

MODELS **EPI5AV/EPI7AV**



EP-SERIES

15"/17" TFT LCD DISPLAY | Composite and VGA Security Monitor

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Introduction

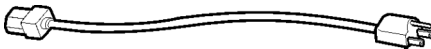
Congratulations on purchasing AGNPRO flat panel monitors. Your LCD monitor incorporates a high quality display in a small light weight package with standard vesa mounting for ease of installation. It also features power-saving and low emissions. Designed for video and CCTV applications, your monitor provides enhanced video output and features to enhance your overall system.

Your LCD monitor incorporates a color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. It is fully plug & play compatible, so you don't have to install any drivers. The OSD (On Screen Display Menu) will allow you to fine tune your display.

Package Contents

Before using this monitor, check the following items are included in your carton box:

- Monitor (*1)
- AC Power cord (*1)



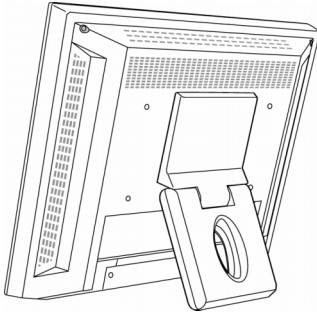
- VGA cable (D-sub 15-pin signal) (*1)



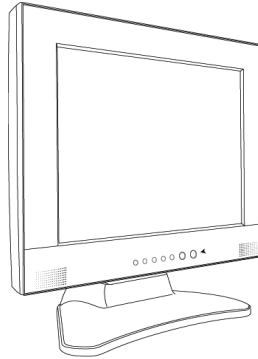
- Composite to BNC adaptor (*1) (**Optional**)
- User's manual

Monitor Stand Options

The EP series monitor comes with picture frame stand as shown in the illustration below or a standard desktop stand depending on the specific model purchased.



Picture frame stand



Standard desktop stand

Care of Your Monitor

Installation

- Do not cover or block the ventilation holes in the case.
- Do not install the monitor near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Optional Video adaptor installation
- Turn off the power switch and unplug the monitor before installation to avoid electric shock or damage.
- Install the optional video adaptor on a stable surface. The monitor may cause injury or damage if it falls or is dropped.

Power connection

- Use an appropriate power cord for your local power supply.
- The outlet should be installed near the monitor and be easily accessible.
- Do not allow anything to rest on the power cord.
- Disconnect the power plug from the power outlet under following conditions:
 - If you will not use it for an indefinite period time.
 - When the power cord or plug is damaged or frayed.
 - If the product has been dropped or the cabinet has been damaged.
 - If the product exhibits a distinct change in performance, indicate a need for service.

Maintenance

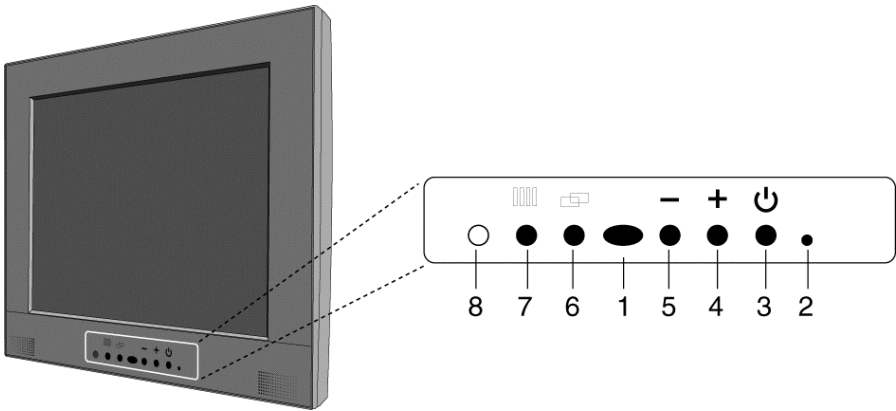
- Clean the cabinet, glass, and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent, such as alcohol or benzene.

- Do not rub, touch, or tap the surface of the screen with sharp or abrasive items such as a pen or screwdriver. This type of contact may result in a scratched glass.
- Do not insert sharp objects or spill liquid into the monitor through ventilation holes. They may cause accident fire, electric shock or failure.
- Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage potentials or other risks.

Transportation

- When you transport this monitor for repair or shipment, please be sure to use the original carton and packing materials to avoid damage.

