

LCD Monitor User Manual

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FCC Statement

This equipment has been tested and found to comply with limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment can generate, use, and radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause unacceptable interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures. Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced Radio/TV technician for help.

PRODUCT NAME : 17" TFT LCD

MODEL NUMBER :NV721C

LCD POWER : 12VDC/5.0AMAX

ADAPTER POWER : 100V-240VAC 47-63Hz 1.0AMAX

FCC RULES : TESTED TO COMPLY WITH FCC PART 15, CLASS B

OPERATING ENVIRONMENT : FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT :

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

GETTING STARTED

WARNING: Do not operate the LCD monitor with unspecified power supply. Usage of incorrect voltage will cause malfunction and may cause fire or electric shock.

Introduction

Bright and sharp images of text and graphics are what you will find with your LCD color monitor. They provide a maximum resolution of 1280x1024 pixels with a flicker-free display at up to 75Hz refresh rate and offer bright, sharp and vibrant color display without the radiation emission and hazards of CRT monitors.

Features

- Support SXGA resolution of 1280x1024 pixels
- Wide viewing angle support
- Wide tilting angle
- VESA DPMS-compliant power saving: automatically powers down the monitor after a defined period of inactivity.
- Digital Character Smoothing
- Automatic Set-Up
- Ergonomic Design: TCO Approved
- Windows 95/98/2000/XP Plug & Play Compliant
- Versatile, functional & User friendly OSD

*Plug & Play: Conform to the VESA standards and support DDC1/2B spec.

Connecting Your Monitor to PC



Connecting the monitor

1. Turn off your PC and the LCD Monitor before connecting your LCD monitor to the PC.
2. Use VGA cable to connect the VGA connector of the LCD Monitor to the VGA port of the PC system. Make sure the cable head is securely connected.
3. Plug the DC connector of the adaptor to your monitor's DC jack.
4. Plug the female end of the power cord into the AC adaptor.
5. Connect the male end of the power cord into a wall socket.
6. Turn on your computer, and then turn on your LCD Monitor.

Adjusting the Viewing Angle

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

You can adjust the monitor upward to 20 degrees and downward to -5 degrees and is also designed to adjust 120 degree horizontally via swivel function.

**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.

OPERATING THE MONITOR

OsD icon includes five section: menu, left, on/off, right and auto.

A. OSD MAIN MENU

Press MEUN icon, THE OSD appears, it includes the following function.

a - contrast

select this item, press auto icon, you can adjust the picture contrast.

b - brightness

select this item, press auto icon, you can adjust the brightness.

c - h-phase

Select this item, press auto icon, you can adjust the picture horizontal position.

d - v-phase

Select this item, press auto icon, you can adjust the picture vertical position.

e - width

Select this item, press auto icon, you can adjust the picture horizontal size (when the vertical noise appears, you can adjust this item to get the best quality picture.)

f - phase

Select this item, press auto icon, you can adjust the picture phase (when the horizontal noise appears, you can adjust this item to get the best quality picture.)

g - osd h-position

Select this item, press auto icon, you can adjust the osd horizontal position.

h - osd v-position

Select this item, press auto icon, you can adjust osd horizontal position.

i - color

Color adjust item, it includes 9300k, 7800k, 6500k, user, auto, and exit.

9300k, 7800k, 6500k are color temperature items, user can adjust the color temperature; when you press auto item, the system can adjust itself automatically -

and if you choose the "exit" item, it will exit the current system.

j, language

it includes Chinese, English, French, italy language, etc.

k - recall

when you select this item, the system can recall the factory setup.

l - exit

When you select this item, it will exit the osd current menu.

B - "left", "right" icon

When no osd appears, press left or right icon, you can adjust the brightness or contrast, they are two shortcut

keys.

C - on /off icon

when you press this icon , you can power on/off the monitor .

D - AUTO icon

When no osd appears , press menu icon is to auto balance the monitor,

FOR YOUR SAFETY

WARNING

ALWAYS OPERATE UNDER SPECIFIED POWER SUPPLY

Usage of incorrect voltage will cause malfunction and may cause fire or electric shock.

PROTECT and CORRECTLY USE THE CABLE

Do not pull or bend the power cable and signal cable or place the monitor or any heavy objects on the cables. If the cables are damaged, they may cause fire or electric shock.

IMMEDIATELY STOP OPERATING THE MONITOR WHEN YOU DETECT ANY ABNORMAL OCCURENCE

If you notice any abnormal phenomenon such as strange noise, smoke or smells, unplug the monitor and contact your dealer or the nearest service center immediately.

DO NOT REMOVE THE CABINET

Removing the cabinet may expose you to the danger of fire or electric shock.

DO NOT PUT ANY FOREIGN OBJECT INSIDE THE MONITOR

It may cause fire, electric shock or damage when operating the monitor with foreign objects inside.

DO NOT USE THE MONITOR NEAR WATER

Operating the monitor in close proximity to water where the water may be spilt or splashed onto the monitor may cause fire or electric shock.

BAD WEATHER CONDITIONS

It is advisable not to operate the monitor during heavy thunderstorms as intermittent breaks in power may cause malfunction. Do not touch the plug under these circumstances as it may cause electric shock.

CAUTION

DISCONNECT CABLES WHEN MOVING THE MONITOR

When moving the monitor, always turn off the switch, unplug the monitor, and disconnect the signal cable. If the cables are not properly disconnected when moving the monitor, it may cause fire or electric shock.

DO NOT TOUCH THE PLUG WITH WET HANDS

Pulling or inserting the plug with wet hands may cause electric shock.

