Introduction

Thank you for purchasing the ADI LCD monitor. This MicroScan 5L/MicroScan 6L monitor combines a TFT (thin film transistor) liquid crystal display panel structure and a built-in backlight with inverter for a better picture quality. It is designed to meet the needs of users for performance, consistency, and outstanding image quality through a streamlined development process in which wall-mount functionality provides a variety of capability.

Features

- Both the 14-inch (MicroScan 5L) and 15-inch (MicroScan 6L) TFT active matrix color liquid crystal displays have a XGA resolution of 1024 x 768 pixels with 256K color.
- Viewing angle is 120 degree horizontal and 110 degree vertical.
- Capable to hang on the wall.
- The panel stand enables the panel to move vertical viewing angle ranging from -5° to 15°.
- The VESA DPMS-compliant power-saving feature automatically powers down the monitor after a user-defined period of inactivity.
- Multi-scan functions of XGA 1024 x 768, SVGA 800 x 600, VGA 640 x 480, 720 x 400, 640 x 350, Macintosh 640 x 480, 832 x 624 and 1024 x 768 for a higher level of graphics performance.
- An optional accessory of USB hub with 4 downstream ports and 1 upstream port allows to connect multiple device link-ups.
- OSD controls allow on-screen adjustments of Auto Adjust, Brightness, Contrast, Color, H-position, V-position, Clock, OSD Position, Languages and Factory Preset.
- Compliant with stringent TCO95 for safety and ergonomics.
- Auto adjusting clock phase
- Recommended resolution 1024 x 768

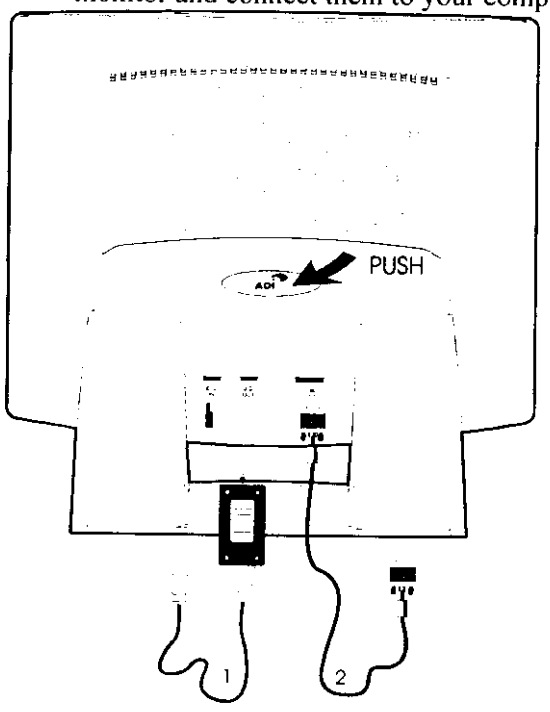
Checking the package contents

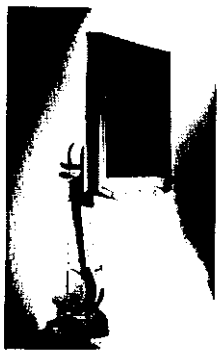
Make sure the following items are included in the package. If any thing is missing or damaged, contact your local supplier:

1. MicroScan 5L/6L LCD monitor
2. Video cable
3. 12V DC adapter
4. Mount plate
5. Four screws (2 sets)
6. User's manual
7. Auto Training floppy disk

Connection to the mains

Install the ports in connector compartments in the rear edge of the monitor and connect them to your computer or multimedia accessories.





