




Adjustment

To adjust the screen position

- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click one of the four Position arrows in the Adjustment box to change your screen position.

The four Position arrows shift your display left, right, up, or down.

Tip


- Under Size, the up and down arrows increase/decrease the vertical size of your display. The left and right arrows increase/decrease the horizontal size of the display.

{button ,KL(`adjusting')}` Related Topics



Adjustment

To adjust the screen size

- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click one of the four Size arrows in the Adjustment box to change your screen size.
The four Size arrows increase or decrease the vertical and horizontal size of your display.

Tip


- Under Position, the four arrows shift your display left, right, up, or down.

{button ,KL(`adjusting')} Related Topics



Adjustment

To adjust the horizontal and vertical frequencies

- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click the Size arrows in the Adjustment box to change the horizontal and vertical frequencies.
 - Clicking the the left and right arrows increases/decreases the horizontal frequency.
 - Clicking the up and down arrows increases/decreases the vertical frequency.

Note


- The Frequencies box displays the current horizontal and vertical frequencies.

{button ,KL(`adjusting')}} Related Topics



Adjustment

To adjust the synchronization


- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 In the Synchronization box, click the Horizontal or Vertical buttons to toggle synchronization between positive and negative.

{button ,KL(`adjusting')}` Related Topics



Adjustment

To adjust the refresh rate

- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click the Change Refresh... button.
- 4 In the Change Refresh Rates list, choose the refresh rate that you want to use.

Tip

- To display all the refresh rates that the current graphics adapter can use, click Show all refresh rates.


WARNING
Consult your user's manual before adjusting refresh rates. Applying the wrong refresh rate may seriously damage your monitor.

{button ,KL(`adjusting')} Related Topics



Adjustment

To display Test Patterns

- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click the screen icon.


Each time you click the screen icon, one of six different test patterns are displayed.

{button ,KL(`adjusting')}} Related Topics



Adjustment

To reset your display to default or factory settings


- 1 Click here  to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Click the Defaults... button.
- 4 Click one of the following selections:
 - restore the settings that Windows recommends
 - reset the settings to factory defaults

{button ,KL(`adjusting')}` Related Topics



Color

To recall a color correction scheme


- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 In the list in the Scheme area, click the [color correction](#) scheme you want to recall.
The properties on the color correction page are now set to the selected scheme's properties.
- 4 Click either OK or Apply to enable the selected scheme's properties.

{button ,AL(`color`)} Related Topics



Color


To load a new color correction bitmap

- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 Click Load Bitmap...
- 4 To open a bitmap file, enter the filename and click Open, or double-click its icon.

Note

- Only simple bitmap (.bmp) files are supported.

Tips


- To switch back to the previous folder, click  on the toolbar.
- To see the hierarchy of all drives on your computer, click in the Look in box.

{button ,AL(`color`)} Related Topics



Color

To save a color correction scheme


- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 Click Save As...
The Save Scheme dialog box opens.
- 4 Enter the name for your color scheme, then click OK.
The name you select appears in the Scheme list.

{button ,AL(`color`)} Related Topics



Color

To delete a color correction scheme


- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 In the list in the Scheme area, click the scheme you want to delete.
- 4 Click Delete.

{button ,AL(`color`)} Related Topics



Color

To adjust the brightness/contrast of your screen

- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 Under the Target Gamma area, drag the slider right (to increase) or left (to decrease) the brightness/contrast of your screen.

Note


- A value of 1.0 represents a flat (unmodified) setting.

{button ,AL(`color')} Related Topics



Color

To adjust your screen's color

- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 Under the Color area, click the radio button corresponding to the desired [color component](#) (Red, Green or Blue).
- 4 Move the mouse cursor over the control point and click and hold the left mouse button.
- 5 While holding the button down, drag the control point to its new location.

Notes

- Points cannot be dragged past another adjacent point on the curve.
- The left-most end point cannot be dragged up from the bottom edge.
- The right-most end point cannot be dragged down from the top edge.

Tip


- Individual settings can be saved by clicking Save As... and then typing a name for the scheme. That name appears in the Scheme list, so you can easily restore the scheme later.

{button ,AL(`color')} Related Topics



Color

To add/remove color correction control points

- 1 Click here  to view Display properties.
- 2 Click the ATI Color tab.
- 3 Under the Color area, click the radio button corresponding to the desired color component (Red, Green or Blue).
- 4 To add a control point, hold the SHIFT key down while clicking the mouse cursor at the desired point on the [color curve](#).
A control point appears on the color curve at the selected spot.
- 5 To remove a control point, hold the CTRL key down while clicking the mouse cursor on the control point to be removed.
The control point disappears from the color curve.

Tip

- By adding, removing or moving control points, you smoothen or harshen the gradation of a color tone.

{button ,AL(`color')} Related Topics

Color Correction

This allows you to correct for discrepancies between the real color value and the way your monitor displays it.

Color discrepancies can be caused by a variety of sources, including:

- lighting conditions in the work area
- color shifts in the monitor

Color Curve

A color curve represents all of the values of intensity (from 0 to 255) for the corresponding [color component](#) (Red, Green or Blue). For each color curve, the horizontal axis represents the input value (i.e., the color value which the Windows program wants to display), while the vertical axis represents the output value (i.e., the color value that the display driver will write to your monitor). A value of 0 (in the lower left corner) represents the darkest tint of a particular color, while a value of 255 (in the upper right corner) represents the lightest tint of that color.


Color Component

Three color components - Red, Green and Blue (or simply RGB) - combine in various intensities to determine the color of each pixel on your monitor. The values of each color component are graphically represented by a corresponding [color curve](#).



