

# 172N LCD MONITOR

## MENUAL



ALLINONE DISPLAY INC.  
[www.aodlcd.com](http://www.aodlcd.com)

## **FCC NOTE**

:This equipment has been tested and found to comply with the 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 generates, uses and can 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 harmful interference to radio or 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.

**THIS 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**

**THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE**

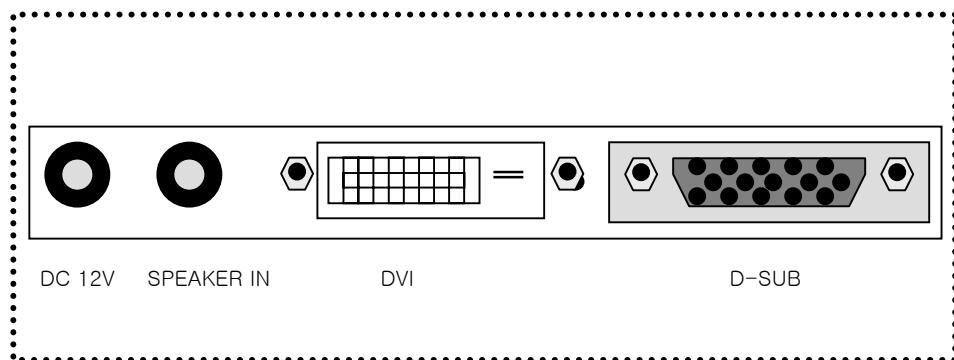
**CAUSED UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH**

**MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

## **TABLE OF CONTENTS**

- 0. Connection To the Monitor
- 1. Installation
- 2. Features
- 3. Plug and Play Function
- 4. Safety Precautions
- 5. Contents Of the Retail Package
- 6. OSD (On-Screen-Menu)
- 7. OSD Controls
  - 7.1 Brightness
  - 7.2 Contrast
  - 7.3 H.Position
  - 7.4 V.Position
  - 7.5 CLOCK
  - 7.6 CLOCK PHASE
  - 7.7 COLOR Control
  - 7.8 Language
  - 7.9 Information
  - 7.10 OSD
  - 7.11 Auto Adjust
- 8. Troubleshooting
- 9. Specifications
- 11. Video Mode

## 0. Cable Connection



## 1. Installation

- Connect the signal(VGA) cable to the VGA port of computer. Tighten the two thumbscrews by turning clockwise.
- You can adjust the connection for your PC environment.
- Plug the DC cord of the AC adapter to the power connector and the plug the end of AC adapter to an electrical outlet socket(110V/220V)
- Connect DC cord of adapter (12V DC) to the monitor..

## 2. Features

- 172N is 17" SXGA LCD monitor and support up to 75Hz.
- You can adjust brightness, contrast, horizontal & vertical positions by OSD menus and use auto adjust function for instant adjustment.
- High-qualified LCD Controller inside
- Compact space saving design and power saving mode
- 100% compatible with Windows PC environment without the installation of driver CD or software program.

### **3. Plug and Play Function**

172N can be installed and connected automatically to any computer systems without driver CD or software programs. Monitor will recognize the optimized value of video mode by DDC(Display Data Channel) method that makes the graphic card of computer to communicate with the monitor. 172N supports VESA DDC 1/2B.

### **4. Safety Precautions**

We strongly recommend that you carefully read this User's Manual before operating your LCD monitor. FOLLOW INSTRUCTIONS in this manual.

Please read and comprehend all using directives before use this machine.

#### **● Power**

— Use the type of power indicated on the marking label.

#### **● Adapter**

— Only use an adapter designed of the LCD monitor.

#### **● Plugs**

— Do not remove any of the prongs of the monitor's three-pronged power plug.

— Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.

#### **● Power and extension cords**

— Use the proper power cord with ground conductor

— Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 7 amperes.

— Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

#### **● Care and maintenance**

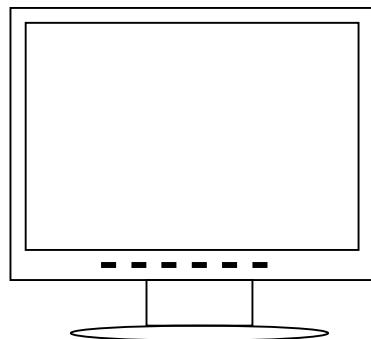
— Slots and openings in the cabinet are provided for ventilation. Do not block or cover these openings.

— Do not push objects of any kind into cabinet slots or openings. The screen surface is easily scratched.

