



On-Line Manual

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The PCI and AGP accelerators have been designed to support the PCI local bus and Accelerated Graphics Port standards. Some computers use proprietary local bus circuitry and therefore may not be fully compatible with the MFR's local bus cards. Although tested successfully in a wide variety of computer systems, the MFR cannot be held responsible for any incompatibilities which may occur between this card and the system configuration you plan to use. We recommend that you check with the dealer or distributor for your computer system before installing your card.

Welcome

ATI's graphics accelerators are the most advanced on the market today. They improve the performance of your system and display exceptional graphics.

Your ATI graphics accelerator comes complete with enhanced drivers and comprehensive award-winning software utilities designed to make you more productive.

And now, by using ATI's products along with Windows 98, you can take advantage of Windows 98's most compelling and innovative features – features such as [multiple displays](#) support, better 3D graphics, and maximized AGP support. For information on additional new Windows 98 features enhanced by ATI products, refer to [Adding ATI-TV](#).



Multiple Display Support in Windows 98

Windows 98 provides support for using more than one display device at a time – you simply install a separate PCI or AGP graphics card for each additional display you intend to use. With multiple displays, you can expand your desktop, run different programs on separate displays, even play some newer games with multiple views. And each display can have a different resolution and color depth!

Note that, under Windows 98, one graphics card is automatically designated by the system as the **primary** graphics card. Each additional graphics card is designated by the system as a **secondary** graphics card. Certain 3D and multimedia features are only available on the **primary** graphics card.



If you are installing more than one graphics card, you need to consider the following:

- If you install both a PCI and an AGP graphics card in the same system, the AGP graphics card will become the secondary graphics card.
- If you install two or more PCI graphics cards in the same system, the primary graphics card is typically the one installed in the PCI slot with the *lowest* number. This is typically the PCI slot *furthest* from the computer's ISA slots. Consult your computer system manual for help in selecting a slot.

The latest information about installing ATI's cards and enhanced drivers for Windows 98 is provided in the Readme file on the ATI Installation CD-ROM.



Other Sources of Information

If you need additional help or require information that is not included in this online manual, see the following sources of information:

Readme File

This file contains the latest information about your ATI graphics accelerator card.

To view the Readme file in MS-DOS

- 1 Insert ATI's Installation CD-ROM into the CD-ROM drive.
- 2 In an MS-DOS window, type **D:** (If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter).
- 3 Type **README**, then press **Enter**.



Online Help

If you require additional information about using ATI's enhanced display drivers, you can refer to ATI's online help, available under Windows 3.1x, Windows 95 and Windows 98. Simply double-click the ATI icon on the taskbar to access the online help.

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- [INSTALLATION](#)



Installation

Installing your graphics accelerator card consists of two easy steps:

- [Placing the card in your computer](#)
- [Installing ATI's Enhanced Drivers](#)





Turn off the power to your system and discharge your body's static electric charge by touching a grounded surface — e.g., the metal surface of the power supply — before performing any hardware procedure.

The manufacturer assumes no liability for any damage, caused directly or indirectly, by improper installation of any components by unauthorized service personnel. If you do not feel comfortable performing the installation, consult a qualified computer technician.

Damage to system components, the accelerator card, and injury to yourself may result if power is applied during installation.



Preparing Your Computer

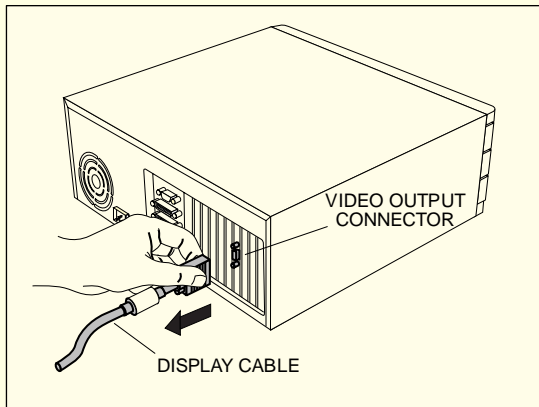
If you are using an operating system other than Windows 95 or Windows 98, you may need to do the following before installing your card:

- If your current system configuration uses special drivers that are not 640x480 VGA, you may encounter conflicts with the card. We recommend that you first reconfigure your operating system to use a **VGA** driver supplied with your operating system before installing the card. For more information about changing your operating system configuration, see your operating system documentation.



