

Introduction

Thank you for purchasing the ADI LCD monitor. This MicroScan 5T/MicroScan 6T 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 pivoting functionality provides a variety of capability.

Features

- Both the 14-inch (MicroScan 5T) and 15-inch (MicroScan 6T) TFT active matrix color liquid crystal displays have a XGA resolution of 1024 x 768 pixels with full-color.
- Plug and Play functionality automatically adjusts the monitor to its optimum performance.
- Viewing angle is approximately 110 degree horizontal and 120 degree vertical.
- The VESA DPMS-compliant power-saving feature automatically powers down the monitor after a user-defined period of inactivity.
- Analog RGB signals, Synchronous signals (Hsync, Vsync).
- Multi-scan functions of XGA 1024 x 768, SVGA 800 x 600, VGA 640 x 480, VGA-Text 720 x 400, 640 x 300 and 640 x 350 for a higher level of graphics performance.
- Pivoting capability enables the monitor to rotate 90 degrees.
- A built-in microphone and speakers feature to complete audio system.
- A built-in USB hub with 4 downstream ports and 1 upstream port allows to connect multiple device link-ups.
- OSM controls allow on-screen adjustments of brightness, contrast, H-position, V-position, H-size, Phase, Center/Expand, Factory defaults, 5 languages, OSM position, OSM turn off time, and Exit.
- Compliant with stringent TCO95 for safety and ergonomics.

Federal Communications Commission (FCC) Statement

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.

Warning:

Use only shielded cables to connect I/O devices to this equipment.
You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

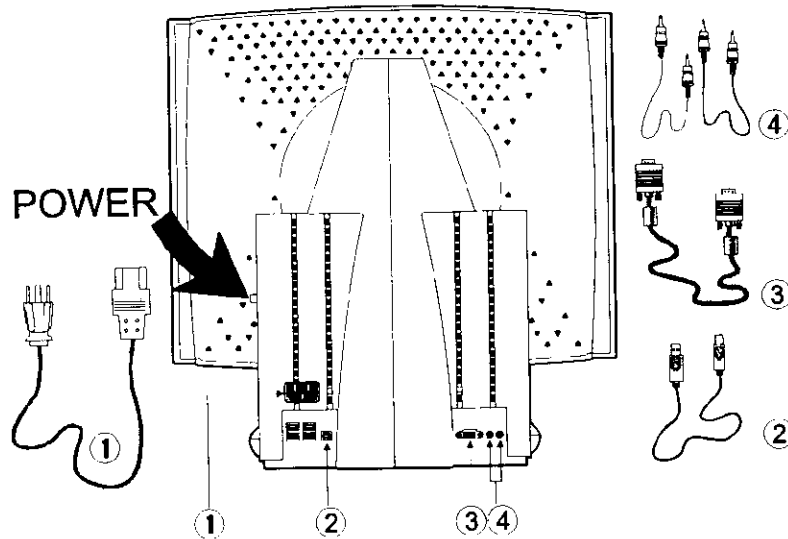
Checking the package contents

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

1. MicroScan 5T/6T LCD monitor
2. Power cord
3. Video cable
4. Audio cables(x 2)
5. USB cable
6. WinPortrait software driver

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.



1. Turn off the power of your computer and other devices.
2. Connect the video signal cable ③ to the 15-pin connector of the video port in your computer as well as your monitor.
3. With the monitor switched off, attach the power cord ① to the monitor and then to a grounded power outlet.
4. Connect the audio cables ④ one end to the rear of your monitor and the other end to the back of your PC. The LCD monitor comes with a Stereo type audio cable which is only compatible with the Stereo sound card in your system. If your PC does not have a stereo sound card, the integrated microphone of the monitor will not operate a fine tone as it should be. A mono adapter is necessary to be plugged into the end of audio cable connecting to your PC. In that case, you will get a complete mono audio system. Otherwise, it is recommended to install a stereo type sound card into your PC.
5. Connect USB cable ② to the corresponding icon and the other end to your PC.
6. Turn on the monitor and computer.
7. If necessary, adjust the front panel controls accordingly to your personal preference.