HOLD THE PLUG WHEN DISCONNECTING

To disconnect the power cable or signal cable, always pull the cable by the plug. Never pull on the cable as this may cause fire or electric shock.

OTHERS

ERGONOMICS RECOMMENDATIONS

Do not operate the monitor in a dark room or against a bright background. For optimal viewing comfort, the monitor should be just below eye level and 30-60 cm (16-24 inches) away from your eyes. When using the monitor over a prolonged period of time, a ten-minute-break per hour is recommended.

FCC recommendation

The device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions .

1)This device may not cause harmful interference ,and

2)This device must accept any interference received,including interference that may cause undesired operation.

SPECIAL NOTES ON LCD MONITORS

The following are normal with LCD monitors and do not indicate a problem.

- When first turning on the LCD monitor, if the picture does not fit in the display area, it is because of the type of computer that is used. In such case, adjust the picture position to its correct position.(See Operating the Monitor)
- The screen may flicker during initial use. Turn off the power switch and then turn it on again the flickering should disappear.
- Users may notice a little uneven brightness on the screen depending on the desktop pattern they use. It is normal for LCD monitors to show such uneven brightness.
- Due to the nature of the LCD screen, switching of images after a prolonged period of time of displaying the same image, the image from the previous screen may remain. In such case, the screen is recovered slowly by changing the image or turning off the power switch for hours.
- If the screen becomes dark, flickers, or does not light-up, contact your dealer or the nearest service center for a backlight replacement. Do not attempt to replace it yourself.
- If you need to return your unit for service and the original packaging was discarded, please contact your dealer or the nearest service center for advice or replacement of packaging.

Cleaning

WARNING

- If you dropped any material or liquid such as water onto the monitor when cleaning, unplug the power cable immediately and contact your dealer or the nearest service center. Always make sure your hands are dry when unplugging the power cable.

CAUTION

- For safety reasons, turn-off the power switch and unplug the monitor before cleaning.
- Do not scratch or rub the screen with a hard object.
- Never use any of the following solvents on the LCD monitor. Such harsh chemicals may cause damage to the cabinet and the LCD screen.
Thinner Spray-type cleaner Benzene Wax Abrasive cleaner Acid or Alkaline solvent
- Rubbing the cabinet with products made of rubber or plastic for a long period of time may cause degeneration or loss of paint on the cabinet.

Cabinet

- Remove dirt with a lightly moistened cloth and a mild solvent detergent. Then wipe the cabinet with a soft dry cloth.

LCD

- Periodic cleaning with a soft dry cloth is recommended.
- Do not use tissue to clean the screen. It may damage the LCD screen.

Power Management

The LCD Monitor complies with the VESA DPMS (version 1.0p) power management proposal. The VESA DPMS proposal provides four phases of power saving modes by detecting the horizontal or vertical sync signal.

Item	DPMS Mode	Display	Power LED	Power Consumption	Recovery Time	H-sync	V-sync
1	On	Normal	Green	≤ 55W	---	On	On
2	Stand By	No Display	Amber	≤ 5W	3 sec	< 10 KHz	On
3	Suspend	No Display	Amber	≤ 5W	3 sec	On	< 10 Hz
4	Off	No Display	Amber	≤ 5W	3 sec	<10KHz	<10Hz

Supported Timing

Display Mode			Analog	
			Horizontal Frequency	Vertical Frequency
VESA	VGA	640 x 480	31.5 KHz	60 Hz
		720 x 400	37.5 KHz	75 Hz
	SVGA	800 x 600	31.5 KHz	70.1 Hz
			35.2 KHz	56.3 Hz
			37.9 KHz	60.3 Hz
			46.9 KHz	75.0 Hz
	XGA	1024 x 768	48.1 KHz	72.0 Hz
			48.4 KHz	60.0 Hz
			56.5 KHz	70.1 Hz
			58.1 KHz	72.0 Hz
SXGA	1280 x 1024	60.0 KHz	75.0 Hz	
		63.98 KHz	60.02 Hz	
Macintosh	VGA	640 x 480	75.97 KHz	75.02 Hz
		852 x 624	35.0 KHz	66.7 Hz
			49.7 KHz	74.6 Hz

Troubleshooting Procedures

If the LCD monitor fails to function correctly, please follow the following steps for a possible solution.

1. Perform the adjustments according to **Operating the Monitor**.
2. Refer to the following items if you cannot find a proper item listed in the **Operating the Monitor** or if the problem remains.
3. If the problem you have experienced is not described below or you cannot correct the problem, stop using the monitor and contact your dealer or the nearest service center for further assistance.

PROBLEM	CHECK TO SEE
No Display.	
a) Power indicator does not light up.	If the power cord is firmly plugged in the socket. If the power switch is turned on. If the A/C socket is OK. Please check using another piece of equipment.
b) Power indicator is green.	If the blank screen saver is active, touch the keyboard or mouse. Increase the CONTRAST and/or BRIGHTNESS. If the computer is ON. If the signal cable is properly connected. If the signal timing of the computer is within the spec of the monitor.
c) Power Indicator is amber.	If the monitor is on power management mode, touch the keyboard or the mouse. If the computer is ON. If the signal cable is properly connected. If the signal timing of the computer is within the spec.
Display is too dark or too bright.	If the video output level of the computer is within the spec.
Display is not in the center.	If the signal timing of the computer is within the spec.
Display is shaking.	If the power voltage is within the spec. If the signal timing of the computer is within the spec.
Display is not synchronized.	If the signal cable is properly connected. If the signal timing of the computer is within the spec. If the video output level of the computer is within the spec.