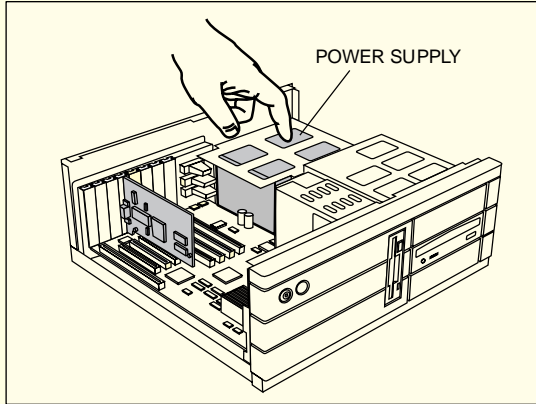
Installing your ATI graphics accelerator card

- 1 Power off the computer and display, then disconnect the display cable from the back of your computer.



- 2 Remove the computer cover. If necessary, consult your computer's manual for help in removing the cover.

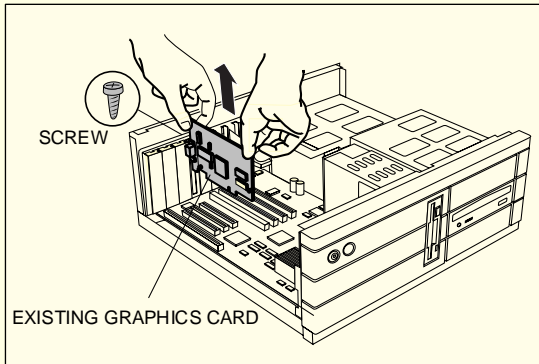
Remember to discharge your body's static electricity by touching the metal surface of the computer chassis.



- 3 If you intend to run **multiple displays** under Windows 98, then proceed to the next page. Otherwise, remove any existing graphics card from your computer.

If the old graphics card sticks, rock it gently from end to end.

Remember to save the screw.



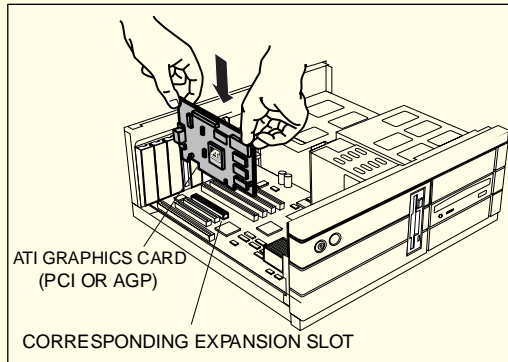
or

If your computer has any on-board graphics capability, you may need to disable it. For more information, see your computer documentation.

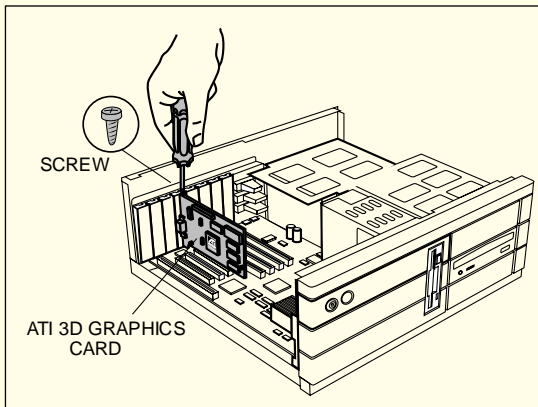


- 4 If necessary, remove the metal cover from the expansion slot that you select (PCI cards use a PCI slot; AGP cards use an AGP slot); then, align your card with the expansion slot and press firmly until the card is fully seated.

Grasp the card by the top edge and carefully seat it firmly into the correct expansion slot (PCI or AGP). Do not force the card – it should fit snugly into the expansion slot.