Color

To assign a color scheme hotkey

- 1 Click here to  view Display Properties.
- 2 Click the ATI Color tab.
- 3 Select a color scheme in the Scheme list.
- 4 Click in the Scheme [Hotkey](#) field.
- 5 Assign a Hotkey by typing a key to use in conjunction with CTL + ALT.
- 6 Click on Save As... to save your color scheme hotkey.

Tips

- You can also select color schemes using the taskbar menu. Click the right mouse button on the ATI icon in the taskbar, then select Schemes.

{button ,AL(`Color`)} Related Topics

Displays test patterns that illustrate how your display looks with different colors. Each time you click the screen icon, one of six different test patterns is displayed.

Positions your screen display and adjusts its size.

- The four arrows under Position shift your display left, right, up, or down.
- The up and down arrows under Size increase/decrease the vertical size of your display. The left and right arrows increase/decrease the horizontal size of your display.

Displays your current screen resolution (width x height, in pixels), color depth (in bits per pixel - bpp), the current horizontal frequency, and the vertical frequency:

- Horizontal frequency specifies the rate at which lines are drawn on your screen.
- Vertical frequency specifies the rate at which your screen is redrawn.

Consult your monitor's specifications for the best settings.

Adjusts the Horizontal, Vertical and Composite synchronization. Consult your monitor's specifications for the best setting.

- Clicking the Horizontal or Vertical buttons toggles synchronization between positive and negative.

Click this to open the Change Refresh Rate dialog box, listing all available refresh rates for each resolution.

- If Show Compatible refresh rates is selected, lists the available refresh rates for your monitor.
- If Show all refresh rates is selected, lists all the refresh rates that your current graphics adapter will support.

Warning

- **Consult your user's manual before adjusting refresh rates. Applying the wrong refresh rate may seriously damage your monitor.**

Click this to list the refresh rates that your monitor can use.

Click this to list all refresh rates that your graphics adapter can use.

Warning

- **Consult your user's manual before adjusting refresh rates. Applying the wrong refresh rate may seriously damage your monitor.**

Closes this dialog box without saving any changes.

Changes the refresh rate to the value you select.

Click this to open the Defaults dialog box. You can reset your display to default values or factory settings.

Closes this dialog box and saves any changes you have made.

Closes this dialog box without saving any changes you have made.

Resets your display to the settings Windows suggests for the monitor type selected in the Settings page.

Resets your display to the factory default values for the monitor type selected in the Settings page.

Click on a panning option in the Name list to

- assign a hotkey.
- view its description.

Displays the hotkey for the current selection in the Name list.

Displays a description of the current selection in the Name list.

Check this box to disable mouse panning.

Sets the hotkeys to factory settings.

Shows how the current settings will look on your screen.

Lists all the desktop schemes you have saved using the Save As.. button.

Click this to save your current screen settings. The name you specify will appear in the Scheme list, so you can easily restore these settings later.

Deletes the scheme that is selected in the Scheme list.

Specifies the key combination that recalls the current scheme.

Increases or decreases the amount of information that appears on your screen. Your monitor and display adapter determine whether you can change this setting. This is sometimes referred to as Screen Resolution.

Increases or decreases the size of your desktop. When your desktop is larger than your screen resolution, it is known as a Virtual Desktop.

Serves as a visual aid for adjusting color settings. You can install a different bitmap using the Load Bitmap... button.

Lists all the color correction schemes you have saved using the Save As.. button.

Specifies the key combination that recalls the current scheme.

Click this to save your current color settings. The name you specify will appear in the Scheme list, so you can easily restore these color settings later.

Deletes the scheme that is selected in the Scheme list.

Adjusts the selected color component (Red, Green, or Blue) when a control point on the color curve is moved with the mouse.

Increases or decreases the color brightness and contrast of your display. The higher the gamma value, the higher the brightness and contrast of your display, with 1.0 being flat (unmodified).

Click this to search a drive or network server for a bitmap to replace the one displayed at the top of this Color page. Only simple bitmap (.bmp) files are supported.

Click this to restore all color settings to the factory default values.



Tell me how to...

{button ,JI(`>taskwin1`,`ADJUST_ScreenPosition`);CW(`subcon`)} adjust my screen position

{button ,JI(`>taskwin1`,`ADJUST_ScreenSize`);CW(`subcon`)} adjust the size of my screen

{button ,JI(`>taskwin1`,`ADJUST_Synchronization`);CW(`subcon`)} adjust the synchronization

{button ,JI(`>taskwin1`,`ADJUST_RefreshRate`);CW(`subcon`)} adjust the refresh rate

{button ,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup2`,`JI(`>install`,`Setup`));CW(`subcon`)} return to the Getting Started window

{button ,Contents()} get more detailed information



Tell me how to...

{button ,JI(`>taskwin1`,`ADJUST_ScreenPosition`);CW(`subcon`)} adjust my screen position

{button ,JI(`>taskwin1`,`IDH_ADJUST_TVOut`);CW(`subcon`)} adjust my Television display

{button ,JI(`>taskwin1`,`IDH_ADJUST_TVOut_Advanced`);CW(`subcon`)} adjust advanced Television display features

{button ,JI(`>taskwin1`,`ADJUST_ScreenSize`);CW(`subcon`)} adjust the size of my screen

{button ,JI(`>taskwin1`,`ADJUST_Synchronization`);CW(`subcon`)} adjust the synchronization

{button ,JI(`>taskwin1`,`ADJUST_RefreshRate`);CW(`subcon`)} adjust the refresh rate

{button ,IE(FE(`ati64hl2.stb`,`JI(`>install`,`Warning6`,`JI(`>install`,`Warning5`));CW(`subcon`)} return to Using TV Display

