# P6300 3D GRAPHICS MODULE DRIVER INSTALLATION GUIDE FOR WINDOWS 95/98

*Notebook PC P6300 Series*
Unveils new heights in personal portable computing

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|---|---|
| Product Name: | **P6300 3D Graphics Module** |
| Manual Revision: | **1.00 E271** |
| Release Date: | **September 1998** |

# About ATI Rage LT Pro 3D Graphics Module

ATI's graphics accelerators are the most advanced on the market today. They improve the performance of your notebook 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 – multiple display support, better 3D graphics, and advanced power management system.

The 3D graphics module uses an ATI Rage LT Pro 3D graphics engine and a 4MB SGRAM frame buffer to support LCD screen, CRT monitor, and TV outputs. The built-in Tri-View™ controller allows simultaneous output to LCD, CRT, and TV. The 4MB SGRAM supports resolutions up to 1024 x 768 in 32-bit true color to satisfy all your photo/image processing requirements.

With its new video-out capability, the 3D graphics module display is ideal for playing games, giving presentations, watching movies, and browsing the internet.

To connect your notebook to a television or VCR, attach the S-Video cable from the television (or VCR) to the S-Video output port in the back of the notebook. An S-Video connection produces a higher quality display than composite video, and a growing number of televisions and VCRs offer S-Video capability. To connect to video display devices with composite video input, use the adapter provided.

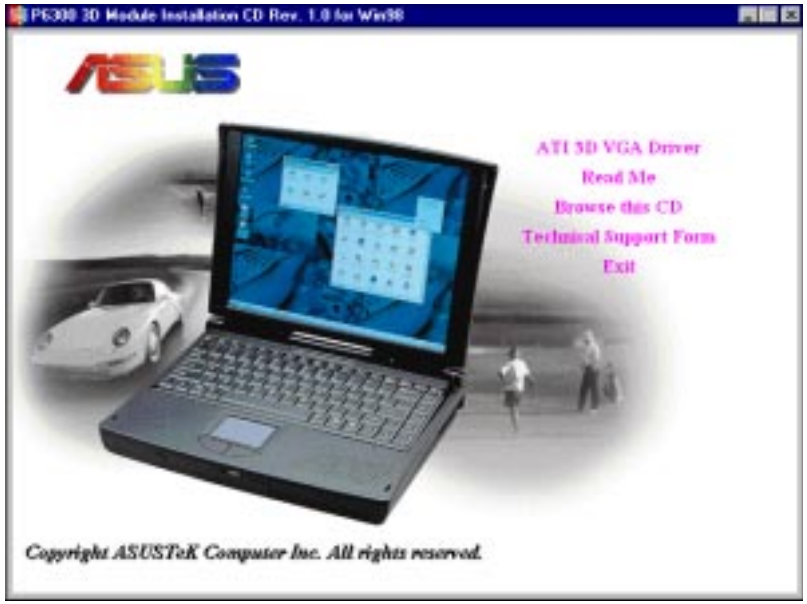
# Video Driver Installation for Windows 95/98

**Updating installation in Windows 95/98:**
**(Using Autorun Screen)**

The ATI driver should have already been installed in your system. However, if you still need to update your ATI VGA driver, follow the steps below:

1. Insert the P6300 3D Module Installation CD (or double-click the CD drive that contains the installation CD in "My Computer" if the CD is already inserted) - The ASUS Windows95 Install Shell appears.
2. Click **ATI 3D VGA Driver**. The ATI Setup window appears.
3. Click **Finish**.