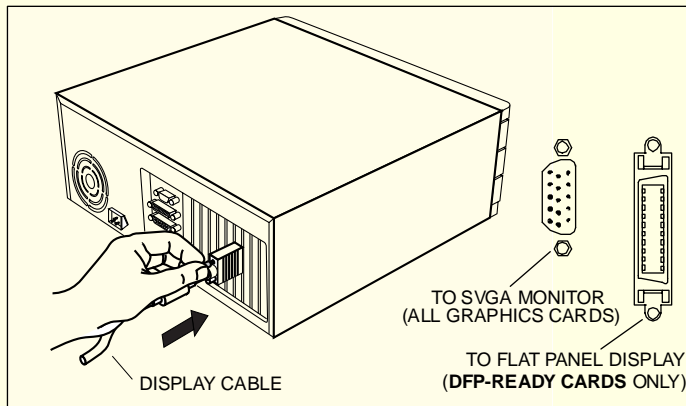


- 5 Replace the screw to fasten the card in place, and replace the computer cover.



- 6 Plug the display cable into your card, then turn on the computer and display device. **For cards with a Digital Flat Panel (DFP) connector,** connect your monitor or flat panel display (or both) to the appropriate connector, as shown.

Make sure your display cable is securely fastened.



You are now ready to install ATI's enhanced drivers.



Installing ATI's Enhanced Drivers

Your computer uses programs called graphics drivers to display information on the screen. ATI's enhanced display drivers give you enhanced speed, resolution, color depth, graphic utilities, and 3D features.

This section explains how you install ATI's enhanced display drivers.

Select an enhanced driver from the following list:

[**WINDOWS 95 / WINDOWS 98**](#)

[**WINDOWS NT**](#)

[**WINDOWS 3.1X**](#)

[**OS/2**](#)

Installing Enhanced Drivers and the ATI PLAYER for Windows 95 and Windows 98

With Windows 95 or Windows 98 running on your computer, you need to install ATI's enhanced drivers to take advantage of your card's higher performance, resolutions, and special features. You can also install the ATI PLAYER—a software multimedia player. The ATI PLAYER provides full-screen MPEG video playback with excellent color quality, plus a host of advanced multimedia features.

To ensure that you install the latest drivers, install the ATI enhanced drivers located on the CD-ROM shipped with your graphics accelerator card, or an applicable driver update. If you have access to the Internet, you can download the latest drivers from ATI's website at **<http://www.atitech.com>**.





When you restart your system following installation of your ATI card, Windows 95 / Windows 98 detects the new hardware and may attempt to install a driver from its system registry. When prompted to “Restart the computer now”, select **NO**. Then follow the normal installation procedure below.

Selecting ‘NO’ for the initial restart prompt is a necessary step since Windows may load an older display driver that is incompatible with your new graphics card. Always use the driver available on the ATI Installation CD-ROM, or an applicable driver update.

All ATI Installation CD-ROMs include a complete set of display drivers and multimedia software. Use the **same** ATI Installation CD-ROM to install the ATI enhanced display driver and the ATI VIDEO PLAYER.



To install the RAGE PRO TURBO enhanced driver and ATI PLAYER for Windows 95 or Windows 98

- 1 Insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.

If Windows runs the CD-ROM automatically, proceed to step 5.

- 2 Click Start.

- 3 Select Run.

- 4 Type the following:

D:\ATISSETUP

(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

- 5 Click on **Easy Install** to begin the Installation Wizard.

- 6 Follow the Wizard's on-screen instructions to complete the installation.



For correct resolution and refresh rate operation, you now need to select a display device. You may also want to change the color palette from 256 colors (the default) to a higher number of colors. For instructions, refer to ATI's online help file. Simply double-click the ATI icon on the taskbar to access the online help.

For more information about using the ATI PLAYER, open the ATI PLAYER online help by clicking on the [?] in the upper-right corner of the PLAYER window.

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Installing Enhanced Drivers for Windows NT

After installing your graphics card, Windows NT will default to standard VGA mode (640 x 480, 16 colors). The procedure below describes how you install ATI's enhanced driver for Windows NT 3.5 and 3.51.

For Windows NT 4.0, see [To install the enhanced driver and ATI PLAYER for Windows NT 4.0.](#)

To install the enhanced driver for Windows NT 3.5 and 3.51

- 1 Boot Windows NT.
- 2 Double-click the Main icon.
- 3 Double-click the Control Panel icon.



- 4 Double-click the Display icon.
- 5 Click Change Display Type.
- 6 Click Change.
- 7 Click Other.
- 8 Insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.
For Windows NT 3.5, type the following:
D:\NT35 (**D** being the letter of your CD-ROM drive)

For Windows NT 3.51, type the following:
D:\NT351 (**D** being the letter of your CD-ROM drive)
- 9 Click OK.
- 10 Select ATI Graphics Accelerators.