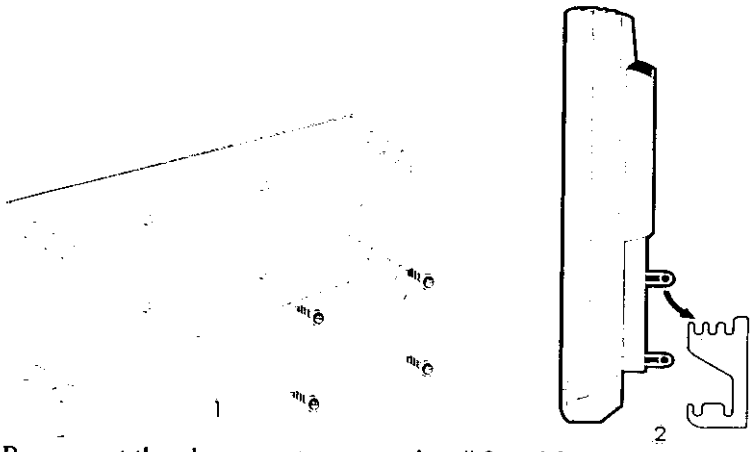
The arm stand. See ***Note.***

1. Turn off the power of your computer and other devices.
2. Attach the 12V DC adapter ① to DC IN of the back panel and then the other end to a grounded power outlet.
3. Connect the video signal cable ② to the 15-pin connector of the video port in your computer as well as your monitor.
4. Connect the USB cable to DC OUT. USB hub is an optional accessory and is sold separately.
5. Turn on the monitor and computer.

Note: The arm stand, a VESA standard product, for flat panel monitor is sold separately and manufactured by particular suppliers.

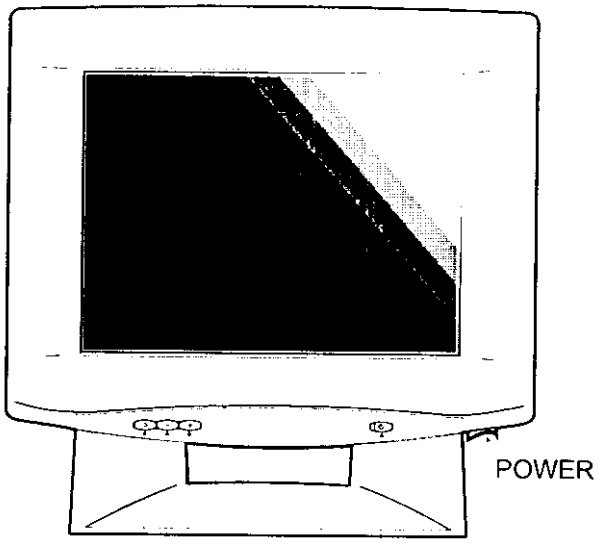
For wall-mount

1. Make sure that the power is switched off.
2. Unplug all the devices and connectors.
3. Push the buckle of the ADI logo located at the back of the monitor stand and carefully lift the panel up with two hands.
4. Screw the mount plate ① to the wall, and place the back panel of the monitor ② on the mount plate for wall mount position. Please make sure that the four bars are nicely placed on the mount plate. If necessary, for different panel angles, adjust the bars to different slots accordingly. There will be four wall-mount panel angles, -5°, vertical, 7.5° and 15°.



5. Reconnect the above ports connection # 2 and 3 or 4.

Location of Controls



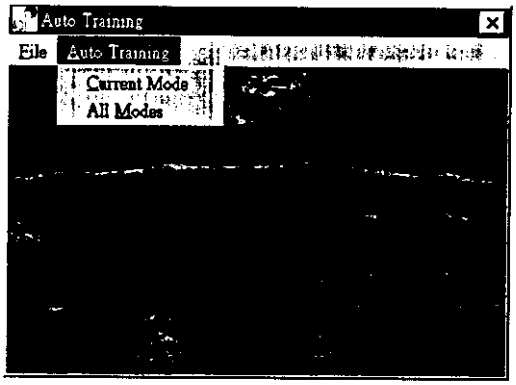
1 2 3 4

	Function keys	Description
①	**Menu**	1. Activates the OSD on-screen display menu. 2. Selects a parameter for adjustment. 3. Save the adjustment and return to the Main Menu.
②	-	1. Activates the OSD on-screen display menu. 2. Scrolls down the highlight bar and decreases the value of a parameter.
③	+	1. Activates the OSD on-screen display menu. 2. Scrolls up the highlight bar and increases the value of a parameter.
④	**Power stand-by**	With the main POWER on, you may switch the power ON/OFF to stand-by mode.
	Main POWER	locates at the lower right button of the panel.