— Do not use paper towels to clean the display. Avoid touching it with your fingers, pens, or pencils.

— Turn off the AC adapter and the monitor over long periods when not in use.

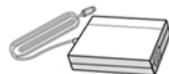
## 5. Contents Of the Retail Package



Monitor



User's Manual



AC/DC Adaptor



Power Cord



VGA Cable



Audio Cable

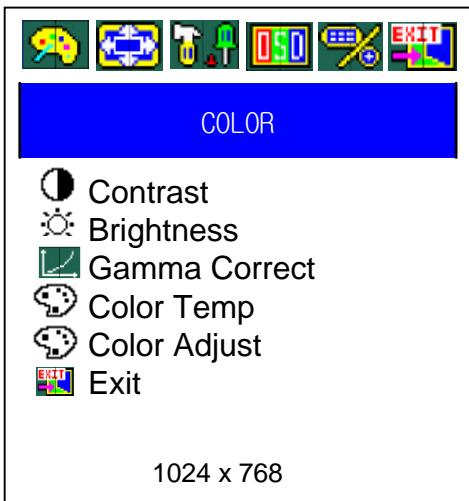
## 6. OSD (On-Screen-Menu)

Menu      Enter      <      >      Power

Buttons	Function	Status	Hot key
Power	Turn the power ON or Off	ON/OFF	
LED	Operating condition	Green(ON) / Red (Stand-by) Orange : No Signal	
Auto/ (exit)	Auto Adjust/ Menu OFF	Auto Adjust/ Menu OFF	
	Launch OSD Menu or down values	Move to OSD Menu	Adjust Brightness
Menu	Select OSD Menu		
Enter	Launch OSD Menu ( Select )		
	Launch OSD Menu or Add values	Move to OSD Menu	Adjust Brightness

## OSD Controls

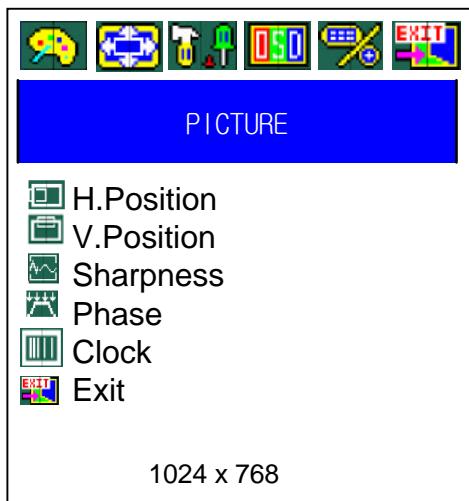
### 1. Color



**MENU →  Select COLOR → UP / DOWN KEY**

- 1)  Adjust Contrast
- 2)  Adjust Brightness
- 3)  Adjust Color
- 4)  Adjust Color Temp
- 5)  Adjust R.G.B value

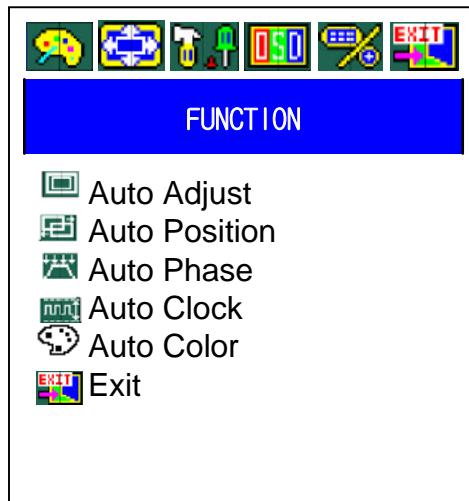
### 2. PICTURE



**MENU →  Select PICTURE → UP / DOWN KEY**

- 1)  Adjust Horizontal Position
- 2)  Adjust Vertical Position
- 3)  Adjust Sharpness
- 4)  Adjust Phase
- 5)  Optimize Image and eliminate Noise

### 3. FUNCTION



**MENU →  Select FUNCTION → UP / DOWN KEY**

- 1)  Run Auto-Adjust Function for optimization
- 2)  Automatically adjust screen position
- 3)  Automatically adjust phase
- 4)  Automatically adjust image and eliminate noise
- 5)  Automatically adjust color status