- 11 Click Install.
- 12 Click Yes to change your system configuration.
- 13 Click Continue to confirm the full path name.
- 14 After the files have been copied to your computer, click OK.
- 15 Reboot Windows NT.

After reboot, the Invalid Display Settings window appears.

- 16 Click OK.

The Display Settings dialog box appears.

- 17 Select a desired display mode. For more detailed information about changing your display mode, click Help.

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To install the enhanced driver and ATI PLAYER for Windows NT 4.0

- 1 Insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.

If Windows NT runs the CD-ROM automatically, proceed to step 5.

- 2 Click Start.

- 3 Select Run.

- 4 Type the following:

D:\ATISSETUP

(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

- 5 Click on **Easy Install** to begin the Installation Wizard.

- 6 Follow the Wizard's on-screen instructions to complete the installation.

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Installing Enhanced Drivers and the ATI PLAYER for Windows 3.1x

You need to install ATI's enhanced driver to take advantage of your card's higher performance, resolutions, and special features. You can also install the ATI PLAYER—a software multimedia player. The ATI PLAYER provides full-screen MPEG video playback with excellent color quality, plus a host of advanced multimedia features.

To install the ATI enhanced driver for Windows 3.1x

- 1 Insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.
- 2 Pull-down the File menu in the Program Manager.
- 3 Select Run.



4 Type the following:

D:\ATISSETUP

(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

5 Click on Display Drivers.

6 Follow the on-screen instructions to complete the installation.

For correct resolution and refresh rate operation, you need to select a monitor. Please refer to the online help for more information.

To install the ATI PLAYER

1 Insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.

2 Pull-down the File menu in the Program Manager.

3 Select Run.



4 Type the following:

D:\ATISSETUP

(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

5 Click ATI PLAYER.

6 Follow the on-screen instructions to complete the installation.

For more information about the ATI PLAYER, see the online help by clicking on the [?] in the upper-right corner of the PLAYER window.

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Installing Enhanced Drivers for OS/2

To install ATI's enhanced drivers for OS/2 2.1 or OS/2 Warp, use the INSTALL program. This program checks the system for possible conflicts, sets the monitor type, and installs the enhanced display driver.

To run the INSTALL Program

- 1 Start OS/2.
- 2 Check that OS/2 is using a standard VGA driver and no other applications are running. For more information, see your OS/2 documentation.
- 3 Double-click the OS/2 System folder.
- 4 Double-click the Command Prompts folder.



- 5 Double-click the OS/2 Full Screen object.
- 6 Insert ATI's Installation CD-ROM into your CD-ROM drive.
- 7 Type **D:** (If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter).
- 8 Type **CD UTILITY**.
- 9 Type **OS2INST**.
- 10 Select Utilities Installation from the Main Menu.
This copies the utilities onto your hard drive.
- 11 Press ENTER to select the default destination directory.
- 12 When prompted, let the INSTALL program make changes to your Autoexec.bat file.



13 Select QUICK SETUP

*You need to select **QUICK SETUP** to specify a monitor. Proper monitor selection is necessary for correct resolution and refresh rate operation.*

14 Select your monitor from the list.

or

If you do not see your monitor listed, see [Custom Monitor Configuration](#).

After you select a monitor, you are ready to copy the enhanced driver files.



To copy the enhanced driver files

- 1 Select Drivers Installation from the Main Menu.
- 2 Select IBM OS/2 from the list of applications.

Select Read Installation Notes for help and tips.

- 3 Select Install for the correct version of OS/2.
- 4 Press ENTER to select the default destination directory or specify a destination directory for the OS/2 driver files.
- 5 After the files have been copied, press any key.
- 6 Press ESC to exit.

You are now ready to install the enhanced driver for OS/2.



To install the enhanced driver for OS/2

- 1 In the OS/2 full-screen command prompt, type **DSPINSTL**.
- 2 When the Display Driver Install panel appears, select Primary Display. Click OK to bring up the driver selection list.
- 3 Select the latest ATI enhanced driver version from the list, and click OK.
- 4 In the Monitor Configuration Selection Utility, select Install Using Defaults for Monitor Type, then click OK.
- 5 When the source directory panel appears, choose Change and specify the location of the driver. (The default location is C:\MACH_OS2.)
- 6 Click SET.
- 7 Click INSTALL.