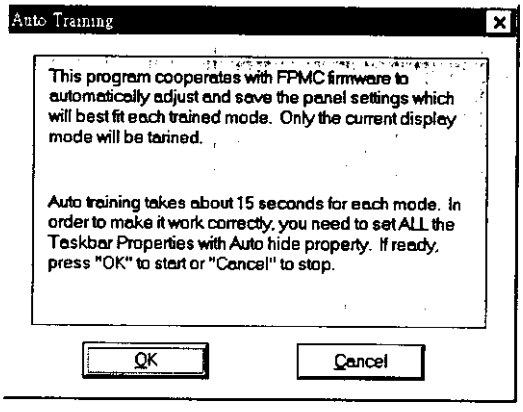
Auto Training Software Setup

This application is for better quality of screen image and centering. It is designed particularly for Auto Adjust and Auto Balance of the LCD monitor screen. It also compatible with WIN95/98, Windows NT. Please be aware that if Auto Training is executed, the previous settings of OSD adjustments will be erased and saved as the calculated settings of Auto Training.

Insert the Auto Training floppy disk to your PC. Run the file AutoTran.exe and select **Auto Training** to run the application.

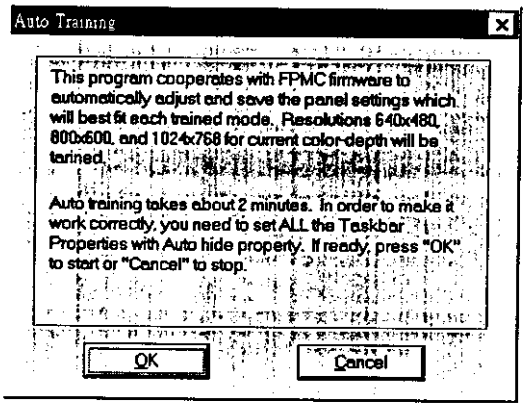


(1) Select Current Mode will Auto Training adjust only the current mode of your monitor resolution.



(2) Select All Modes will the Auto Training program adjust all modes. In this case, the monitor contains 10 modes. It will take a few minutes to adjust all modes.

Modes		
1024 x 768 @ 60Hz	800 x 600 @ 56Hz	640 x 480 @ 60Hz
1024 x 768 @ 70Hz	800 x 600 @ 60Hz	640 x 480 @ 72Hz
1024 x 768 @ 75Hz	800 x 600 @ 72Hz	640 x 480 @ 75Hz
	800 x 600 @ 75Hz	



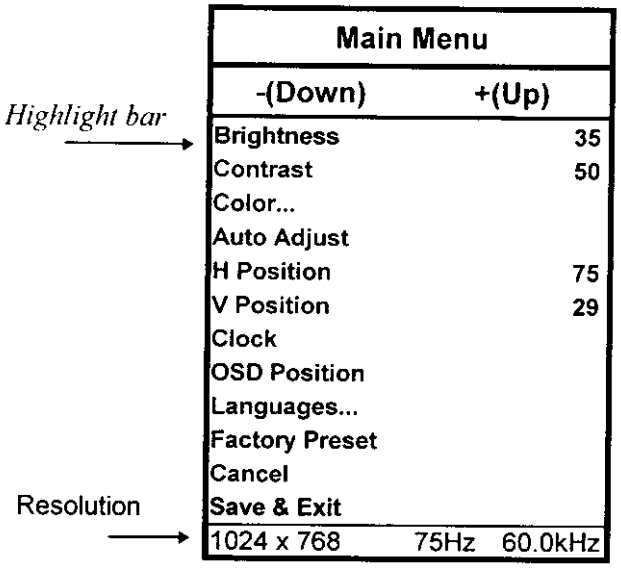
OSD (On-Screen Display) Adjustment Controls

Step 1: Press Menu key or <+> or <-> key to activate OSD on-screen display.