{button ,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup4_TV`,`JI(`>install`,`Setup3_TV`));CW(`subcon`)} return to Getting Started

{button ,Contents()} get more detailed information



Tell me how to...

```
{button ,JI(`>taskwin1',`COLOR_color_correction_bitmap');CW(`subcon')}} load a new color bitmap  
{button ,JI(`>taskwin1',`COLOR_control_points');CW(`subcon')}} add or remove color control points  
{button ,JI(`>taskwin1',`COLOR_calibrate_color');CW(`subcon')}} calibrate my display's colors  
{button ,JI(`>taskwin1',`COLOR_adjust_brightness');CW(`subcon')}} adjust color brightness and contrast  
{button ,JI(`>taskwin1',`COLOR_save_scheme');CW(`subcon')}} save a color scheme  
{button ,JI(`>taskwin1',`Color_To_assign_a_color_scheme_hotkey');CW(`subcon')}} recall a scheme using  
hotkeys  
  
{button ,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup2')',`JI(`>install',`Setup')');CW(`subcon')}} return to Getting  
Started  
  
{button ,Contents()}} get more detailed information
```



Tell me how to...

{button ,JI(`>taskwin1`,`SETTINGS_desktop_size`);CW(`subcon`)} set my virtual desktop

{button ,JI(`>taskwin1`,`To_assign_panning_hotkeys`);CW(`subcon`)} assign panning hotkeys

{button ,JI(`>taskwin1`,`To_change_the_speed_of_your_hotkeys`);CW(`subcon`)} change the hotkey speed

{button ,JI(`>taskwin1`,`To_disable_mouse_panning`);CW(`subcon`)} disable mouse panning

{button ,IE(FE(`ati64hlp.stb`),`JI(`>install`,`Setup2`),`JI(`>install`,`Setup`));CW(`subcon`)} return to Getting Started

{button ,Contents()} get more detailed information



Tell me how to...

```
{button ,JI(`>taskwin1',`SETTINGS_screen_resolution');CW(`subcon')}}  change my screen resolution
{button ,JI(`>taskwin1',`SETTINGS_desktop_size');CW(`subcon')}}  create a virtual desktop
{button ,JI(`>taskwin1',`SETTINGS_color_palette');CW(`subcon')}}  change my color palette
{button ,JI(`>taskwin1',`SETTINGS_change_fonts');CW(`subcon')}}  change the desktop font size
{button ,JI(`>taskwin1',`SETTINGS_save_scheme');CW(`subcon')}}  save a desktop scheme
{button ,JI(`>taskwin1',`SETTINGS_assign_hotkey');CW(`subcon')}}  assign a desktop scheme hotkey
{button ,JI(`>taskwin1',`ChangeDisplayType2');CW(`subcon')}}  change my display driver
{button ,JI(`>taskwin1',`ChangeMonitor2');CW(`subcon')}}  change my monitor
{button ,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup2'),`JI(`>install',`Setup'));CW(`subcon')}}  return to Getting
Started
{button ,Contents()}}  get more detailed information
```



Tell me how to...

```
{button ,JI(`>taskwin1',`SETTINGS_screen_resolution');CW(`subcon')}] change my screen resolution
{button ,JI(`>taskwin1',`IDH_SETTINGS_TVOut');CW(`subcon')}] enable/disable my television display
{button ,JI(`>taskwin1',`SETTINGS_desktop_size');CW(`subcon')}] create a virtual desktop
{button ,JI(`>taskwin1',`SETTINGS_color_palette');CW(`subcon')}] change my color palette
{button ,JI(`>taskwin1',`SETTINGS_change_fonts');CW(`subcon')}] change the desktop font size
{button ,JI(`>taskwin1',`SETTINGS_save_scheme');CW(`subcon')}] save a desktop scheme
{button ,JI(`>taskwin1',`SETTINGS_assign_hotkey');CW(`subcon')}] assign a desktop scheme hotkey
{button ,JI(`>taskwin1',`ChangeDisplayType2');CW(`subcon')}] change my display driver
{button ,JI(`>taskwin1',`ChangeMonitor2');CW(`subcon')}] change my monitor
{button ,IE(FE(`ati64hl2.stb'),`JI(`>install',`Warning6'),`JI(`>install',`Warning5'));CW(`subcon')}] return to
    Using TV Display
{button ,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup4_TV'),`JI(`>install',`Setup3_TV'));CW(`subcon')}] return to
Getting Started
{button ,Contents()}] get more detailed information
```

Provides descriptions of the current settings, and suggests optimal values.

Displays information about your graphics adapter, and lets you display and change current hardware settings.

Resets the graphics adapter to factory settings.

Note All changes to your adapter settings will be lost.

Lists all available hardware settings for the installed graphics adapter.

Lists available values for the current selection in the Setting list.



Display Adapter Hardware Settings

This page allows you to view or change the current low-level hardware settings of your ATI graphics adapter. The Settings list shows all of the hardware settings for the installed ATI display adapter. The Value box lists the current value of the selected Settings item. A brief description of the selected hardware setting is shown in the Description box.

Notes

- If the value of a hardware setting cannot be changed, the Value box is disabled.
- It is recommended that you do not change any hardware settings on this page.
- Any changes you do make to this page will not take effect until you click OK. In some cases, a system restart may be requested.

Tip

- To restore the display adapter to the manufacturer's recommended hardware settings, click the Factory Defaults button.


Displays an icon illustrating the selected option in the Name list.

Lists the color palettes that your display adapter and monitor support.

Changes the size of the text that Windows displays. If this setting is unavailable, you cannot change the font size.