- 8 Type **EXIT** to close the OS/2 full screen command prompt.
- 9 Shut down OS/2.
- 10 Restart OS/2. It will default to 640 x 480 in 256 colors. To change screen resolution and/or color depth, see your OS/2 User's Guide.
- 11 Refer to the README64.INF file in the C:\MACH_OS2 directory for configuration details.

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Adding ATI-TV

ATI-TV™ (sold separately) is an intelligent TV tuner add-in board that you connect to your ATI graphics accelerator.

ATI's TV tuner accepts a full range of video/audio input from just about any video source: TV, antenna/cable, VCR, video camera, LaserDisc, and video games.

Note: If you have ATI's **All-In-Wonder** or **All-In-Wonder Pro** multimedia card, you already have a TV tuner and don't require ATI-TV.

You can use ATI's TV tuner to do the following:

- Watch TV on your computer as you work



- Watch a videotape or LaserDisc movie on your computer
- Capture, save, and print TV and video images
- Display and record closed-captioned text

ATI's TV tuner displays cable, broadcast television or full-motion video on the whole screen or in a window.

ATI-TV and Windows 98

By connecting ATI-TV to one of ATI's XPERT graphics cards, you can take advantage of many exciting new features found in Windows 98. (These same features are also enabled with the ALL-IN-WONDER or ALL-IN-WONDER PRO multimedia card.)



New Windows 98 features include:

WebTV[®] for Windows

With Windows 98's new WebTV interface and ATI-TV's advanced TV Tuner capabilities, you can use your Internet connection to instantly download television program information for current and future shows, and navigate interactive programming. If you do not have an Internet connection, you can download the same program information over a cable connection. Never miss your favorite show!

WaveTop[™]

WaveTop delivers "Best of the Web" content to your computer by encoding digital data with standard television signals through your cable or antenna connection to ATI-TV.



Currently, WaveTop broadcasts news, magazine articles, sports scores, stock quotes, and software through PBS's extensive North American broadcast system. You can get all the information you want without paying Internet connection fees!

Interactive Television

Microsoft's inclusion of Intel's Intericast[®] software in Windows 98's WebTV interface marks the convergence of television and the Internet. Intericast and ATI-TV can enhance your TV viewing experience by adding dynamic Web links to regular content. While watching your favorite program, you are directed to related text, still pictures, audio, and video available on the Internet.



NetMeeting 2.1

Windows 98's NetMeeting 2.1 provides high quality videoconferencing over a LAN or the Internet. All you need is a digital camera that supports composite or S-Video out. Plug it into ATI-TV's video input port, and you'll be ready to use your computer as an Internet video-phone!

Please contact your dealer for availability of ATI-TV.

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Memory Upgrades

If you only have 2MB or 4MB of video memory on your card, you may be able to upgrade it by adding a memory module. The additional memory will give you smoother video playback, more colors, and higher screen resolutions. Please consult your display's specification to determine which resolutions are available with your display.





Different SO-DIMM modules *appear* the same but may actually be based on different memory devices. Mixing different types **will cause compatibility problems with your graphics card.**

Upgradable graphics cards are labeled on the back with the correct upgrade module information. Be sure the correct type of module is used for any memory upgrade.

Under Windows 95 or Windows 98, to determine the type and amount of memory you have on your card, do the following:

- 1 Right-click My Computer.
- 2 Click Properties.



- 3 Click the Device Manager tab.
- 4 Click the plus sign to the left of Display adapters.
- 5 Double-click on the name for your ATI graphics card.
- 6 In the dialog box that appears, click Diagnostics.
- 7 Click the Status button.

*The **Video Memory** line displays the type and amount of memory on your ATI graphics card.*

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Troubleshooting

The following troubleshooting tips may help you if you experience problems. Contact your dealer for more advanced troubleshooting information.

Basic Troubleshooting Tips

- Check that the card is seated properly in its expansion slot. For PCI cards, if the problem still exists, try a different PCI expansion slot.
- Ensure the display cable is securely fastened to the card's display connector.
- Make sure that the display and computer are plugged in and receiving power.



- If necessary, disable any built-in graphics capabilities on your motherboard. For more information, see your computer's manual.
- Make sure that you selected the appropriate display device when you installed your enhanced driver.