Step 2: Press <+> or <-> key to scroll the highlight bar up or down the Main Menu.

Step 3: Press Menu key to enter into the secondary menu.

OSD menu will be nullified after 30 seconds of user-defined inactive period.



The color of the highlight bar indicates the status of the mode.
PINK indicates the function is selected and ready to be adjusted.
RED indicates OSD is in parameter adjusting mode.

Function	Description
Brightness	Adjusts the overall image and background brightness level.
Contrast	Adjusts the image brightness in relation to the background.
Color	Adjusts parameters for the screen colors of Red, Green and Blue.
Auto Adjust	Automatically sets the H Position, V Position and Clock.
Horizontal Position	Moves the screen horizontally left or right.
Vertical Position	Moves the screen vertically upwards or downwards.
Clock	Adjusts the function only when characteristics are blurred.
OSD Position	Displays the OSD to your preference position.
Languages	Selects English, French, Italian, German and Spanish for OSD language display on your own preference.

Factory Preset	Resets the monitor to default or factory settings.
Cancel	Quits without saving the adjustments and leaves the OSD menu.
Save and Exit	Saves the adjustments and quits the OSD menu.

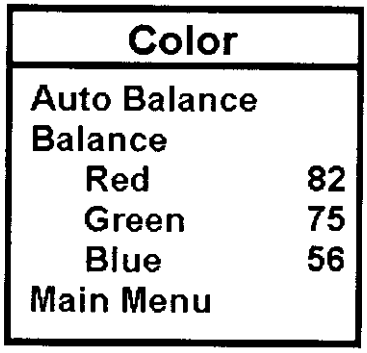
The bottom line of the OSD shows the current resolution of the monitor and status of Vertical sync. If it shows unsupported mode, please refer to the monitor Preset mode.

Secondary Menu Settings:

Brightness: Use <+> or <-> key to increase or decrease the numerical level of brightness of the screen.

Contrast: Use <+> or <-> key to increase or decrease the numerical level of contrast of the screen.

Color: Use <+> or <-> key to scroll the highlight bar up or down the Color menu.



Below is the description of items in Color menu:

Function	Description
Auto Balance	It will automatically adjust the contrast level of RGB and does not support resolution of Mac 832 x 624 at 70Hz.
Balance (R-G-B)	Adjusts the values of RGB proportionally.

R	Adjusts the level of color Red.
G	Adjusts the level of color Green.
B	Adjusts the level of color Blue.
Main Menu	Returns to Main Menu.

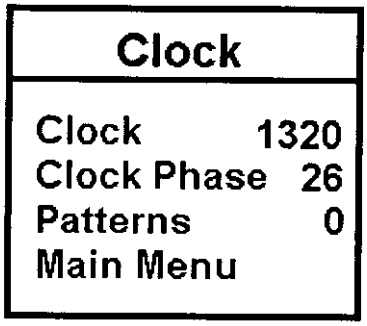
Notes: The parameter of RGB varies depend upon the video mode you are using.

Auto Adjust: Use <+> or <-> key to automatically set H Position, V Position, Clock, Clock Phase and Contrast.

Horizontal Position: Use <+> or <-> key to increase or decrease the data by moving the screen to the right or to the left.

Vertical Position: Use <+> or <-> key to increase or decrease the data by moving the screen up or down.

Clock: Use <+> or <-> key to scroll the highlight bar up or down the Clock menu.



Function	Description
Clock	Adjusts the function only when characteristics are blurred.
Clock Phase	Adjusts ADC sampling clock phase.

Patterns	Displays the built-in test patterns. These are for factory testing only.
Main Menu	Returns to Main Menu.

Factory Preset: All parameter settings will be reset to factory preset values.

Languages: Press <+> or <-> key to move the highlight bar up and down the menu and choose a language by pressing <Menu> key. Upon the selection, the OSDs will be displayed in that language. The languages include English, French, Italian, Deutsch and Spanish.