Controls



Controls on front bezel of monitor

1. *** Infrared receiver:** Remote control to select the OSD of LCD Monitor and TV functions. **(Does not apply to models: EP15AV and EP17AV)**
2. **Power LED:** This power LED indicates different status when this unit operates in different modes.
3. **Power switch:** Turns the monitor on or off.
4. **Increase:** Increase the adjustment value of selected OSD control option and Volume with monitors with audio in function.
5. **Decrease:** Decrease the adjustment value of selected OSD control option and Volume with monitors with audio in function.
6. **OSD select :** Activates the On-Screen Display menu. and selects the OSD control options on the screen.
7. **Auto tuning button:** Adjust the picture position and performance automatically.

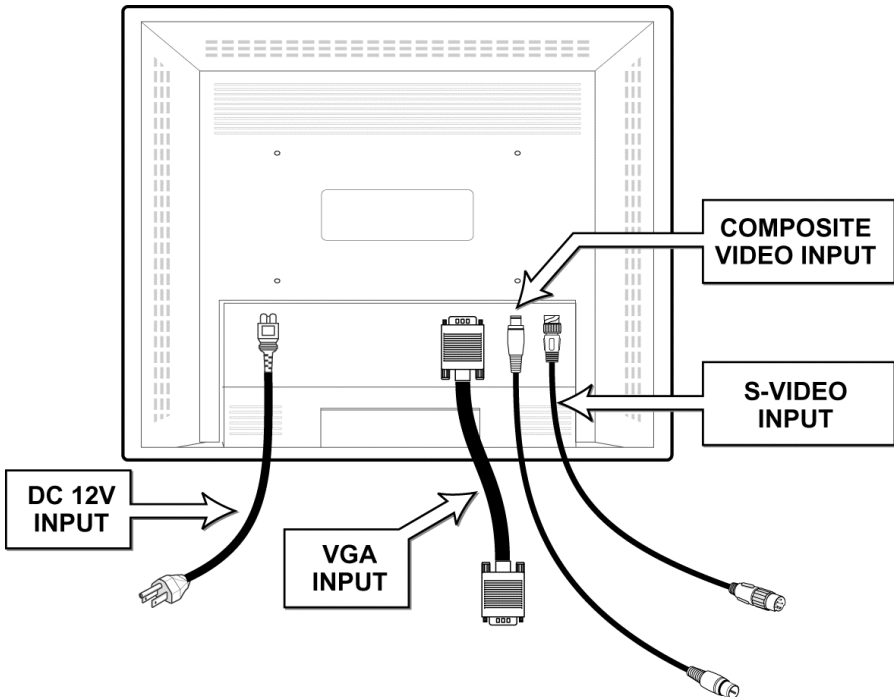
You are recommended to press the button the first time you use the monitor or every time you change the resolution and/or refresh rate of the input signal.

8. * **Light sensor:** Automatically detects ambient light to adjust brightness to optimize picture quality. **(Does not apply to models: EP15AV and EP17AV)**

9. **Headphone jack:** **(Does not apply to models: EP15AV and EP17AV)**

10. * **Internal Microphone:** **(Does not apply to models: EP15AV and EP17AV)**

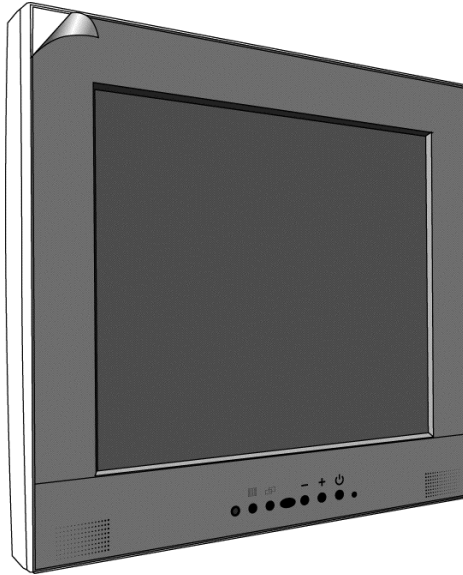
* **Options** (These buttons/functions are not active on models: EP15AV and EP17AV)



- DC +12V Power Input
Provides +12V DC power to the monitor.
- VGA Input
D-sub 15-pin connector for VGA signal.