Windows 95 Troubleshooting Tips

For Windows 95 / Windows 98 troubleshooting tips, right-click the ATI icon in the taskbar and select Troubleshooting.

If you have problems during start-up, load Windows in Safe Mode (refer to the next page).



To load Windows 95 in Safe Mode

- 1 Turn on your computer.
- 2 Press the F8 key when **Starting Windows 95** appears on the screen.
- 3 Select the number for Safe Mode, then press Enter.

To load Windows 98 in Safe Mode

- 1 Turn on your computer.
- 2 Press and hold the CTRL key until the **Microsoft Windows 98 Startup Menu** appears on the screen.
- 3 Select the number for Safe Mode, then press Enter.



Once you have loaded Windows in Safe Mode

- Disable any programs that launch automatically when you start Windows 95 / Windows 98.
- Check that you have the correct display and display driver selected in the Display Properties. For more information, click on Help in the Start menu.
- Check for the existence of memory managers and ensure they are configured properly.
- Refer to additional information in the README file located in the **WIN9x** folder on ATI's Installation CD-ROM.



To remove the **ATI PLAYER**

- 1 Click Start.
- 2 Select Settings.
- 3 Click Control Panel.
- 4 Double-click Add/Remove Programs.
- 5 Select **ATI PLAYER** from the list.
- 6 Click on Add/Remove...
- 7 Click OK.



Windows NT Troubleshooting Tips

- If you are having trouble during start-up, select VGA mode in the Boot Menu.
 - Disable any programs that launch automatically when you start Windows NT.
 - Check that you have the correct monitor and display driver selected.
- Refer to additional information in the README files on the Windows NT driver disk.
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Technical Information

This section contains specifications and reference information about your ATI graphics accelerator.

Select a topic from the following list:

[SPECIFICATIONS AND MODE TABLES](#)

[RUNNING DIAGNOSTICS](#)

[USING VESA BIOS EXTENSIONS](#)

[CUSTOM MONITOR CONFIGURATION](#)

[ATI MULTIMEDIA CHANNEL](#)

[COMPLIANCE INFORMATION](#)

Running Diagnostics

You can run diagnostics to test the hardware on your card. All installed graphics modes can be viewed and tested. You cannot run the diagnostics program inside a Windows DOS Box.

To run the diagnostics program in DOS

- 1 Insert ATI's Installation CD-ROM into your CD-ROM drive.
- 2 Type **D:** (If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter).
- 3 Type **CD UTILITY**.
- 4 Type **M64DIAG**.



5 Select Diagnostics.

6 Type the number of times you would like to run the tests.

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Using VESA BIOS Extensions

The VESA BIOS Extensions (VBE) feature supports software using modes compatible with VESA standards.

To ensure that VBE works correctly, you can load a DOS TSR (terminate-and-stay-resident) program called M64VBE. If your software and/or games conform to the VBE standard, you should load M64VBE first.

You must have ATI's utilities installed on your computer to load M64VBE.

To install ATI's utilities

- 1 Insert ATI's Installation CD-ROM into your CD-ROM drive.



- 2 Type **D:** (If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter).
- 3 Type **CD UTILITY**.
- 4 Type **INSTALL**.
- 5 Select Utilities Installation from the Main Menu.
- 6 Press ENTER to select the default destination directory.
- 7 When prompted, let the INSTALL program make changes to your Autoexec.bat file.
- 8 Press ESC to exit the INSTALL program.
- 9 Restart your computer.

You are now ready to load M64VBE.



To load M64VBE

- 1 At the command prompt, type **M64VBE**.

To remove M64VBE from your system

- 1 At the command prompt, type **M64VBE U**.
 - For more information, see your DOS documentation for conditions on unloading TSRs.

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Custom Monitor Configuration

If you are using the INSTALL program to configure your monitor for OS/2 or VESA programs and your monitor is not in the list, you can do one of the following:

- If the specification in the HELP BOX is compatible with your monitor, select the compatible monitor.
- If your monitor is DDC1 compatible, select DDC1 MONITOR.
- If your monitor is DDC2b compatible, select DDC2b MONITOR.
- If you have a VESA Display Information Format file (VDIF) from the monitor manufacturer, select READ VDIF. Follow the on-screen instructions to complete the installation.



If these options are not applicable to your monitor type, then you must follow the procedure below to manually set up your monitor.

