




**Tell me how to...**

- {button ,JI(`>taskwin1`,`COLOR\_control\_points`);CW(`subcon`)} add or remove color control points
- {button ,JI(`>taskwin1`,`COLOR\_calibrate\_color`);CW(`subcon`)} change the color of your desktop
- {button ,JI(`>taskwin1`,`COLOR\_adjust\_brightness`);CW(`subcon`)} adjust the color brightness of your desktop
- {button ,JI(`>taskwin1`,`Overlay`);CW(`subcon`)} adjust the color brightness of your video overlay window
- {button ,IE(FE(`ati64hlp.stb`),`JI(`>install`,`Setup2``,`JI(`>install`,`Setup`));CW(`subcon`)} return to Getting Started
- {button ,Contents()} get more detailed information



## Color

### To adjust the color brightness of your desktop

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 Under the Brightness area, drag the Desktop slider right (to increase) or left (to decrease) the brightness of your display.
- 4 Click OK or Apply to save the changes you have made.

---


{button ,AL(`color`)} [Related Topics](#)

**This macro selects the Video Overlay Brightness file to display based on the help file(s) detected.**



## Color

### To adjust the color brightness of your video overlay window

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 Under the Brightness area, drag the Overlay slider right (to increase) or left (to decrease) the brightness of your video overlay window.
- 4 Click OK or Apply to save the changes you have made.


---

{button ,AL(`color`)} [Related Topics](#)



## Color

### To adjust the color brightness of your video overlay window

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 Under the Brightness area, drag the Overlay slider right (to increase) or left (to decrease) the brightness of your video overlay window.
- 4 Click OK or Apply to save the changes you have made.

#### Note

- This feature is only available if the display device on which your overlay window is opened is set to the primary [display mode](#). [Click here](#) for information on how to change display modes.


---

{button ,AL(`color`)} [Related Topics](#)



## Color

### To adjust the color of your desktop

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 In the Color Curve 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.
- 6 Click OK or Apply to save your new color setting.

### 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.


---

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



## Color

### To add/remove color correction control points

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 In the Color Curve 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.

- 6 Click OK or Apply to save the changes you have made.

### Tip

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


---

{button ,AL(`color`)} [Related Topics](#)



## Color

### To reset your color settings to default values

- 1 Click here  to view Display Properties.
- 2 Click the Color tab.
- 3 Click the Defaults button.
- 4 Click OK or Apply to save the changes you have made.

---

{button ,AL(`color`)} [Related Topics](#)



Click this button to restore your color settings to default values.

**Color Correction**

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

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

- lighting conditions in the work area
- color shifts in the monitor or flat panel display

## **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 screen). 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 - combine in various intensities to determine the color of each [pixel](#) on your screen. The values of each color component are graphically represented by a corresponding [color curve](#).

**Control Point**

A control point is a user-created point on the [color curve](#). You can change the color of your screen by moving control points with your mouse.

### **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. Some common values are:

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

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

Serves as a visual aid for adjusting color settings.



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 of your video overlay window. The higher the gamma value, the higher the brightness and contrast of your display, with Max being a flat (unmodified) setting.

Click this button to select the desired color component which can then be adjusted by moving control points on the color curve.

Your graphics accelerator allows you to display on-screen contents in distinct display modes, having distinct resolutions and refresh rates.




## Setup

### **Welcome to the DeskTop help system!**

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

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

Click here  to begin installation.



## DeskTop Help

**To view the Help Version**

Click here  to view the Help Version.



## Getting Started...

### Setting Display Properties

Now that the new display drivers are installed, you may want to take a few moments to familiarize yourself with your graphics accelerator'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 maximum screen resolution
- adjust my screen position
- adjust my screen size
- set color correction controls
- get more detailed information
- Show this screen next time you start Windows.



## Getting Started...

### Setting Display Properties

Now that the new display drivers are installed, you may want to take a few moments to familiarize yourself with your graphics accelerator'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 maximum screen resolution
- adjust my screen position
- adjust my screen size
- set color correction controls
- get more detailed information
- Show this screen next time you start Windows.






### **Tell me how to...**

```
{button ,JI(`>taskwin1',`Save_Scheme');CW(`subcon') } save a displays scheme  
{button ,JI(`>taskwin1',`Delete_Scheme');CW(`subcon') } delete a displays scheme  
{button ,JI(`>taskwin1',`Recall_Scheme');CW(`subcon') } recall a displays scheme  
{button ,JI(`>taskwin1',`Assign_Hotkey');CW(`subcon') } assign a displays scheme hotkey  
{button ,JI(`>taskwin1',`Enable_Disable_DisplayDevice');CW(`subcon') } enable/disable my display device  
{button ,JI(`>taskwin1',`Change_DisplayMode');CW(`subcon') } change the display mode of my display device  
{button ,IE(FE(`ati64hlp.stb'),`JI(`>install',`Setup2')',`JI(`>install',`Setup')');CW(`subcon') } return to Getting  
Started  
{button ,Contents()} get more detailed information
```



## Displays

### To save a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click in the Scheme box.
- 4 Enter the name for your displays scheme, then click Save.  
This saves the current configuration for each display device (e.g., whether it is enabled or disabled).

### Tip

- In the Hotkey box, you can assign a hotkey combination that can be used later to recall this displays scheme.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To save a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click in the Scheme box.
- 4 Enter the name for your displays scheme, then click Save.  
This saves the current configuration for each display device (e.g., whether it is enabled or disabled, set to primary or secondary [display mode](#)).

### Tip

- In the Hotkey box, you can assign a hotkey combination that can be used later to recall this displays scheme.


