User's Guide

ATI 3D Rage II+ DVD

PN 109-38800-00

This User's Guide contains important information regarding the installation of your accelerator card. Please read it completely before attempting to install your accelerator card.

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Getting Started...

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.

Using the Online User's Guide

Your graphics accelerator comes with an online User's Guide that describes the extensive features of your graphics card. The Online User's Guide provides reference, specification, and compliance information that is not contained in this paper Guide.

To open the Online User's Guide

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

If Windows 95 runs the ATI INSTALLATION CD-ROM automatically, proceed to step 5.

2 In Windows 95, click Start.

or

In Windows 3.1x, pull-down the File menu in the Program Manager.

3 Select Run.

4 Type the following:

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

5 Click the Online User's Guide icon.

Preparing Your Computer

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.

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

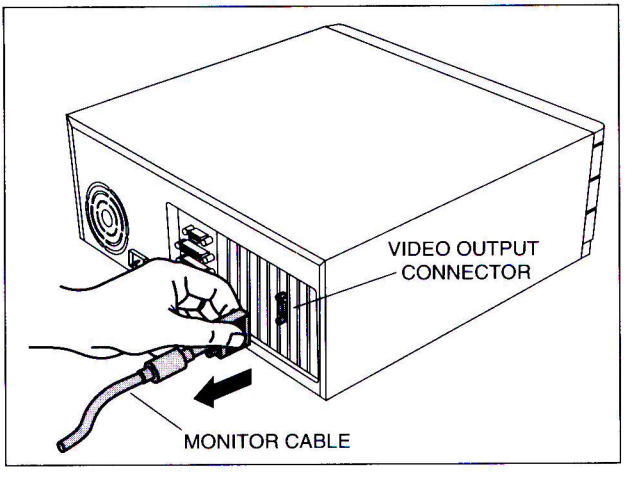
- If your current system configuration uses special drivers that are not 640x480 VGA, you may encounter conflicts with the card. We recommend that you first reconfigure your operating system to use a **VGA** driver supplied with your operating system before installing the card. For more information about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

Installing the Hardware

Now that you have prepared your computer, you are ready to install your graphics accelerator card.

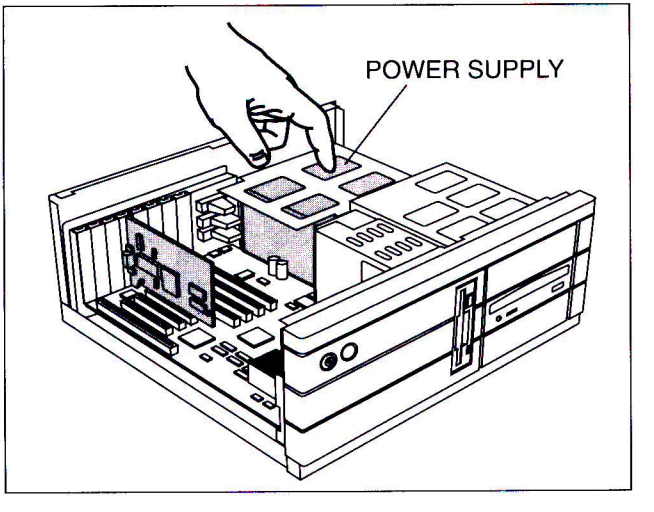
To install your graphics accelerator card

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



2 Remove the computer cover. If necessary, consult your computer system manual about removing the cover.

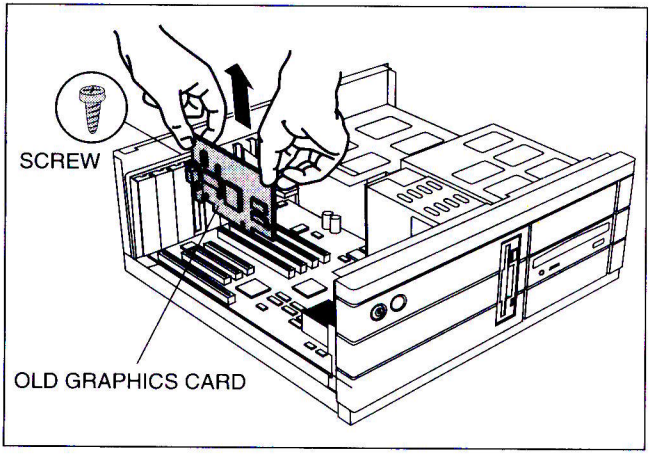
Remember to discharge your body's static electricity by touching the metal surface of the computer chassis.



