Chapter 4

ATI® RAGE PRO/ATI® 3D RAGE II+ VGA DRIVER

1. Overview

The ATI® RAGE PRO/ATI® 3D RAGE IIC is a highly integrated graphics controllers. Incorporated within this single chips are the 2D, 3D, and video accelerators, palette DAC, and dual-clock synthesizer. This multi-function integrated controller delivers TV-quality scaled video optimized for MPEG playback, industry-leading mach64 2D performance.

1.1 ATI® RAGE PRO Feature

- Support 2M or 4M SGRAM for 100MHz.
- Support AGP 2X BUS Up to 133MHz.
- Complete 3D primitive support: points, lines, triangles, strips, and quadrilaterals.
- 4KOn-chip Texture Cache.
- 16-bit Z buffer.

1.2 ATI® RAGE II C Feature

- Support 2M or 4M SGRAM for 83MHz.
- Support AGP 1X BUS Up to 66MHz.
- Complete 3D primitive support: points, lines, triangles, lists, strips, and quadrilaterals.
- Hidden surface removal using 16-bit Z-buffering.
- Support for single pass bi-and tri-linear texture filtering.

1.3 System Requirements

This section describes system requirements for the VGA Driver installation and Usage.

Computer	Intel® Pentium® II processor or higher
Monitor	VGA Support, mimimum 640x480 resolution
Operating system	DOS 5.0 or higher, Windows® 95, Windows® NT 3.51 or 4.0, or OS/2®
CD-ROM	Double Speed or Higher
Chipset	ATI® 3D RAGE II C/ATI® RAGE PRO
VGA BIOS	Version 1.01 or Higher

2. ATI® 3D VGA Driver Setup & Usage Procedures

Insert the CD-title into your CD-ROM drive. This CD will auto-run. This will display installation for VGA driver and sound driver. Also included are Norton® Antivirus. Just click the button for automatic installation for VGA driver.

2.1 Windows® 95

If you start Windows 95 this will automatically detect this hardware onboard "OPL2-SA3 Sound Board" and "Gameport Joystick". You need to click "Next", then "Finish" do not click on the "Cancel". The driver need these ID.

2.1-1 Display Driver Installation Procedure:
Step 1: Insert the provided CD_ROM disk into the CD-ROM drive.
Step 2: Look for the CD_ROM drive, double click on the CD_ROM icon. This will show the setup screen.
Step 3: Click on "ATI Installation" icon.
Step 4: This will show an ATI installation menu.
Step 5: Click on "Display Drivers".
Step 6: Click "OK".
Step 7: This will copy the VGA drivers into the hard drive.
Step 8: A message will appear stating you must restart the Windows® 95 system, select **yes** to restart.
Step 9: After restarting, Windows® 95 will show a new display setting.

2.1-2 Changing resolution, color depth, and refresh rate:
Step 1: Click **Start** menu and select **Control Panel** from **Settings** group.
Step 2: Select **Display** icon.
Step 3: Select **Settings**.
Step 4: Select Color Palette to change between 16 color, 256 color, Hi color, or True color.
Step 5: To select desktop resolution from 640x480, 800x600, 1024x768, and 1280x1024.
Step 6: Select Refresh rate list box to change the screen refresh rate.
Step 7: Click OK or Apply.

2.1-3 ATI Video Player for Windows 95
Step 1: Insert the provided CD_ROM disk into the CD-ROM drive.
Step 2: Look for the CD_ROM drive, double click on the CD_ROM icon. This will show the setup screen.
Step 3: Click on "ATI Installation" icon.
Step 4: This will show an ATI installation menu.
Step 5: Click on "ATI Video Player".
Step 6: This will show "ATI Video Player Setup" icon.
Step 7: Click on "Finish".
Step 8: This will copy the necessary files into the hard drive.
Step 9: After restarting, ATI setup is completed.

Note: Xing Software MPEG is incompatible with Windows® 95.

2.2 Windows® NT 4.0

You need to install Windows® NT "Service Pack", before you install Windows® NT driver.

2.2-1 Display Driver Installation Procedure:

Step 1: Click **Start** menu and select **Control Panel** from **Settings** group.

Step 2: Select **Display** icon.

Step 3: Select **Settings** on the Display Properties.

Step 4: Select **Display Type**.

Step 5: Select **Change** from the **Adapter Type** Area.

Step 6: Select **Have Disk** of Change Display.

Step 7: Insert the **CD-Title Disk** into CD-ROM Drive.

Step 8: When the Install from Disk dialog box appears, look for your CD-ROM drive :**\VGAATI\NT40\ati.inf**.

Step 9: When the **Change Display** dialog box appears, click **OK**.

Step 10: When the Third-party Drivers dialog box appears, click **Yes**
A message will appear stating that the drivers were succesfully installed. Click OK. You must now restart Windows® NT 4.0.

2.2-2 Changing resolution, color depth, and refresh rate:

Step 1: Click **Start** menu and select **Control Panel** from **Settings** group.

Step 2: Select **Display** icon.

Step 3: Select **Settings**.

Step 4: Select Color Palette to change between 16 color, 256 color, 32768 colors, 65536 colors, and 16777216 colors.

Step 5: To select desktop resolution size, go to the Desktop area and use the slide bar to change resolution from 640x480, 800x600, 1024x768, to 1280x1024.

Step 6: Select Test to test the resolution. If the display test screen was good, then select Yes when the Testing Mode dialog box appears. If the display test screen was bad, then select No. Windows® NT will give you an error message.

Step 7: Click OK. If the display test screen wasa good and you select Yes, Windows® NT 4.0 will change the mode without restarting the system.

2.3 AutoCAD, OS/2 and other application. Please refer to "On-Line Manual" in the CD-ROM. You need to install the "Acrobat Reader 3.01" program first.