OSD Position: Press <Menu> key to switch the OSD to the position you choose from nine choices of on-screen menu positions.

Cancel: Exits without saving the changes.

Save & Exit: When Save and Exit is selected, any changes will be saved and then exit the OSD.

Power Consumption

The monitor comes with a power saving feature that controls the power consumption of the monitor; therefore, you may put the monitor into a reduced power consumption state when it is not in use. This feature complies with both EPA's Energy Star requirements and European NUTEK/TCO's power management guidelines. It conforms with Video Electronics Standard Association (VESA) approved DPMS power-down signaling method. This monitor automatically cuts down power consumption of monitor set when not detecting Hsync or Vsync signals. This feature is for VESA DPMS compliant.

Input	Voltage	Power consumption (Watts)
110 V	Normal	< 32.4 W (110 VAC)
	Power saving	< 2.2 W (110 VAC)
220 V	Normal	< 34.2 W (220 VAC)
	Power saving	< 3.4 W (220 VAC)

Display Mode Support

The monitor contains 15 preset modes as follow:

Resolution	Pixel Freq. (MHz)	Horizontal Freq. (kHz)	Vertical Freq. (Hz)	Standard
640 x 350	25	31.25	70	VGA
720 x 400	28	31.25	70	VGA
640 x 480	25	37.50	60	VGA/VESA
	30.24	35.00	67	Mac
	31.5	37.90	72	VESA

640 x 480	31.5	37.50	75	VESA
800 x 600	36.0	35.20	56	VESA
	40.0	37.90	60	VESA
	50.0	48.10	72	VESA
	49.5	46.70	75	VESA
832 x 624	57.29	49.80	74.6	Mac
1024 x 768	65.0	48.40	60	VESA
	75.0	56.50	70	VESA
	78.8	60.00	75	VESA/CRUS
	80	60.24	75	Mac

Specifications

	MicroScan 5L	MicroScan 6L
Picture panel	14-inch diagonal viewable screen	15-inch diagonal viewable screen
	TFT (thin film transistor) active matrix, color liquid crystal display, RGB interface	
Resolution	XGA 1024 x 768	
Display area (H x V)	285 mm x 214 mm	304 mm x 228 mm
View angle	110° (V) 120° (H)	
Input signals	Horizontal: 31.25 to 60.0 kHz	
	Vertical: 56 to 75 Hz	
	Video: 0.7 Vp-p	
	Sync: TTL level	
Max. video input bandwidth	80 MHz	
Display color	262 K	
Signal system	Analog RGB signals	
Luminance	170cd/m^2 (typ.)	200 cd/m^2 (typ.)
Contrast ratio	150 : 1 (min.)	
Response time	20ms (typ.)	

Front panel controls	Menu, - (decrease/down), + (increase/up), POWER standby
OSD menu controls	Auto Adjust, Brightness, Contrast, Color, H Position, V Position, Clock, OSD Position, Languages, Factory Preset, Cancel, Save and Exit
Input connectors	15-pin D-sub Type DC 12V 3.5A IN, USB hub 5V 2A input
Power source	90 -240 VAC
Power consumption	35 watts (max.)
Power saving	VESA DPMS standard EPA/Energy Star compliant
PnP compatibility	VESA DDC 2B standards compliant
USB hub (option)	Locally powered hub with 4 downstream ports and 1 upstream port
Safety standards	UL, CSA, TÜV/GS, NORDIC (NEMCO, SEMKO, FIMKO, DEMKO)
EMI	FCC Class B, CISPR 22, VCCI CE, BCIQ
Ergonomics	ZH 1/618, ISO9241-3, TCO95

Dimension (H x W x D)	410mm x 429.4mm x 213.9mm	
Net weight	5.3 kg	5.4 kg
Operating Temperature	10°C to 40°C	
Storage Temperature	-20°C to 60°C	

** Dependent on video controller/ card used*

NOTICE:

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