3 If there is an existing graphics card, remove it from your computer.

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

Remember to save the screw.

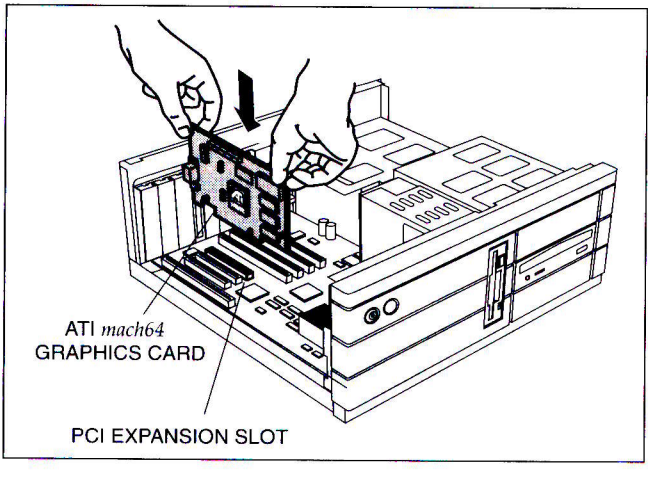


or

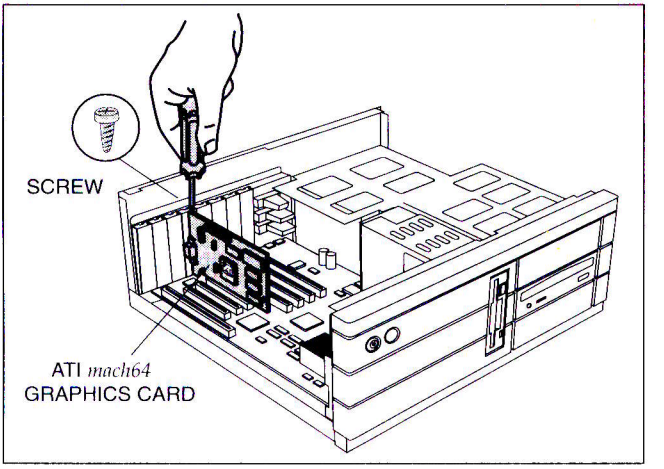
If your computer has any on-board graphics capability, you may need to disable it on the motherboard. For more information, see your computer documentation.

4 Align your card with an empty PCI expansion slot and gently insert it into place. You may need to remove the cover from the rear of the PCI expansion slot that you selected.

Grasp the card by the top edge and carefully seat it firmly into the PCI slot.

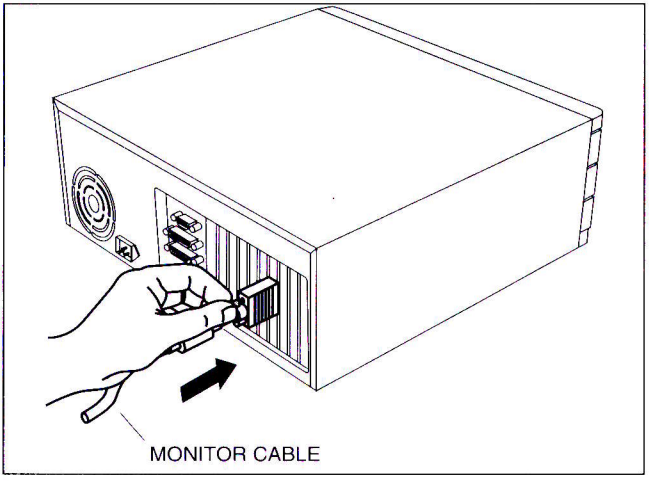


5 Replace the screw to fasten the card in place, and replace the computer cover.



6 Plug the monitor into your card, then turn on the computer and monitor.

Make sure your monitor cable is securely fastened.