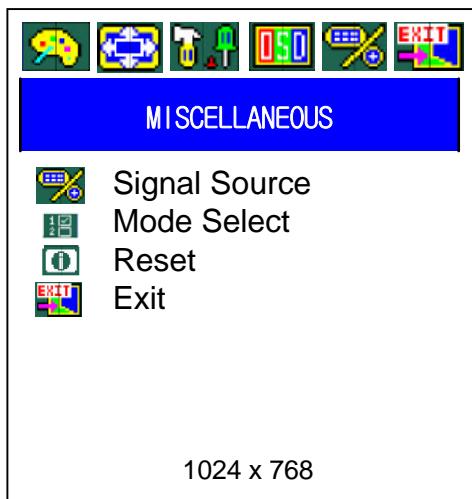
#### 4. OSD MENU



MENU → Select OSD MENU → UP / DOWN KEY

- 1) Select Language
- 2) Adjust OSD Horizontal Position
- 3) Adjust OSD Vertical Position
- 4) Select OSD Auto Timer
- 5) Select transparent status of OSD menu

#### 5. MISCELLANEOUS



MENU → Select MISCELLANEOUS → UP / DOWN KEY

- 1) Select Signal Source
- 2) Select Mode
- 3) Go to Factory Setting

## **8. Troubleshooting**

**TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER.  
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL.**

**The monitor does not respond after you turn on the system.**

Make sure that the monitor is turned on. Turn off the power and check the monitor's power cord, AC adapter, and signal cable for proper connection.

**Appear the “ No Input the Signal”**

Check the connecting of the audio cable between the monitor and the computer.

**Appear the “ Input Not the Supported”**

Input signal are insuperable, refer the “Video Modes”

**The appearance is not at the screen center.**

Use “AUTO ADJUST” or manually adjust “PHASE” and “CLOCK”, refer the Controls section.

**The characters on the screen are too dim or too bright**

Choose fit color temperature, use “AUTO COLOUR ADJUST or manually adjust “RGB ADJUSTMENT, refer the Controls section.

## 9. Specifications

Model	17 inch SXGA LCD Monitor
<b>Display</b>	
Type	17" Color Active Matrix LCD
Color	16M(8 bit/color)
Pixel	0.264 x 0.264 mm
Screen Size	337.92 (H) x 270.336 (V) mm
Resolution (Max)	1280 x 1024 at 60 to 75Hz
Contrast Ratio	500:1
Brightness	250 cd/m <sup>2</sup>
<b>Video</b>	
Frequency	Horizontal: 56 ~ 75Hz Vertical: 31.5 ~ 80KHz
Input signal	Analog RGB, 15 Pin
<b>Compatibility</b>	
Plug and Play	VESA DDC 1/2B
Compatibility	VESA / IBM / MAC
Power	VESA Standard, DPMS
<b>Operation Environment</b>	
Power Consumption	Operation Mode: 35 watt max. Stand-by: 4 watt max.
Temperature	Operation Mode : 0 °C ~ 40 °C Stand-by: -20 °C ~ 60 °C
Humidity	Operation Mode: 10% ~ 85% R.H. Stand-by: 90% R.H. Max.
<b>User's Mode</b>	
OSD Key	Auto(exit)/Down/Menu / Enter/Up/Power

## 11. Video Mode

◆ Below values are set by **Manufacturer**

Mode <sup>*1</sup>	Resolution	Refresh rate	H-freq.	Pixel freq.	Remarks <sup>*1</sup>
VGA	640 x 350	70Hz	31.47KHz	25.175MHz	VESA Standard
VGA	720 x 400	59.940HZ	31.469KHZ	25.175MHZ	IBM VGA 3H
VGA	640 x 480	60Hz	31.5KHz	25.175MHz	Industry Standard
VGA	640 x 480	72Hz	37.9KHz	31.500MHz	VESA Standard
VGA	640 x 480	75HZ	37.5KHZ	31.500MHZ	VESA Standard
SVGA	800 x 600	60Hz	37.9KHz	40.000MHz	VESA Guidelines
SVGA	800 x 600	72Hz	48.1KHz	50.000MHz	VESA Standard
SVGA	800 x 600	75HZ	46.9KHZ	49.500MHZ	VESA Standard
XGA	1024 x 768	60Hz	48.4KHz	65.000MHz	VESA Guidelines
XGA	1024 x 768	70Hz	56.5KHz	75.000MHz	VESA Standard
XGA	1024 x 768	75HZ	60KHZ	78.750MHZ	VESA Standard
SXGA	1280 x1024	60Hz	64KHZ	108MHZ	VESA Standard
SXGA	1280 x1024	75HZ	80KHZ	135MHZ	VESA Standard