**IMPORTANT:** If your system's graphics driver could not be installed normally, use the following steps.

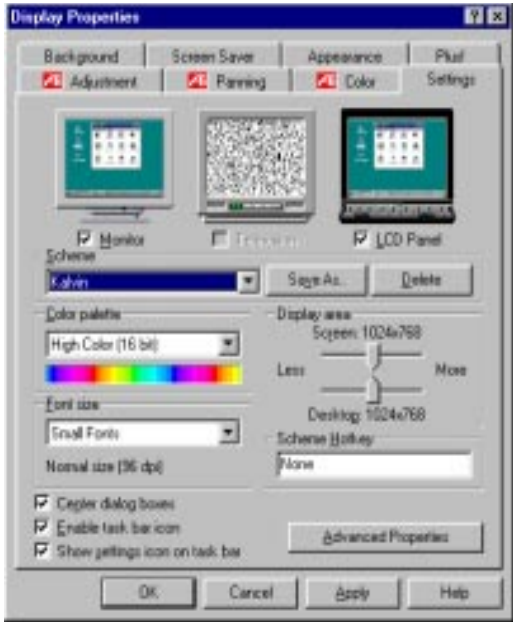



1. Start Windows 95/98 in safe mode by pressing **F5** repeatedly during startup.
2. **Right-click** the desktop (not over any icons) and click **Properties**.
3. Click the **Settings** tab to open the *Settings* dialog box.
4. Click **Advanced Properties** and then click **Change** to open the *Select Device* dialog box.
5. Click **Show all devices** to show the *Manufacturers* and *Models* list boxes.
6. Click **(Standard display types)** and then click **Standard Display Adapter (VGA)** under the *Models* list box..
7. Click **OK** - The *Change Display Type* window appears.
8. Click **Apply** to set the change.
9. Click **OK** to restart your computer in normal mode.
10. Follow the instructions in the previous section (Updating installation in Windows 95/98).

**WARNING:** DO NOT attempt to remove the graphics module yourself as the module may be damaged by electrostatic discharge. Refer servicing to an authorized dealer.

## *Changing Display Settings for an LCD Display*

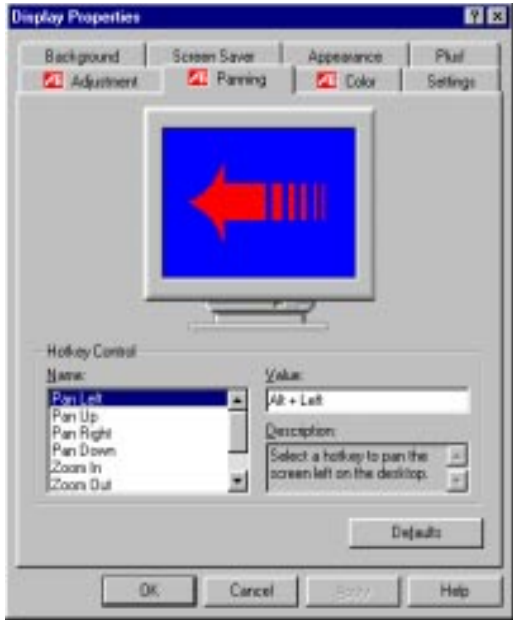
To enter "Display Properties" at any time, right-click on the desktop and select "Properties" or double-click the "Display" icon in the "Control Panel." Click the appropriate tab as follows:




### Settings

This allows you to change your display settings, adjust screen resolution, color depth, virtual desktop, color palette, and font size. The maximum desktop size selectable depends on how much memory you have. The maximum screen size selectable depends on the monitor specified.

If you are not using a DDC1 Plug and Play monitor, only **LCD Panel** will be available as a display output option.




### Panning

This allows you to assign hotkeys in the *Value* box to move your screen up, down, left, right, in, or out in any application. Click **Defaults** to fill in the *Value* box with default values.

This function is available for both LCD and Monitor displays.

### Color

This allows you to adjust the Gamma level for your monitor and color levels for Red, Green, and Blue. You can save your settings by clicking **Save As** and typing in a file name. This allows you to recall previously saved settings. Click **Defaults** to restore all settings to the default.

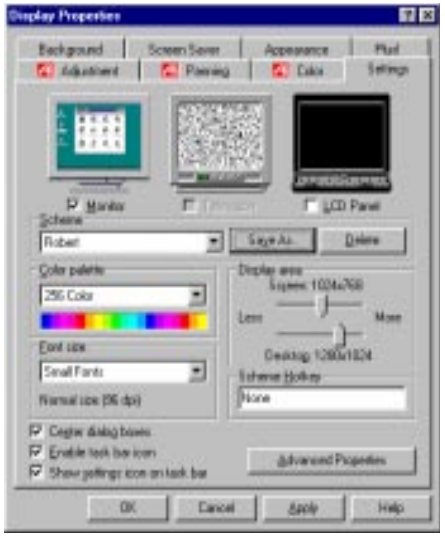
This function is available for both LCD and Monitor displays.