You are now ready to install ATI's enhanced drivers. Select an enhanced driver from the following list:

- **Windows 95, see page 10**
- **Windows 3.1x, see page 11**
- **Windows NT, see page 13**
- **OS/2, AutoCAD, or MicroStation, see page 14**

Installing Enhanced Drivers for Windows 95

You need to install ATI's enhanced driver to take advantage of your card's higher performance, resolutions, and special features.

To install the *mach64* enhanced driver for Windows 95

1 If Windows 95 prompts you to insert a disk from the hardware manufacturer, insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.

2 Click OK.

3 Type the following:

D:\WIN95
(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

4 Click OK.

5 Click Yes to restart your computer.

OR

1 If Windows 95 does not prompt you to insert a disk, insert the ATI INSTALLATION CD-ROM into your CD-ROM drive.

If Windows 95 runs the ATI INSTALLATION CD-ROM automatically, proceed to step 5.

2 Click Start.

3 Select Run.

4 Type the following:

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

5 Click on Display Drivers.

6 Follow the online 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.

You are now ready to install the ATI VIDEO PLAYER. For more information, see page 12.

Installing Enhanced Drivers for Windows 3.1x

You need to install ATI's enhanced driver for Windows 3.1x to take advantage of your card's higher performance, resolutions, and special features.

To install the *mach64* 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:\ATISETUP
(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)

5 Click on Display Drivers.

6 Follow the online 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.

You are now ready to install the ATI VIDEO PLAYER. For more information, see page 12.

Installing the ATI VIDEO PLAYER for Windows 95 and Windows 3.1x

Now that you have installed ATI's enhanced driver, you can install the ATI VIDEO PLAYER—a software MPEG player. The ATI VIDEO PLAYER provides full-motion, full-screen MPEG video playback with excellent color quality.

You must install ATI's enhanced driver before installing the ATI VIDEO PLAYER. For the best playback quality, the recommended requirement for the ATI VIDEO PLAYER is a Pentium system.

To install the ATI VIDEO PLAYER for Windows

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

If Windows 95 runs the ATI INSTALLATION CD-ROM automatically, proceed to step 5.

2 In Windows 95, click Start.

or

In Windows 3.1x, pull-down the File menu in the Program Manager.

3 Select Run.

4 Type the following:

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

5 Click ATI VIDEO PLAYER.

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

For more information about using the ATI VIDEO PLAYER, see the online help.

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, 3.51, and 4.0.

To install the enhanced driver for Windows NT

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)

For Windows NT 4.0, type the following:
D:\NT40 (**D** being the letter 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 dialogue box appears.

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

Installing Enhanced Drivers for OS/2, AutoCAD, and MicroStation

Detailed instructions about installing enhanced drivers for OS/2, AutoCAD, or MicroStation are provided in the main README file on the ATI Installation CD-ROM.

To view the README file in DOS

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

2 Type **README**.

Troubleshooting Tips

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

- Check that the card is seated properly in its expansion slot. If the problem still exists, try a different PCI expansion slot.
- Ensure the monitor cable is securely fastened to the card.
- Make sure that the monitor and computer are plugged in and receiving power.
- Disable any built-in graphics capabilities on your mainboard. For more information, see your computer documentation.
- Make sure that you selected the appropriate monitor when you installed your enhanced driver.
- For Windows 95, right-click the ATI icon in the taskbar and select Troubleshooting. If you have problems during start-up, load Windows 95 in Safe Mode by pressing the F8 key when "Starting Windows 95" appears on the screen.
- For Windows NT, if you are having trouble during start-up, select the Windows NT Workstation 3.5x [VGA mode] option from 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.

For more Troubleshooting Tips for Windows 3.1x and Windows 95, please see the Online User's Guide.