Setup

1. Remove the dust-proof plastic sheet
Remove the dust-proof plastic sheet from the surface of monitor.





2. Connect your monitor to the video source

Composite Video Input - Connect your monitor to a video source such as Digital Video Recorder, Multiplexer, Camera, VCR, etc using a cable with an RCA jack. To use BNC connectors, you will need to use a composite to BNC adaptor. For some models, this adaptor is included with the monitor.

VGA Input - Connect your monitor to your computer or other device using the D-Sub 15-pin connector. With the computer switched off, connect the analog VGA signal cable to the "ANALOG" port on the back of the monitor. The monitor is compatible with IBM PC and Macintosh computers.

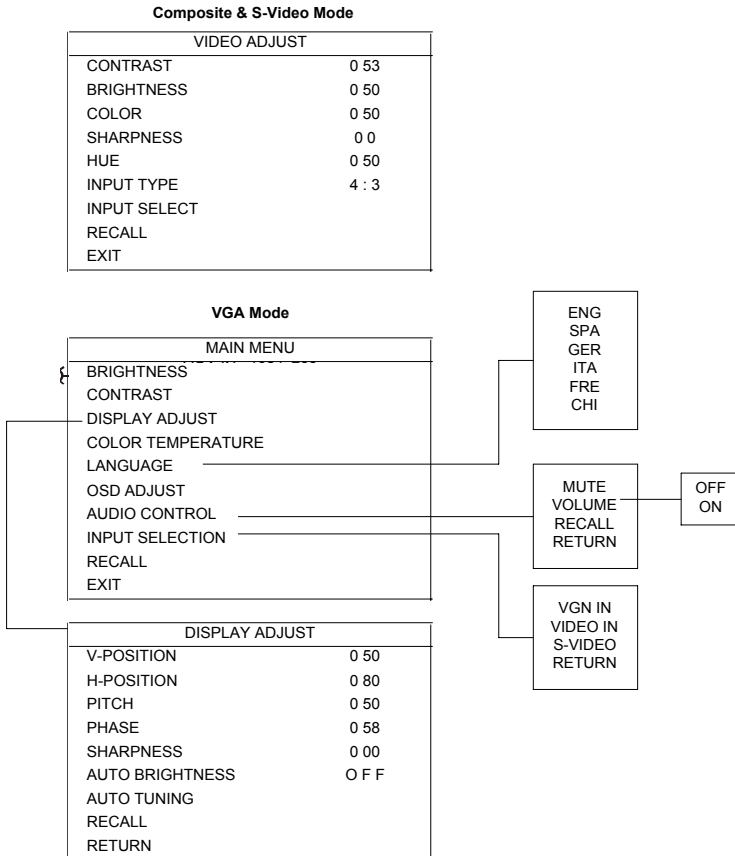
3. Press the Power switch (3) to turn on your monitor. You should see the picture on your monitor now. If not, please check the "Troubleshooting" section of this user manual for details.













4. Use 1024 x 768 resolution for model EP15AV or 1280 X 1024 for model EP17AV and press  (AUTO) button for best performance. (If you are not using a computer, please skip this step.)
5. Before starting to work, you are recommended to adjust the resolution of video signal from your computer to its native resolution: (1024 x 768 at 60 KHz for EP15AV) / (1280 X 1024 at 60 KHz for EP17AV) for best picture performance. (Please check the user manual of your computer to learn how to adjust the resolution and refresh rate.)
6. You are also recommended to press the  (AUTO) button to adjust the picture performance automatically and to ensure the tolerance-free picture.
7. The monitor is plug and play compatible with Microsoft Windows 95/98/2000/ME/XP. No driver installation is required.

Adjusting Your LCD Panel

Using your on screen display (OSD) menu, you will be able to fine tune and optimize your LCD monitor. Important! Though manual adjustment of the LCD panel is available, we strongly recommend you to use the auto adjustment function of the panel. It will automatically tune your LCD panel to the optimal performance. Simply push the AUTO button to enable the auto adjustment function. Additionally, we recommend you to use the auto adjustment function every time after you have change the resolution or frequency of your display.

