Meeting the energy saving function of VESA DPMS: Available to turn off automatically the power of the display after reaching the energy saving time as defined by the user.
- Numeric character smoothing function
- Auto setting
- Meeting Windows 9X/me/2000/XP/Vista plug&play specifications
- On Screen Display (OSD) with the extensive function and user friendly port
- Plug & play: Meeting VESA standard, and supporting DDC2B specifications.

Unpacking and checking the accessories in the package

Please firstly prepare a stable, balanced, clean desktop near to the wall power socket for your LCD and computer before you unpack the LCD package.

1. Please move away the left/ right cotton for protection, and place the LCD display on the stable, balanced and clean desktop.
2. Please let the display stand upright for the convenient installation of PC system.

Accessory



Remarks: The above optional accessories are different depending on the product model, for detail, please refer to the practical product.

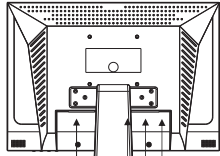
Installation of display

- Please do not install the display in the location with possibly abrupt change of temperature, or with high humidity, too much dust or smog, otherwise, it may cause the fire hazard or the risk of electric shock.
- Please do not install your LCD in the location near the window, otherwise, it may cause serious damage if the display is exposed in the rain, the water vapour, the moistened gas or under the direct sunshine.
- Keep for a good ventilation It may cause risk of fire if the wind channel or port is blocked.
- Please install the display apart from wall for at least 4 inches (or 10cm) to ensure a proper ventilation.
- The operating temperature of LCD is:5° C~40° C, safe storage temperature is: -20° C~60° C.

Connection of display to PC

1. Please turn off the PC and display power prior to the connection of LCD to PC.
2. Connect one terminal of the signal cable for VGA or DVI to the corresponding port of PC, lock tightly the connecting screw to ensure a firm connection
3. Connect the power connector to the AC jack of the LCD, The jack is located at the back of display.
4. Plug the plug terminal of power cord to the socket on the wall.
5. Turn on the computer power and the display power.

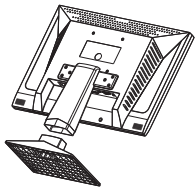
① Audio connector	Audio line connecting location
② VGA connector	VGA signal cable connecting location
③ DVI connector	DVI signal cable connecting location
④ Power connector	Connecting position for AC power supply



- ① Audio cable slot (Optional)
- ② VGA (15 pin D-SUB) connector
- ③ DVI connector (Optional)
- ④ Power connector

Remarks
To improve the protection, we suggest that you use a surge current protective device between the AC power cord and the wall power socket to prevent the bad impact of surge current to LCD. The sudden change of power may cause the display damage.

The schematic diagram of installation and dismantling



Install the base upward and ensure sound alignment to the hole.

Fig. 1

Press from tow sides to take down the stand.

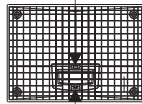
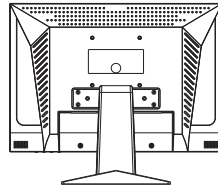


Fig. 2



Dismantling the base needs to hold down the foundation base card to take away the button then pluck it down.

Fig.3

Special precautions for LCD

The following condition of the LCD is normal, not representing any problem.

- The graphic may not be displayed at the correct location when you just turn on LCD depending on the type of computer used. In this case, please adjust the graphic to the correct location. Please refer to the operation of display).
- The screen may flash when you are just starting to use. Please turn off the power, then turn on again to confirm that no flashing will appear.
- The brightness of the screen may be a little bit not even depending on the desktop graphic used by the user.
- There may be previous residual image on the LCD screen when you change over for another image after displaying the image for a few hours. Under these circumstances, you may change for another image, or turn off the power for a few hours, and the screen will recover normal display gradually.
- Please consult with the distributor or the nearest service center to inquire subject of replacement of the backlight when the screen is getting dark, flashing or not bright. It is strictly forbidden to replace the backlight by oneself.

Cleaning

Warning

- If you let any substance or liquid (for example water) fall into the display in the process of cleaning, please pull out the power plug immediately and consult with the distributor or the nearest service center.