Click this to customize the size of the fonts that Windows displays. If this button is unavailable, you cannot change the font size.

Click this to install the software for a new display adapter or monitor.

Help is available for each item in this group. Click  at the top of the dialog box, and then click the specific item you want information about.


Check this to enable the ATI Taskbar icon.

Check this if you want dialog boxes to open in the center of your screen. This is especially useful when you are using a Virtual Desktop.



Settings

To enable/disable television out display

- 1 Click here to  view Display Properties.
- 2 Click on the Settings tab.
- 3 Click on the Television check box to enable/disable television out display.

Note

- You need a television connected to your card to enable the television out feature. To connect a television, all you need is a Composite or S-Video cable connector.
- All of the display settings set for your monitor will apply to your television display too.
- You cannot enable television out display unless the current display mode is 640x480 or 800x600. Try changing your [screen resolution](#) and then try to enable the television out feature.

{button ,AL(`tvout')} Related Topics

■ Settings

To connect a television to your computer

- 1 Determine if your television has an [S-Video](#) or a [Composite](#) video connection.
- 2 Looking at the back of your computer, locate your graphics card.
- 3 Using an S-Video or a Composite connector, attach one end of the connector into graphics card and the other into your television.

Note

- S-Video will produce best results.
- Depending on your hardware, your system's graphic display capabilities may be limited when the television out display is enabled.
- You cannot enable television out display unless the current display mode is 640x480 or 800x600. Try changing your [screen resolution](#) and then try to enable the television out feature.

{button ,AL(`tvout')} Related Topics

■ **Adjustment**

To adjust the television display

- 1 Click here ■ to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Pull down the Output Device menu.
- 4 Select Television.
- 5 Click one of the four Position arrows in the Adjustment box to change your screen position.

The four Position arrows shift your display left, right, up, or down.

Tip

- Under Size, the up and down arrows increase/decrease the vertical size of your television's display. The left and right arrows increase/decrease the horizontal size of the display.

{button ,AL(`tvout')} Related Topics

■ Adjustment

To adjust the advanced television display features

- 1 Click here ■ to view Display properties.
- 2 Click the ATI Adjustment tab.
- 3 Pull down the Output Device menu.
- 4 Select Television.
- 5 Click on Advanced.

{button ,AL(`tvout')} Related Topics

Displays your current television signal ([NTSC](#) or [PAL](#)), connector (Composite and/or S-Video), and color depth (in bits per pixel - bpp).

[Click to set advanced settings for your television display.](#)

Lists all the advanced settings schemes you have saved using the Save As.. button.

Click to save your current advanced settings. The name you specify will appear in the Scheme list, so you can easily restore these advanced settings later.

Deletes the scheme that is selected in the Scheme list.

Changes the contrast on TV Out display. Reduced contrast makes text and graphics less vivid, but reduces the amount of flicker. This control is not available in 800 x 600 resolution.

Controls the brightness of the computer graphics without adjusting your TV set.

Adjusts the saturation level of color in the image.

Adjusts the flicker removal setting. Generally, the maximum flicker removal setting is recommended.

Click this to override the normal sizing and positioning to display at full screen.

Click this to change the TV signal from 525 or 625 interlaced lines to half as many non-interlaced lines.

Adjusts the Composite Sharpness to the following:

- Minimum
- Average
- Maximum

Adjusts the S-Video Sharpness to the following:

- Maximum
- Average
- Minimum

Use this feature to control jagged edges from a composite output signal.

Displays the hotkey for the current advanced settings scheme.

Type of video signal used in Hi8 and S-VHS video tape formats. It transmits *luminance* (brightness) and *chrominance* (color) portions separately, using multiple wires, avoiding the NTSC encoding process and the resultant loss of picture quality. Also known as Y-C video.

NTSC (National Television Systems Committee) is the North American and Japanese television technical standards organization. Frame rate is 30 per second.

PAL (Phase Alternate Line) is the European (excluding France) television standard.

■ TV Out Features

Tell me how to...

{button ,JI(`>taskwin1`,`IDH_SETTINGS_TVOut_Connect`);CW(`subcon`)} connect a television to my computer

{button ,JI(`>taskwin1`,`IDH_SETTINGS_TVOut`);CW(`subcon`)} enable/disable my television display

{button ,JI(`>taskwin1`,`IDH_ADJUST_TVOut`);CW(`subcon`)} adjust my Television display

{button ,JI(`>taskwin1`,`IDH_ADJUST_TVOut_Advanced`);CW(`subcon`)} adjust advanced Television display features

{button ,IE(FE(`ati64hl2.stb`,`JI(`>install`,`Warning6`,`JI(`>install`,`Warning5`));CW(`subcon`)} return to Using TV Display

{button ,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup4_TV`,`JI(`>install`,`Setup3_TV`));CW(`subcon`)} return to Getting Started

Click the type of icons that you want in the ATI Taskbar menu.

Check the Side Image on Menu box to display the ATI Technologies graphic on the menu.

Select the output device that you want from the drop down list. The controls on the Adjustment page will change depending on the device you select.

Shows how the current settings will look on your television screen.

Check to enable monitor display. This box must be checked to change your monitor display settings.

Check to enable television out display. This box must be checked to change your television display settings.

■ ATI DeskTop Help

To disable television out display

- 1 Click here to ■ view Display Properties.
- 2 Click on the Settings tab.
- 3 Click on the Television check box to disable television out display.
- 4 Click OK.

```
{button Continue,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup4_TV')',`JI(`>install',`Setup3_TV')');CW(`taskwin1')}
```

Composite

A type of video signal that includes the complete visual waveform, including chromatic (color) and luminance (brightness) picture information, as well as control signals.