Selecting OSD Features





-  **BRIGHTNESS:** Adjusts the background black level of the screen image.
-  **CONTRAST:** Adjusts the foreground white level of the screen image.
-  **H.POSITION:** Moves the screen image left or right.
-  **V.POSITION:** Moves the screen up and down.
-  **PITCH:** Adjusts image distortion appearing as vertical bars or noise
-  **PHASE:** Adjusts image distortion appearing as horizontal noise on the screen
-  **SHARPNESS:** Adjusts the clarity and focus of the screen images
-  **COLOR METER:** Adjusts color temperatures for users
-  **LANGUAGE:** Allows you to choose from among five languages as English, French, German, Italian, and Spanish
-  **AUDIO CONTROL:** Switch muting ON/OFF and Volume control
-  **INPUT SELECTION:** Select video source: VGA, Composite (CVBS)
-  **RECALL:** Resets setting back to factory default

HOT KEY CONTROL

- 1) VGA HOT KEY
 - UP KEY ▶ BRIGHTNESS
 - DOWN KEY ▶ CONTRAST
- 2) VGA+A HOT KEY
 - UP KEY ▶ VOLUME INCREASE
 - DOWN KEY ▶ VOLUME DECREASE

Troubleshooting

Symptom	Check Items
<ul style="list-style-type: none"> • No picture • Power LED is off. 	<ul style="list-style-type: none"> • Check that the power switch of monitor is turned on. • Check that the power adapter is properly connected to the monitor. • Check that the power cord is properly connected to the power adapter. • Check that the power cord is properly connected to power outlet. • Check there is electrical power coming from the power outlet. Use another device to check for power.
<ul style="list-style-type: none"> • The texts are not solid 	<ul style="list-style-type: none"> • Change the resolution of the video signal to 1024 x 768 (EP15AV) 1280 X 1024 (EP17AV) if it is not. • Press  (AUTO) button to run the automatic adjustment.
<ul style="list-style-type: none"> • Screen image is not centered properly. • Some lines are missing 	<ul style="list-style-type: none"> • Press  (AUTO) button to run the automatic adjustment. • Adjust H. Position and V. Position to fine tune. (Please refer to the “Customizing Your Monitor” section of this user manual for details.)

Technical Features and Specifications

Specifications

Size / Model	15" / EP15AV	17" / EP17AV
Electrical characteristics		
Screen size	15" diagonal	17" diagonal
Pixel format	1024 x 768	1280 x 1024
Horizontal frequency	26kHz – 81kHz	26kHz – 81kHz
Vertical frequency	50kHz – 75kHz	50kHz – 75kHz
Maximum pixel clock	135MHz	135MHz
Connections	Power: 3-Pin AC Plug	Power: 3-Pin AC Plug
Physical characteristics		
Weight	Net: 6.5Kg (xxx lb)	Net: 7.3Kg (16.1 lb)
Tilt angle	0° - 45° picture frame stand 0° - 15° desktop stand	0° - 45° picture frame stand 0° - 15° desktop stand
Temperature	Operating: 0° - 40°C Storage: -20° - 60°C	Operating: 0° - 40°C Storage: -20° - 60°C
Humidity	Operating: 10% - 90% Storage: 5% - 95%	Operating: 10% - 90% Storage: 5% - 95%

Preset and User Modes

The EP series monitors have 16 factory preset modes.

Model EP15AV

Preset	Resolution	H Freq(kHz)	VFreq(Hz)
0	640*350	31.469	70.087
1	640*400	24.823	56.416
2	640*400	31.469	70.087
3	640*480	31.469	59.940
4	640*480	35.000	66.667
5	640*480	37.861	72.809
6	640*480	37.500	75.000
7	720*400	31.469	70.087
8	800*600	35.156	56.250
9	800*600	37.879	60.317
10	800*600	48.077	72.188
11	800*600	46.875	75.000
12	832*624	49.107	75.087
13	1024*768	48.363	60.004
14	1024*768	56.476	70.069
15	1024*768	58.038	71.918
16	1024*768	60.023	75.029

Model EP17AV

Preset	Resolution	H Freq(kHz)	V Freq(kHz)
0	720*350	31.669	70.087
1	660*680	31.669	59.960
2	660*680	35.000	66.667
3	660*680	37.861	72.809
6	660*680	37.500	75.000
5	720*600	31.669	70.087
6	800*600	35.156	56.250

7	800*600	37.879	60.317
8	800*600	68.077	72.188
9	800*600	66.875	75.000
10	832*626	69.750	76.500
11	1026*768	68.363	60.006
12	1026*768	56.676	70.069
13	1026*768	58.038	71.918
16	1026*768	60.023	75.029
15	1280*1026	66.000	60.000
16	1280*1026	80.000	75.000

FCC compliance

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.

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 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 to 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.

WARNING: Any unauthorized modification to this equipment could result in the revocation of the authorization to operate the equipment and void the product warranty.