Remarks

- For your safety, please turn off the power switch first and pull out the power plug before you clean the display.
- To protect the LCD panel, please don't grind the screen with a hard object.
- It is strictly forbidden to use the following strong solvent. Otherwise, it will cause damage to the LCD screen and the housing.
Thinning agent Spraying cleaning compound Cleaning compound of corrosivity Acid or alkaline solvent
Benzene Wax

Housing

- It may cause shedding of the housing lacquer if using rubber or plastic article to wipe the housing.
- You can use a piece of dish cloth stained with a little bit of neutral cleaning solvent to wipe the dust. Please use a piece of dry soft cloth to wipe the housing afterward.

LCD panel

- It is suggested that you use periodically a piece of dry soft cloth to wipe LCD superficies.
- Please do not use face paper, which may cause damage to the LCD screen.

Supporting resolution

Video Mode			Analog	
			Horizontal Frequency	Vertical Frequency
VESA	VGA	640 x 480	31.5 KHz	60 Hz
	VGATEXT	720 x 400	37.5 KHz	75 Hz
	SVGA	800 x 600	37.9 KHz	60.3 Hz
			46.9 KHz	75.0 Hz
WXGA	1280 x 720	55.5KHz	60 Hz	

Safety Precautions

Warning

Please operate with the power designated.

Using the incorrect voltage will cause a failure, and may possibly result in a fire hazard or a risk of electric shock.

Protect and use cable correctly

Please don't pull out or bend the power cord and signal cable. Please don't set the display or any heavy object on the cable. If the cable is damaged, it will may cause the risk of fire hazard or electric shock.

Please stop operating the display when there appears problem of inductance.

If you discover any abnormal phenomena, for example when there appears strange tone, emitting smoke or strange smell, pull out the power plug immediately, and consult the distributor or the nearest service center. It will be in a dangerous situation, and it may possible result in inflammable or risk of electric shock if you go on operating the equipment.

Please don't disassemble the machine cover

It contains HV circuit in the display. Disassembling the machine cover will make you expose in the risk of the fire hazard or the electric shock.

Please don't let any substance get into the display.

It may cause the risk of fire hazard or electric shock when there is foreign object inside the display but going on using the display.

Please do not use the display at a location near the water vapor.

It is very critical to use the display in a location near water since the liquid is very easily spayed into the display, causing inflammable risk or getting an electric shock.

Poor weather condition

It is suggested that you do not operate the display under the weather condition of thunderclap or storm rain, since it may cause the display to break down due to the intermittent power break. We also suggest that the user not touch the power plug under such kind of environment, because there may be risk of an electric shock.

Hint

Please pull out the cable when you want to move the display.

Please switch off the power, remove the display plug and pull out the signal cable when you want to move the display. If you didn't pull out the cable, it may cause the fire hazard or the risk of electric shock.

Please don't touch a plug with a wet hand.

If you pull out or insert a plug with a wet hand, then it may cause risk of electric shock.

Please grasp the plug body when you want to pull out a plug.

Please grasp the plug body when you want to pull out the power cable or a signal cable. Please don't pull out the cable directly, otherwise, it may cause the fire hazard or the risk of electric shock.

Others

A suggestion of human body engineering

Please do not operate the display in a dark room or under a bright background. To acquire the best visual comfort, you had better set up the display in a location of 40--60cm (16-24 inches) apart from your eyes. When you want to use a display for long hours, it is suggested that you take a rest of 10 minutes per hour, because eying fatigue will be resulted when you watch the screen continuously.

Operation of display

Default resolution of the LCD (Liquid Crystal Display) in the factory can be found in the appendix, and the most ideal graphic quality can be adjusted to. Users can also adjust the graphics according to the following operation.