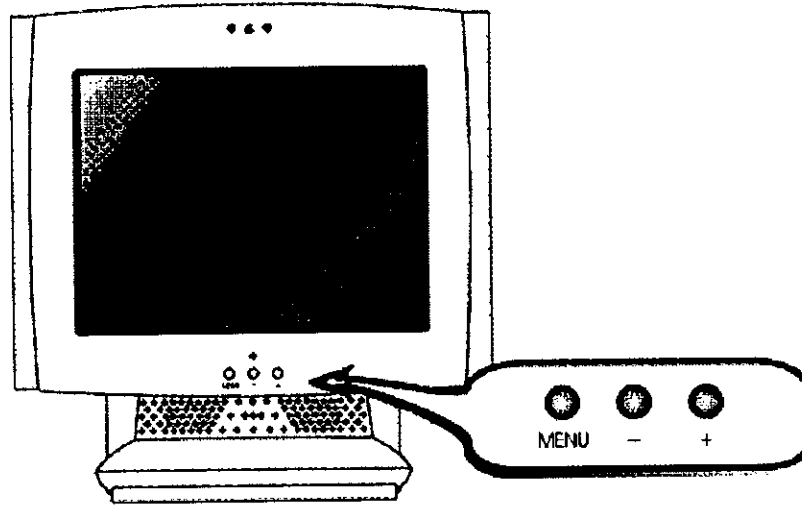
WinPortrait Software Setup

You must install the software driver that comes with your MicroScan 5T/6T LCD monitor for monitor landscape and portrait orientation.

The MicroScan 5T/6T monitor will be compatible to selected graphics cards. If you find trouble with installation, please notice your local dealer or simply get on web for update information at <http://www.portrait.com/> or download driver at ADI's website www.adi.com.tw.

To rotate the front panel, you must first click on the WinPortrait icon located at the System Menu Start bar to activate the software, lift the panel up to its maximum position and then turn the panel gently clockwise to portrait position.

Location of Controls

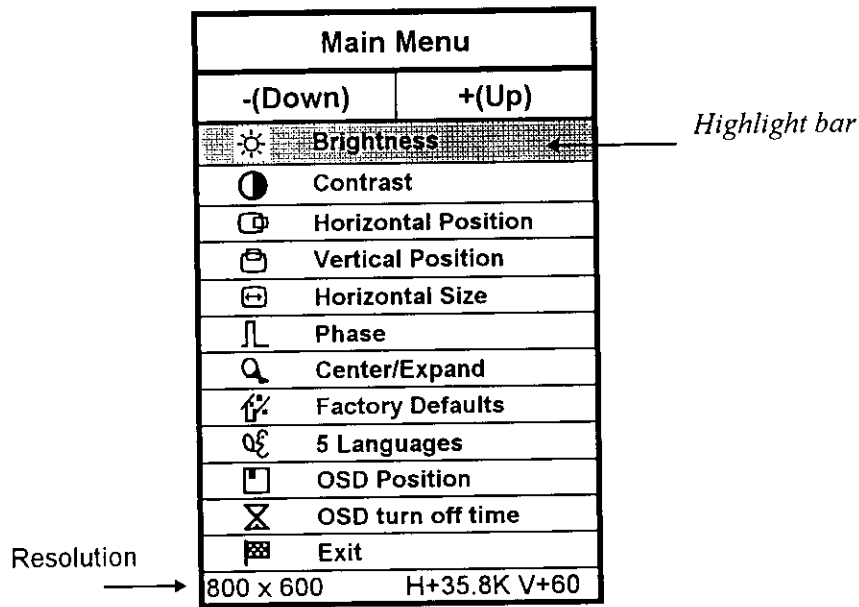


Function keys	Description
Menu	<ol style="list-style-type: none">1. Activates the OSM™ on-screen display menu.2. Selects a parameter for adjustment.3. Save the adjustment and return to the Main Menu.
-	Scrolls down the highlight bar and decreases the value of a parameter.
+	Scrolls up the highlight bar and increases the value of a parameter.

