Composite connectors are also known as RCA or Phono plugs.

■ **Display Properties**

The following [Display Properties](#) pages have been added or modified to support the new ATI enhanced display driver utilities:

- Settings page - for customizing your desktop settings such as desktop size, screen resolution and color depth, and to store various desktop preferences for easy recall later.
- Panning page - for setting hotkeys to control panning of the desktop within a Virtual Desktop.
- Adjustment page - for adjusting the position and size of your screen, as well as manipulating the screen refresh rate, frequencies and synchronization.
- Color correction page - for correcting color tone differences between real color values and the way your monitor displays them, and for storing various color correction preferences for easy recall later.

▪ **Device Manager**

The following display adapter [Device Manager](#) page has been added to support the new ATI enhanced display driver utilities:

- Settings page - provides low-level hardware configuration of your ATI *mach64* display adapter.

■ **ATI Taskbar Icon**

ATI's shortcut icon provides instant access to various programs, display settings, and the ATI Desktop online help system.

If you position the mouse cursor over the ATI icon, you can view the following settings:

- screen resolution
- desktop size
- color depth

If you click the right mouse button on the ATI icon, a menu appears with the following five options:

- **ATI Programs**—open all installed ATI programs from one location
- **Schemes**—select a previously-saved desktop scheme
- **Settings**—open the ATI Icon Settings, the Display Settings, and the Device Settings
- **Help**—launch the ATI Desktop help system
- **Troubleshooting**—launch a troubleshooting help session

Tip

- You can also launch the ATI Desktop help directly by double-clicking the left mouse button on this icon.
- If the ATI Icon is not in the taskbar, click here {button ,EF(`Atiicon.exe',`,1,`')} to install it.

Display Properties

Using the Display Properties dialog box, you can customize various screen elements in Windows. To access this dialog box, click the right mouse button in an empty area of the desktop, and then click Properties.

Device Manager

The Device Manager is accessed as one tab of the [System Properties](#) dialog box. It provides a categorized list of all the hardware on your computer (including your display adapter), allowing you to view or change a particular [device driver](#), or modify its configuration.

Device Driver

This is the lowest-level software which deals directly with the hardware of a particular computer device (such as a mouse, keyboard, display adapter, etc.).

System Properties

Using the System Properties dialog box, you can view or modify your system configuration settings, including your ATI display adapter hardware configuration (through the [Device Manager](#)). To display the System Properties, double-click the System icon in the Control Panel.

■ **ATI Setup**

Welcome to the ATI DeskTop help system!

This help system is your single-point access to your ATI product features.

If this is your first time installing this ATI product, you may want to take a few minutes following the installation to familiarize yourself with its enhanced features.

Click here ■ to begin installation.

■ **ATI Setup**

To install a new display driver

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 Click Change Display Type.
or
On some systems, click Advanced Properties.
- 4 In the Adapter Type area, click Change.
or
On some systems, click the Adapter tab, then click Change.
- 5 Click Have Disk.
- 6 Insert the ATI Installation CD-ROM into your CD-ROM drive and type the following:
D:\WIN95, then click OK.
(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)
- 7 Click OK.
The new ATI display driver files are copied to your computer.
- 8 For help on selecting the monitor which matches your hardware, click here ■.
Otherwise, click Close.
- 9 Click Apply to save changes, then click Yes to restart Windows.

Note

- Following the reset, ATI DeskTop Help will guide you through some of the enhanced features of your new card.

■ **ATI Setup**

To change your monitor

- 1 Click Change Display Type.
or
On some systems, click Advanced Properties.
- 2 In the Monitor Type area, click Change.
or
On some systems, click the Monitor tab, then click Change.
- 3 In the Manufacturer's box, select the appropriate monitor manufacturer.
- 4 In the Models box, select the model that matches your hardware (refer to the manufacturer's specifications if you need help).
- 5 Click OK.
- 6 Click Close.
- 7 Click Apply to save changes.
- 8 Click Yes to restart Windows.

Note

- Following the reset, ATI DeskTop Help will guide you through some of the enhanced features of your new card.

■ Getting Started...

Setting ATI Display Properties

Now that the new ATI display drivers are installed, you may want to take a few moments to familiarize yourself with your graphics card's enhanced features.

For information on using help, press the **F1** key at any time during a Help session.

Tell me how to...

- change my screen resolution
- set my virtual desktop
- assign my panning hotkeys
- adjust my screen position
- set color correction controls
- add a multimedia upgrade to my graphics card
- get more detailed information
- Show this screen next time you start Windows.

■ Getting Started...

Setting ATI Display Properties

Now that the new ATI display drivers are installed, you may want to take a few moments to familiarize yourself with your graphics card's enhanced features.

For information on using help, press the **F1** key at any time during a Help session.

Tell me how to...

- change my screen resolution
 - set my virtual desktop
 - assign my panning hotkeys
 - adjust my screen position
 - set color correction controls
 - add a multimedia upgrade to my graphics card
 - get more detailed information
- Show this screen next time you start Windows.

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▪ Settings

To setup your monitor

- 1 Click Change Display Type... {button Continue with current configuration,IE(FE('ati64hlp.stb'),'JI('>install','Setup4_TV'),'JI('>install','Setup3_TV'))}
- 2 In the Monitor Type area, click Change.
- 3 In the Manufacturer's box, select the appropriate monitor manufacturer.
- 4 In the Models box, select the model that matches your hardware (refer to the manufacturer specifications if you need help).
- 5 Click OK, then click Close.
- 6 Click OK to save changes and close Display properties.

ATI DeskTop Help



Using TV Display

Your graphics card is configured for TV display. You can connect a TV to your ATI graphics card using this feature.