To run the INSTALL program

- 1 Check your monitor's maximum resolution, and horizontal and vertical frequencies for each available resolution. These values should be documented in the monitor's manual.
- 2 Insert ATI's Installation CD-ROM into your CD-ROM drive.
- 3 Type **D:** (If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter).
- 4 Type **CD UTILITY**.
- 5 Type **INSTALL**.



To manually set up your monitor

- 1 Select Quick Setup from the Main Menu.
- 2 Select Custom.



An incorrect Monitor Type setting may damage your monitor. Review your monitor specifications before making a selection from the Monitor Selection Menu.

A scrambled screen indicates your monitor is not capable of the selected display mode. Immediately press ESC to exit.

If the monitor produces a scrambled display, try a lower refresh rate. If it is already at the lowest refresh rate, set that resolution to Not Supported.



- 3 Pick a resolution, and then a refresh rate.
- 4 Adjust the size and position of the box outline on the screen, and press **ENTER** to accept.
- 5 Repeat steps 3 and 4 until you are satisfied with the box outline for all the resolutions.
- 6 When finished, press **ESC** and save the settings.

If you have not installed an enhanced driver on your system, see [Installing ATI's Enhanced Drivers](#).

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ATI Multimedia Channel

The ATI Multimedia Channel (AMC) connects ATI's TV tuner or video capture modules to your graphics card.

While the AMC provides VGA Feature Connector (VFC) compatibility, it also provides enhanced features for new multimedia devices including serial control and provision for audio.



The AMC connector shares the same footprint with the VFC but it adds pins for supporting additional multimedia modes. Great caution should be taken when connecting a ribbon cable to the AMC/VFC connector. Some of the pins carry power and any improper use can result in damage both to the graphics card and the upgrade board.

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Compliance Information

FCC Compliance Information

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

This device may not cause harmful interference, and

This device must accept any interference received, including interference that may cause undesired operation.

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 manufacturer's 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.

The use of shielded cables for connection of the monitor to the graphics card is required to ensure compliance with FCC regulations.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada Compliance Statement

ICES-003 This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe B Respecte toutes les exigences du Règlement sur le matériel brouiller du Canada.



CE Compliance Information

EMC Directive 89/336/EEC and Amendment 92/31/EEC, Class B Digital Device

EN 50081-1, Generic Emissions Standard for Residential, Commercial and Light Industrial Products

(EN 55022/CISPR 22, Limits and Methods of Measurement of Radio Interference Characteristics Information Technology Equipment) *Warning: This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.*

EN 50082-1, Generic Immunity Standard for Residential, Commercial and Light Industrial Products

(IEC 801-2, IEC 801-3, IEC 801-4)

Directive EMC 89/336/CEE et amendement 92/31/CEE, dispositif numérique de Classe B

EN 50081-1, Norme sur les émissions génériques pour les produits domestiques, commerciaux et industriels légers

(EN 55022/CISPR 22, Limites et méthodes de mesure des caractéristiques d'interférences radiophoniques, Matériel des technologies de l'information) *Mise en garde: ceci est un produit de Classe B. Il risque produire des interférences radiophoniques dans un environnement domestique auquel cas l'utilisateur peut se voir demandé de prendre des mesures adéquates.*

EN 50082-1, Norme sur l'immunité générique pour produits domestiques, commerciaux et industriels légers.

(CEI 801-2, CEI 801-3, CEI 801-4)



EMC Richtlinie 89/336/EEC und Änderung 92/31/EEC, Digitales Gerät der Klasse B

EN 50081-1, Allgemeiner Emissions-Standard für Haushalt- und kommerzielle Produkte sowie Erzeugnisse der Leichtindustrie

(EN 55022/CISPR 22, Beschränkungen und Verfahren der Messung von informationstechnischen Ausrüstungen mit Funkstörmerkmalen)

Warnung: Dies ist ein Erzeugnis der Klasse B. Dieses Erzeugnis kann Funkstörungen im Wohnbereich verursachen; in diesem Fall können entsprechende Maßnahmen seitens des Benutzers erforderlich sein.

EN 50082-1. Allgemeiner Unempfindlichkeits-Standard für Haushalt- und kommerzielle Produkte sowie Erzeugnisse der Leichtindustrie

(IEC 801-2, IEC 801-3, IEC 801-4)

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