The microphone is located above the screen on the panel. The stereo speakers are located to the monitor stand, below the panel. You may connect an external microphone or speakers to your MicroScan 5T/6T and simultaneously enjoy the sound system on the built-in and external audio systems.

OSM (On-Screen Menu) Adjustment Controls

- Step 1:** Press Menu key to activate OSM 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.



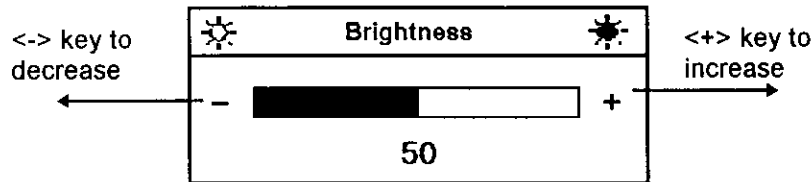
Function	-	+	Description
Brightness	☀	☀	Adjusts the overall image and background brightness level.
Contrast	●	●	Adjusts the image brightness in relation to the background.
Horizontal Position	◁	▷	Moves the screen horizontally left or right.
Vertical Position	⬆	⬆	Moves the screen vertically upwards or downwards.

Horizontal Size	 	Increases or decreases horizontal width of the screen.
Phase	 	Adjusts VGA H-sync.
Center/Expand	 	Puts the screen in the middle or expands the screen.
Factory Defaults	 	Resets the monitor to default or factory settings.
5 Languages	 	Selects English, French, Italian, German and Spanish for OSM language display on your own preference.
OSM Position	   	Displays the OSM to your preference position.
OSM turn off time	15 30 60 120	The time of the OSM staying on-screen
Exit	 	Quits the OSM.

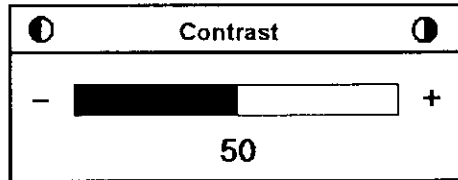
The bottom line of the OSM shows the current resolution of the monitor and status of Horizontal sync and Vertical sync.

To Adjust the Secondary Menu Settings:

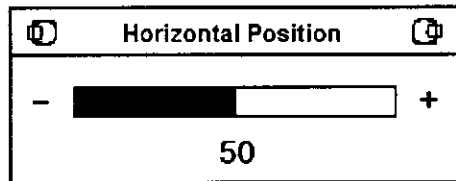
Brightness: Use <+> or <-> key to increase or decrease the parameter of brightness of the screen.



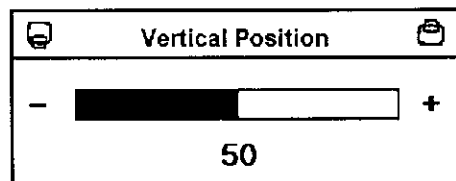
Contrast: Use <+> or <-> key to increase or decrease the parameter of contrast of the screen.



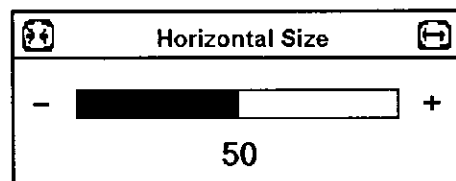
Horizontal Position: Use <+> or <-> key to move the screen to the right or to the left.



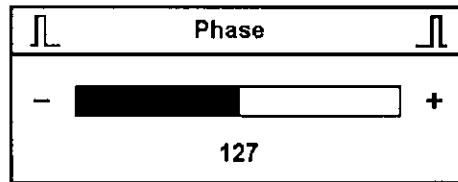
Vertical Position: Use <+> or <-> key to move the screen up or down.



Horizontal Size: Use <+> or <-> key to increase or decrease the size of the screen.

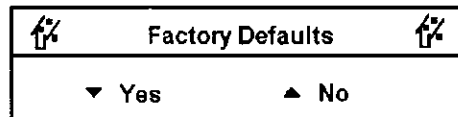


Phase: Use <+> or <-> key to adjust the phase of the screen. The recommended resolution for better quality image is 1024 x 768. Adjust **Phase** to reduce on-screen jitters and blur.