If you are **not** using a TV for your computer's display, you should disable TV display for optimal performance (higher refresh rates). You can re-enable TV display at a later date.

```
{button Disable TV display,JI('>taskwin1','IDH_Settings_DisableTVOut')} {button Continue with current  
configuration,IE(FE('ati64hlp.stb'),'JI('>install','Setup4_TV'),'JI('>install','Setup3_TV'))}
```

Show window at start up when TV display is enabled.

ATI DeskTop Help



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■ ATI-TV



Now you can watch TV, videos, or games on your computer!

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

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

You can use ATI-TV 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-TV displays cable, broadcast television or full-motion video on the whole screen or in a window.

Please contact your dealer about availability.

Note

- If you purchased the ALL-IN-WONDER, you already have a TV tuner and do not need the ATI-TV product.
- Return to the Getting Started window.

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- Return to the Getting Started window.

■ **Warning**



Using TV Display

If the display on your monitor is scrambled when using TV display, turn the power off on your monitor.

Your graphics card is configured for TV display. You can connect a TV to your ATI graphics card using this feature.

If you are **not** using a TV for your computer's display, you should disable TV display for optimal performance (higher refresh rates). You can re-enable TV display at a later date.

```
{button Disable TV display,JI(`>taskwin1`,`IDH_Settings_DisableTVOut')}}      {button Continue with TV display  
enabled,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup4_TV`,`JI(`>install`,`Setup3_TV`))')}
```

Show window at start up when TV display is enabled.

■ **Warning**



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enabled,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup4_TV`,`JI(`>install`,`Setup3_TV`))')}
```

Show window at start up when TV display is enabled.

ATI DeskTop Help



Using TV Display

Your ATI graphics card can use a TV for your computer's display. To use a TV for your computer's display, you need to ensure that TV display is enabled.

If you are **not** using a TV for your computer's display, you should disable TV display for optimal performance (higher refresh rates). You can re-enable TV display at a later date.

```
{button Enable or Disable TV Display,JI(`>taskwin1`,`IDH_Settings_TVOut')}} {button  
Continue,IE(FE(`ati64hlp.stb`,`JI(`>install`,`Setup4_TV`,`JI(`>install`,`Setup3_TV`))')}
```

Show window at start up when TV display is enabled.

ATI DeskTop Help



Using TV Display

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Continue,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup4_TV')',`JI(`>install',`Setup3_TV')')}
```

Show window at start up when TV display is enabled.

■ Panning

To assign panning hotkeys

- 1 Click here to ■ view Display Properties.
- 2 Click the ATI Panning tab.
- 3 Select an item in the Name list.

The Description box indicates the operation of the selected hotkey control.

- 4 Click in the Value field.
- 5 Assign a [hotkey](#) by typing a key to use in conjunction with CTL + ALT.
or

Click on the [Defaults](#) button to assign the default hotkeys.

Tips

- You must first set your virtual desktop to enable panning.
- You can assign hotkeys to pan your desktop, [zoom](#) in and out, and [pan lock](#) your screen.
- Click here {button ,Jl(`>taskwin1`,`To_change_the_speed_of_your_hotkeys`)} to change the panning speed of your hotkeys.

{button ,KL(`Panning`)} Related Topics

Hotkey

One or more keys, used in conjunction with CTRL and ALT, to perform an action.

Defaults

The default or factory settings assigned by the manufacturer.

Zoom

Zoom In decreases the screen resolution on the desktop. Zoom Out increases the screen resolution on the desktop.

Pan Lock

Locks/unlocks the screen in the current position on the desktop.

■ Panning

To disable mouse panning

- 1 Click here to ■ view Display Properties.
- 2 Click the ATI Panning tab.
- 3 Select Pan Lock from the Name list.
- 4 Click in the Value area.
- 5 Type a [hotkey](#) combination.

Note

- Use the hotkey combination to lock/unlock the screen. If you have not set your virtual desktop, this option will not be available.

{button ,KL(` Panning')} Related Topics

■ Panning

To change the panning speed of your hotkeys

- 1 Click Start, and point to Settings.
- 2 Click Control Panel.
- 3 Double-click Keyboard.
- 4 In the Repeat rate area, drag the slider.

Note

- The keyboard repetition rate determines the panning speed of your hotkeys.

{button ,KL(` Panning')} Related Topics

■ Settings

To change the display driver

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 Click Change Display Type.
or
On some systems, click Advanced Properties.
- 4 In the Adapter Type area, click Change.
or
On some systems, click the Adapter tab, then click Change.
- 5 Click Have Disk.
- 6 Insert the ATI Installation CD-ROM into your CD-ROM drive and type the following:
D:\WIN95, then click OK.
(If **D** is not your CD-ROM drive, substitute **D** with the correct drive letter.)
- 7 Click OK.
The display driver files are copied to your computer.
- 8 Click Close.
- 9 Click Apply to save changes, then click Yes to restart Windows.

{button ,AL(`settings')} Related Topics

■ Settings

To change your monitor

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 Click Change Display Type.
or
On some systems, click Advanced Properties.
- 4 In the Monitor Type area, click Change.
or
On some systems, click the Monitor tab, then click Change.
- 5 Click Show all devices.
- 6 In the Manufacturer's box, select the appropriate monitor manufacturer.
- 7 In the Models box, select the model that matches your hardware (refer to the manufacturer specifications if you need help).
- 8 Click OK, then click Close.
- 9 Click OK to save changes and close Display properties.

{button ,AL(`settings`)} Related Topics

■ Settings

To save a desktop settings scheme

1 Click here ■ to view Display properties.

2 Click the Settings tab.

3 Click Save As...

The Save Scheme dialog box opens.