" MENU ◀ ▶ AUTO " four indicating symbols and corresponding press keys and a LCD lamp can be found in the display panel. The specific functions of these symbols and press keys are listed in the following table:

Push key	Function
① MENU key	Display OSD menu or enter sub-menu
② ◀ Direction key	Indicator cursor movement or the gradual decrease of OSD manual selection or contrast adjustment
③ Power key	On/off screen power
④ LED Power mode indicator	Green or blue or white -normal action Orange (yellow) or red or flash-Power Management (that is, DPMS mode: reduce the power consumption to 2W when horizontal or vertical synchronous signal is not received.)
⑤ ▶ Direction key	Indicator cursor movement or the gradual increase of OSD manual selection or contrast adjustment
⑥ AUTO Adjustment	Automatically adjust pixel clock, phase, horizontal and vertical position and others or quit from the menu.

How to use on screen display(OSD)

It is available for you to use OSD function with ease to adjust the display contents for the quality you want.

(Remarks: Please ensure that the display is at the power on status and the sync signal input is provided prior to use the OSD adjustment function)

Structure of OSD menu



Operating procedure

1. Press "MENU" Push key to display the OSD menu.
2. Press "◀" Or "▶" Push key to select the main menu entry.
3. Press "MENU" Push key to select sub entry.
4. Press "◀" Or "▶" Push key to adjust.
5. Press "AUTO" Push key to exit from the present menu after ending the adjustment.

Remarks: The diagram is a schematic one, and the concrete menu will be varied stightly depending on the model.

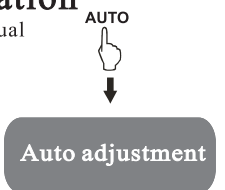
The adjustment of the display screen indication

There are two kinds of adjustment for the display screen, i.e. auto and manual adjustment.

Auto adjustment

1. Press the key with 「AUTO」 on the display panel.
2. Begin to auto adjust. 「Auto adjust」 OSD will be displayed automatically. It will complete the adjustment about 10 seconds later.

Remarks: No effect will be available for the function adjustment under DVI mode since the digital signal is very standard.



Manual adjustment

- a) Power ON the LCD monitor and computer.
 b) Adjust according to the aforementioned "Operating Procedure" and "Menu" Table to adjust the screen to your favorable screen display.

OSD Shortcut Key (Remarks: The menu function may differ slightly depending on the model.)
 This function can facilitate users to adjust the commonly used menus such as "brightness" and "contrast".

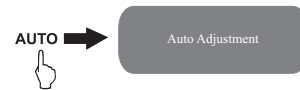
- a) If activated menu is not available, push "◀" key directly to adjust the contrast of display.



- b) If activated menu is not available, push "▶" key directly to adjust the brightness or volume of display (need display support).

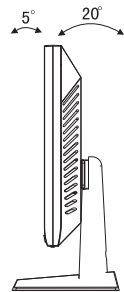


- c) If activated menu is not available, push "AUTO" key directly to automatically adjust the pixel clock, phase, horizontal and vertical positions and so on.



Adjusting the viewing angle

Your LCD Monitor is designed to allow you to adjust it to an optimal viewing angle.



NOTE

Do not touch the screen while changing the viewing angle. It may damage the screen. Make sure not to catch your fingers while changing the viewing angle.

Menu

Sub-menu	Function name	After press "◀" and "▶" button
	Contrast	Adjust the contrast of the picture.
	Brightness	Adjust the brightness of the picture.
	Horizontal position	Screen picture can move left or right.
	Vertical position	Screen picture can move up or down.
	OSD horizontal position	Adjust the horizontal orientation of the menu.
	OSD vertical position	Adjust the vertical orientation of the menu.
	Horizontal size	Adjust the noise at the horizontal direction of the picture.
	Phase	Adjust the noise at the vertical direction of the picture.
	Volume	Adjust the volume (need display support).
	Input selection	A/D or D/A conversion (need display support).
	Color adjustment	Preset temperature in the factory (9300K) (7500K) (6500K) USER: User-defined color temperature AUTO: Automatic color adjustment.
	Language	Six languages: English, German, French, Spanish, Italian, Simplified, Chinese.
	Recover the mode in the factory	Recover to the default value in the factory.
	Quit	Quit from the OSD menu.

Notes: Menu function is a little different in different type.