## *Changing Display Settings for a Monitor*

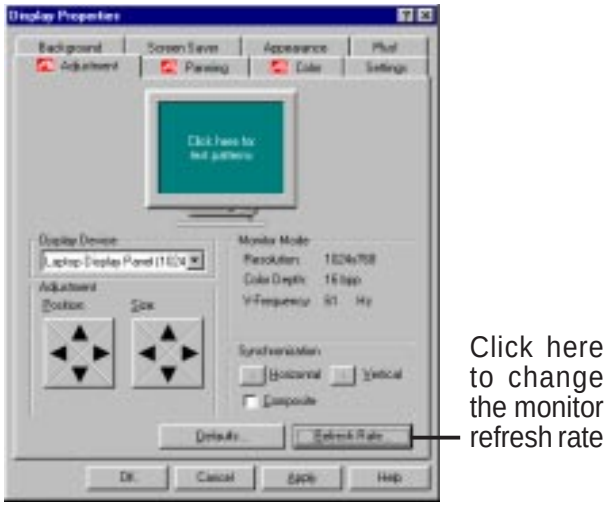
When the notebook is connected to a CRT monitor or projector device, the display settings will be different from that with only an LCD connected.

1. Both the Monitor and LCD Panel options will be available.

2. The LCD Panel option is disabled for resolutions higher than 1024 x 768.

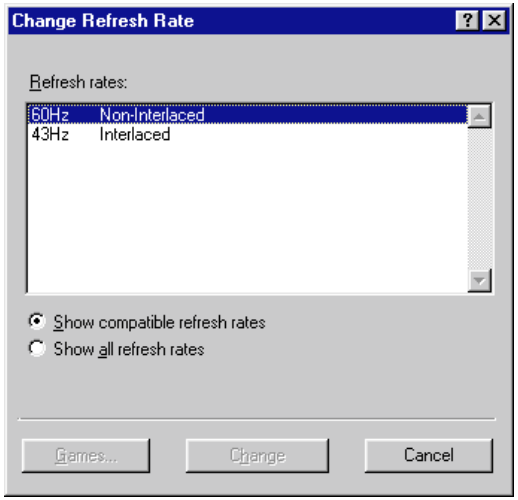



3. The Adjustment feature will work when a CRT monitor is connected and selected as the only display device.




Click here to change the monitor refresh rate

4. To change the monitor refresh rate, click **Refresh Rate**, and then select the desired refresh rate from the *Refresh Rates* list box.



## Monitor and Television Display Issues

**Starting Windows with a Television Display Enabled**

The television screen may become garbled temporarily during the initial Windows 95/98 startup. This is only a temporary effect and your television screen will be restored within a few seconds.

During startup, your graphics devices will go through a sequence of mode settings during which your television display will remain blank. This process will take only a few seconds and helps to program the televison display.

**Using a Monitor vs. Using a Television Display**

Using your television as your computer's display is ideal for playing games, giving presentations, watching movies, and browsing the Internet. The display on your monitor may change or look squashed. This occurs because the display adjusts to fit the dimensions of your television. To correct the monitor's display, use the controls on the monitor to adjust the display size and position.

Some single frequency monitors may not work with television display enabled. If you experience problems with the television display enabled, disable the television display to restore your LCD/CRT monitor's display.

**Adjusting Monitor Display**

The size of the display on your monitor may be smaller and/or not perfectly centered when television display is enabled. These effects are caused by the changes required to provide a proper display on the television.

If you use the Adjustment controls in the Display control panel to resize the display, the television and the monitor will both be resized. To correct the monitor's display only, adjust the display size and position using the controls on the monitor.

**Viewing Text on Television**

Due to the different technology used in the manufacturing of televisions and PC monitors, standard PC text may look too small on your television. You can compensate for this by using larger fonts.

**Reducing Edge Distortion**

When using a television for your notebook's display, you may see some edge distortion on the left and right margins of your television screen. This effect depends on your television and the application you are running.

To reduce edge distortion, you can increase the horizontal size from the ATI Adjustment screen from display properties.

## Supported Resolutions/Colors

| | | |
|---|---|---|
| 1280 x 1024 | 24-bit | (for monitor display only) |
| 1152 x 864 | 32-bit | (for monitor display only) |
| 1024 x 768 | 32-bit | |
| 848 x 480 | 32-bit | |
| 800 x 600 | 32-bit | |
| 720 x 480 | 32-bit | |

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