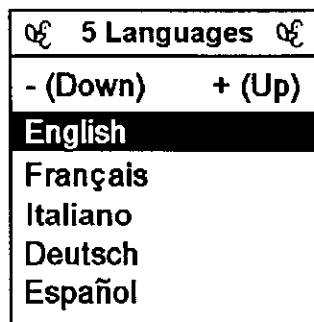


Center/Expand: Press <Menu> key to switch the screen center or Expand. The default setting is Expand.






Factory Defaults: Press <+> or <-> key to confirm (Yes) or cancel (No) for factory reset. If you choose Yes, all parameter settings will be reset to factory preset values. The default setting is No.





5 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 OSMs will be displayed in that language.



OSM Position: Press <+> or <-> key to move the highlight block to following four choices of On-Screen Menu position. Press <Menu> key to switch the OSM to the position you choose.

	OSM Position		
			

OSM turn off time: Adjusts the OSM on-screen staying time. The maximum on-screen duration is 120 seconds.

	OSM turn off time	
15	30 60	120 secs

Exit: Quits the OSM.

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	40 W (120 VAC)
	Power saving	3.9 W (122.5 VAC)
220 V	Normal	40 W (220 VAC)
	Power saving	5.4 W (232 VAC)

Preset Mode

The monitor contains 14 preset modes as follow:

Resolution	Dot-Clock Frequency (MHz)	H-sync (kHz)	V-sync (Hz)
640 x 300	31.50	37.9	85
640 x 350	31.50	37.9	85
640 x 480	25.18	31.5	60
640 x 480	31.50	31.5	75
640 x 480	31.50	37.9	72
640 x 480	36.00	43.3	85
720 x 400	35.50	37.9	85

800 x 600	36.00	35.1	56
800 x 600	40.00	37.9	60
800 x 600	49.5	46.9	75
800 x 600	50.00	48.1	72
800 x 600	56.25	53.7	85
1024 x 768	65.00	48.4	60
1024 x 768	75.00	56.5	70

Specifications

	MicroScan 5T	MicroScan 6T
Picture panel	13.5-inch diagonal viewable screen	14.1-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: 31.5 to 56.5 kHz	
	Vertical: 56 to 85 Hz	
Max. video input bandwidth	75 MHz	
Display color	262 K (16M types of colors)	
Signal system	Analog RGB signals	
Luminance	200 cd/m ² (typ.)	
Contrast ratio	150 : 1 (typ.)	200 : 1 (typ.)
Response time	40ms (typ.)	
Front panel controls	Menu, - (decrease/down), + (increase/up)	

OSD menu controls	Brightness, Contrast, H-Position, V-Position, H-Size, Phase, Center/Expand, Factory Defaults, 5 Language, OSM Position, OSM Turn Off Time, Exit
Input connectors	15-pin D-sub Type Speaker / Microphone jack, AC IN, USB hub
Multimedia speaker set	Audio output: 1.5W x 2
Power source	90 -240 VAC
Power consumption	40 watts
Power saving	VESA DPMS standard EPA/Energy Star compliant
PnP compatibility	VESA DDC 2B standards compliant
USB hub	Built-in at the rear panel 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
EMC	CE, BCIQ, RFS43
Ergonomics	ZH 1/618, ISO9241-3, TCO95

Dimension (H x V x D)	347.5 x 251 x 20mm	368.5 x 275.5 x 20mm
Net weight	5.6 kg	6 kg

** Dependent on video controller/ card used*

NOTICE:

DUE TO OUR POLICY OF CONTINUOUS PRODUCT IMPROVEMENT, THE ABOVE SPECIFICATIONS ARE SUBJECTED TO CHANGE WITHOUT NOTICE. ADI CORPORATION SHALL NOT BE LIABLE FOR TECHNICAL OR EDITORIAL ERRORS OR OMISSIONS CONTAINED HEREIN; NOR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER RESULTING FROM FURNISHING, PERFORMANCE OR USE OF THIS MATERIAL.