4 Enter the name for your settings scheme, then click OK.

The name you select appears in the Scheme list.

Tip

■ In the Hotkey box, you can assign a hotkey combination which can be used later to recall this desktop settings scheme.

{button ,AL(`settings`)} Related Topics

■ Settings

To delete a desktop settings scheme

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the list in the Scheme area, click the scheme you want to delete.
- 4 Click Delete.

{button ,AL(`settings`)} Related Topics

■ Settings

To recall a desktop settings scheme

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the list in the Scheme area, click the scheme you want to recall.
The properties on the Settings page are now set to the selected scheme.
- 4 Click either OK or Apply to enable the selected scheme's properties.

{button ,AL(`settings`)} Related Topics

■ Settings

To change your screen resolution

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the Display Area, drag the top slider.
- 4 Click Apply.
- 5 To preview the new desktop setting, click OK.
- 6 To accept this setting, click YES. Otherwise, click No.

Note

- Your monitor and display adapter determine whether you can change your [screen resolution](#).
- When your desktop size (bottom slider) is larger than your screen resolution, the [Virtual Desktop](#) feature is enabled.

{button ,AL(`settings`)} Related Topics

■ Settings

To set your virtual desktop

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the Display area, select a [virtual desktop](#) size by dragging the bottom slider to the right.
- 4 Click Apply.
- 5 To preview the virtual desktop setting, click OK.
- 6 To accept the setting, click Yes.
or
Otherwise, click No.

Note

- To see portions of the virtual desktop not visible on the screen, pan the screen using the mouse or assigned hotkeys.

{button ,AL(`settings`)} Related Topics

■ Settings

To change the number of colors your monitor displays

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the Color Palette list, click the number of colors that you want your monitor to display.

Note

- Your monitor and display adapter determine the maximum number of colors that can appear on your screen.

{button ,AL(`settings`)} Related Topics

■ Settings

To use larger or smaller display fonts

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 In the Font Size box, select a font size from the list.
- 4 To customize the size of displayed fonts, click Custom.

or

On some systems, to customize the size of displayed fonts, select Other from the list.

Note

- If the Font Size area is unavailable, make sure your Desktop size in the Display area is higher than 640 by 480 pixels. If 640 by 480 pixels is the only setting available to you, you cannot change your display font.

{button ,AL(` settings')} Related Topics

■ Settings

To assign a hotkey to a desktop scheme

- 1 Click here to ■ view Display Properties.
- 2 Click on the Settings tab.
- 3 Select the desired desktop scheme in the Scheme list.
- 4 Click in the Hotkey field.
- 5 Assign a [hotkey](#) by typing a key combination. For example, CTRL+ALT + UP.

Note

- Only certain Hotkey combinations are allowed.

{button ,AL(`settings`)} Related Topics

Screen Resolution

Screen Resolution is the number of [pixels](#) displayed on your screen, expressed as a number in the form WxH, where W is the number of pixels displayed horizontally (width) and H is the number of pixels displayed vertically (height). Typical screen resolutions include 640x480, 800x600, 1024x768, 1152x864 and 1280x1024.

Pixel

A pixel is one 'dot' on your display. Each pixel can be a different color. The number of possible colors is determined by the [color depth](#).

Color Depth/bpp

The number of colors that are available, or color depth, is determined by the number of bits associated with each [pixel](#) to represent that pixel's color. This is specified as the bpp (bits per pixel) setting. Common values are:

- 8 bpp - gives 256 colors
- 16 bpp - gives 65K colors
- 24 bpp - gives 16.7M colors.

Virtual Desktop

The Windows work area is known as the Desktop. When the Desktop is larger than the [Screen Resolution](#), it is known as a Virtual Desktop. With a Virtual Desktop, only a portion of the Desktop is visible on the screen at one time.

▪ Troubleshooting

{button ,JI(`,`TROUBLE_tips')} Troubleshooting Tips
{button ,EF(`atipr.exe',`,1,`')} Problem Report Wizard

▪ Troubleshooting

Troubleshooting Tips

Difficulties with your computer display can arise from a combination of things. Listed below are several checks you can make to help determine the problem.

What's Wrong?

{button ,JI(`,`TROUBLE_tips_system_lockup')}} After installing the display card, my computer system occasionally locks up.

{button ,JI(`,`TROUBLE_tips_no_sync')}} My display does not synchronize.

{button ,JI(`,`TROUBLE_tips_low_resolution')}} I cannot select the desired colors/screen resolution.

{button ,JI(`,`TROUBLE_tips_no_install')}} My display driver does not work correctly.

■ Troubleshooting

If your system is locking up

- Ensure that the card is seated correctly and that it has been installed using the proper Control Panel “Add New Hardware” wizard. Refer to your ATI user guide or Windows Help for information on accessing this wizard.
- Try starting Windows in Safe Mode. To find out how, [click here](#)
- Try the display card in a different system. If the card works in another system, the problem is likely due to incorrect configuration or a hardware conflict. To start the Hardware Conflict Troubleshooter, start Windows Help and, in the Index, type “hardware conflict”.

{button ,EF(`Windows.hlp`,`1`,``)} [Click here to start Windows Help](#)

- **Troubleshooting**

- **If your display goes out of sync**

- The wrong monitor type has been selected.
 - To select a new monitor, [click here](#)

■ Troubleshooting

If your display driver does not operate correctly

- Install a standard driver which was included with your Windows 95 installation disks, using the following steps:

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 Click Change Display Type.

or

On some systems, click Advanced Properties.

- 4 In the Adapter Type area, click Change.

or

On some systems, click the Adapter tab, then click Change.

