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 256K color.
- Viewing angle is approximately 120 degree horizontal and 110 degree vertical.
- The VESA DPMS-compliant power-saving feature automatically powers down the monitor after a 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, 720 x 400 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 Auto Adjust, Brightness, Contrast, Color, H Position, V Position, Clock, OSD Position, Languages, Factory Preset, Cancel, Save and Exit
- Compliant with stringent TCO95 for safety and ergonomics.
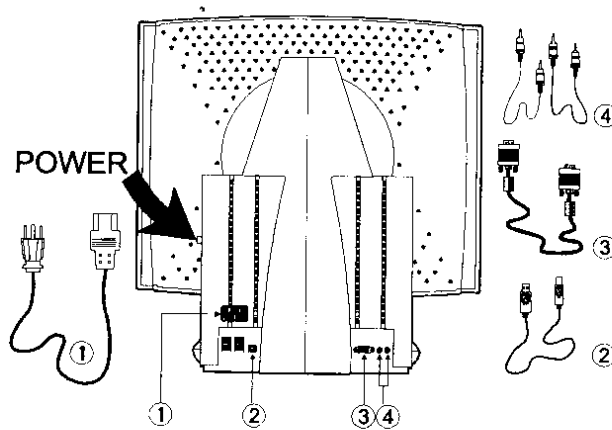
FCC ID : BR8TD-521

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 mono microphone 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 mono microphone 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 Installation Guide

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

Set-up steps

1. Insert the disk labeled WinPortrait to the floppy drive on your PC.

2. Click on START button at the System Menu Start bar while you are in the Windows environment and choose <RUN>.

3. The RUN dialog box should now appear on the screen. At the prompt, type the following:

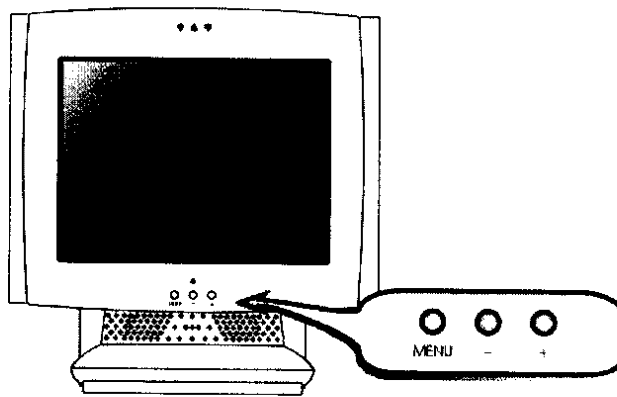   ◆ A:\Disk 1 (A: your floppy drive), and then press <Enter>.

4. Create a folder name to be saved for WinPortrait software in hard drive. And press <Unzip>.

5. Repeat step 3 and 4 for Disk 2 and Disk 3 installation. Use <Browse> to look for Disk 2 and Disk 3.

6. Go to Program Manager and find the folder name where you saved WinPortrait as. Inside the folder, open Win95 and click on Setup.

7. The WinPortrait Setup Menu dialog box should now be shown on the screen.

8. Click on <Install> button for installation and click <Exit> to quit the WinPortrait Setup Menu dialog box.

9. Then You will be asked to restart your computer. Click <OK> to restart your PC. You have to restart the computer in order to initialize WinPortrait. Otherwise, Windows will not activate WinPortrait software until the next time your start Windows.

NOTE: You must have a Windows 3.1, NT, Windows 95 or above to operate WinPortrait.

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.

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.

Location of Controls

Function keys	Description
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.
–	1. Activates the OSD on-screen display menu. 2. Scrolls down the highlight bar and decreases the value of a parameter.
+	1. Activates the OSD on-screen display menu. 2. 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.

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.

Brightness	Adjusts the overall image and background brightness level.
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Color	Adjusts parameters for the screen colors of Red, Green and Blue.
Auto Adjust	Automatically sets the H Position, V Position and Clock.
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Secondary Menu Settings:

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

```
┌─────────────────────────┐
│         Color           │
├─────────────────────────┤
│ Auto Balance            │
│ Balance                 │
│      Red          82    │
│      Green        75    │
│      Blue         56    │
│ Main Menu               │
└─────────────────────────┘
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Below is the description of items in Color menu:

Functions	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.

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         ┌─────────────────────────┐
         │        Clock            │
         ├─────────────────────────┤
         │ Clock        1320       │
         │ Clock Phase   26        │
         │ Patterns       0        │
         │ Main Menu               │
         └─────────────────────────┘
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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	40 W (120 VAC)
	Power saving	7 W (122.5 VAC)
220 V	Normal	40 W (220 VAC)
	Power saving	7.2 W (232 VAC)

Preset Mode

The monitor contains 13 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 5T	MicroScan 6T
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: 31.5 to 60 kHz	
	Vertical: 56 to 75 Hz	
Max. video input bandwidth	80 MHz	
Display color	262 K	
Signal system	Analog RGB signals	
Luminance	200 cd/m^2 (typ.)	
Contrast ratio	150 : 1 (min.)	200 : 1 (min.)
Response time	20ms (typ.)	
Front panel controls	Menu, - (decrease/down), + (increase/up)	
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
	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
	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