- 5 If it is not selected already, click Show all devices.
- 6 In the Manufacturer's list, select ATI Technologies.
- 7 In the Models list, select the display driver which matches your ATI display adapter.
- 8 Click OK, then click Close.
- 9 Click Apply to save changes, then click Yes to restart Windows.

▪ Troubleshooting

If you cannot set your desired display colors/resolution

- The combination of [color depth](#) and [screen resolution](#) that is available on the Settings page is dependent on the capabilities of the installed display card.
- It is likely the BIOS is told that this combination is unavailable, based on the selected monitor/display card configuration.

▪ **Customer Support**

Please contact your dealer for technical support.

▪ Customer Support

Contacting ATI Customer Support

ATI provides technical support to registered users.

So that we can help you as quickly and efficiently as possible, have you:

{button ,JI(`,`TROUBLE_faqs')}} reviewed the FAQs?

{button ,JI(`,`TROUBLE_tips')}} tried the Troubleshooting Tips?

{button ,EF(`atipr.exe',`,1,`')}} filled in the Problem Report Wizard?

ATI Customer Support Hours are as follows:

Mondays to Fridays:

9:00am to 7:00pm E.S.T.

Telephone:

(905) 882-2626

Facsimile:

(905) 882-0546

BBS*:

(905) 764-9404

ATI FTP Site:

<ftp://ftp.atitech.ca>

Compuserve:

GO ATITECH

@ATI SUPPORT 74740,667

*(14400/9600/2400/1200 baud, 8 data, no parity, 1 stop bit)

■ Troubleshooting

To start Windows in safe mode

- 1 Print this topic for reference.
- 2 Restart your computer by clicking the Start button, clicking Shut Down, and then clicking Restart The Computer.
or
If the system is locked up, press CTRL+ALT+DEL, or press the computer's reset button, to restart the computer.
- 3 When you see the message "Starting Windows 95", press F8.
- 4 To start Windows without network support, choose Safe Mode.
To start Windows with network support, choose Safe Mode With Network Support.
In safe mode, Windows uses default settings (no network, VGA monitor, Microsoft mouse driver, and the minimum device drivers required to start Windows). There is no access to a CD-ROM drive, a printer, or other devices.

Note

- If your system works properly in safe mode with your ATI display adapter but not in normal mode, then the fault is likely due to a faulty display driver or a hardware conflict.
- To try to resolve a hardware conflict, click the Back button and follow the instructions given.
- To change display drivers, click [here](#)
-



Frequently Asked Questions

- {button ,JI(`,`WIN31_utilities')} Can I use the existing Windows 3.1x utilities under Windows 95?
- {button ,JI(`,`DPMS_support')} Does Windows 95 have DPMS support?
- {button ,JI(`,`NEW_drivers')} Where can I get the new *mach64* drivers?
- {button ,JI(`,`DDC1_ddc2b')} Is DDC-1 and DDC-2b support still available if I install Windows 95?
- {button ,JI(`,`MPEG_videos')} What do I need to play MPEG videos under Windows 95?
- {button ,JI(`,`UNINSTALL_drivers')} How can I uninstall the enhanced *mach64* drivers?
- {button ,JI(`,`TaskbarIcon')} What is the ATI Taskbar icon for?

Can I use the existing Windows 3.1x utilities under Windows 95?

The previous *mach64* drivers, FlexDesk+ and WinSwitch were designed for the capabilities of Microsoft's Windows 3.1x and will not work with Windows 95. You need to have ATI's enhanced driver for Windows 95 to use ATI's utilities in Windows 95.

Does Windows 95 have DPMS support?

ATI's *mach64*-based products all support DPMS.

To enable DPMS support

- 1 Click here ■ to view Display properties.
- 2 Click the Settings tab.
- 3 Click Change Display Type.

or

On some systems, click Advanced Properties.

- 4 In the Monitor Type area, click Change.

or

On some systems, click the Monitor tab, then click Change.

- 5 Click the Screen Saver tab.
- 6 In the Energy saving features of monitor area, check the Low-power standby box.
- 7 Enter the time after which the monitor will enter standby mode.
- 8 In the Energy saving features of monitor area, check the Shut off monitor box.
- 9 Enter the time after which the monitor will shut off.

Where can I get the new *mach64* drivers?

Please contact your dealer to obtain new *mach64* drivers.

Is DDC-1 and DDC-2b support still available if I install Windows 95?

Yes. Our *mach64*-based products which have built-in DDC-1 and DDC-2b support will still operate with all versions of the Windows 95 ATI *mach64* drivers. If you have a DDC -1 or DDC-2b compliant monitor, those boards will take advantage of it and help to configure the optimum refresh rate and synchronization.

What do I need to play MPEG videos under Windows 95?

ATI offers a software MPEG player designed for the *mach64*-based graphics accelerator products for use under Windows 95. The ATI Player supports Pentium-based MPC-3 compliant systems and is strictly a software update that allows existing *mach64*-based boards to take advantage of MPEG-based videos, without the extra expense of costly MPEG hardware boards. The ATI Player provides full-motion, full-screen video, excellent color quality playback and MPEG video playback up to 30 frames per second.

How can I uninstall the enhanced *mach64* drivers?

ATI's drivers do not have the built-in ability to be uninstalled. However, users of Windows 95 who have installed the Microsoft Plus! software (available from Microsoft as an add-on program) prior to the video driver installation, can go into the Control Panel, click Add/Remove Programs, and the driver installation will be listed on the lower menu. Select this and the driver will be removed, and your system will be reset to the driver that Windows 95 detected upon initial installation.

Note

- To *change* display drivers, click [here](#)
- .