---

{button ,AL(`displays`)} [Related Topics](#)



## Displays

### To delete a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 In the Scheme box, click the displays scheme you want to delete.
- 4 Click Delete.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To delete a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 In the Scheme box, click the displays scheme you want to delete.
- 4 Click Delete.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To recall a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 In the Scheme box, click the displays scheme you want to recall.  
The configuration for each display device is now set to the selected scheme.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To recall a displays scheme

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 In the Scheme box, click the displays scheme you want to recall.  
The configuration for each display device is now set to the selected scheme.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To assign a hotkey to a displays scheme

- 1 Click here to  view Display Properties.
- 2 Click on the Displays tab.
- 3 In the Scheme box, click the displays scheme whose hotkey you want to edit.
- 4 Click in the Hotkey box.
- 5 Press any key to assign a hotkey.
- 6 Click Save.

### Note

- Only certain hotkey combinations are allowed.

---


{button ,AL(`displays')} [Related Topics](#)





## Displays

### To assign a hotkey to a displays scheme

- 1 Click here to  view Display Properties.
- 2 Click on the Displays tab.
- 3 In the Scheme box, click the displays scheme whose hotkey you want to edit.
- 4 Click in the Hotkey box.
- 5 Press any key to assign a hotkey.
- 6 Click Save.

### Note

- Only certain hotkey combinations are allowed.



---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To enable/disable a display device

- 1 Click here to  view Display Properties.
- 2 Click on the Displays tab.
- 3 Click the enable/disable button  for the display device you want to enable/disable.  
A desktop image appears on the corresponding display device icon when the button is in the "Enable" position.
- 4 Click either OK or Apply to save the changes you have made.

### Notes

- A display device must be enabled, in order to make changes to its display properties.
- At least one of your display devices must be enabled.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To change the **display mode** of a display device

- 1 Click here to  view Display Properties.
- 2 Click on the Displays tab.
- 3 Click the Primary/Secondary button for the display device whose display mode you want to change. The button label switches between "Primary" and "Secondary" to indicate the current display mode. Your display device must be enabled before you can change its display mode. [Click here](#) for more information.
- 4 Click either OK or Apply to save the changes you have made.

### Notes

- At least one of your display devices must be enabled..
- At least one of your display devices must be set to the primary display mode.


---

{button ,AL(`displays')} [Related Topics](#)



## Displays

### To change the **display mode** of a display device

- 1 Click here to  view Display Properties.
- 2 Click on the Displays tab.
- 3 Click the Primary/Secondary button for the display device whose display mode you want to change. The button label switches between "Primary" and "Secondary" to indicate the current display mode. Your display device must be enabled before you can change its display mode. [Click here](#) for more information.
- 4 Click either OK or Apply to save the changes you have made.

### Notes

- At least one of your display devices must be enabled..
- At least one of your display devices must be set to the primary display mode.
- You cannot set both a flat panel display and TV to the same display mode.

---

{button ,AL(`displays')} [Related Topics](#)

Your graphics accelerator allows you to display on-screen contents in distinct display modes, having distinct resolutions and refresh rates.

Lists all the displays schemes you have saved, as well as several preset schemes.

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

Click this to save the current configuration information for each display device. The name you specify will appear in the Scheme list, so you can easily restore these display settings later.



Deletes the displays scheme that is selected in the Scheme list.

Click this to enable/disable monitor display. A desktop image appears on the monitor icon when this button is in the "Enable" position. Shortcut = [Alt + 1](#)

Click this to enable/disable flat panel display. A desktop image appears on the flat panel icon when this button is in the "Enable" position. Shortcut = [Alt + 2](#)

Click this to enable/disable TV display. A desktop image appears on the TV icon when this button is in the "Enable" position. Shortcut = [Alt + 3](#)

Click this to enable/disable TV display. A desktop image appears on the TV icon when this button is in the "Enable" position. Shortcut = [Alt + 2](#)

Click this to launch the following Monitor Properties pages:

- Monitor Attributes page
- Monitor Adjustment page
- Monitor Advanced page

[Click this to launch the Flat Panel Attributes page](#)

Click this to launch the following TV Properties pages:

- TV Attributes page
- TV Adjustment page
- TV Advanced page
- TV Format page



Displays a monitor icon, indicating that your graphics accelerator supports a monitor. A desktop image appears on the icon screen when your monitor is enabled.

Displays a flat panel icon, indicating that your graphics accelerator supports a flat panel display. A desktop image appears on the icon screen when your flat panel is enabled.

Displays a TV icon, indicating that your graphics accelerator supports a TV display. A desktop image appears on the icon screen when your TV is enabled.

Displays the current resolution and refresh rate for your monitor.

Displays the current resolution and refresh rate for your flat panel display.

Displays the current resolution and refresh rate for your TV display.

Click this button to switch your monitor between Primary and Secondary display modes (capable of distinct resolutions and refresh rates). Shortcut = [Alt + 4](#)

For more information on how to select a display mode, click the Help button on the Displays tab.

Click this button to switch your flat panel between Primary and Secondary display modes (capable of distinct resolutions and refresh rates). Shortcut = [Alt + 5](#)

For more information on how to select a display mode, click the Help button on the Displays tab.




Click this button to switch your TV between Primary and Secondary display modes (capable of distinct resolutions and refresh rates). Shortcut = [Alt + 6](#)

For more information on how to select a display mode, click the Help button on the Displays tab.

Click this button to switch your TV between Primary and Secondary display modes (capable of distinct resolutions and refresh rates). Shortcut = [Alt + 5](#)

For more information on how to select a display mode, click the Help button on the Displays tab.

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

You must have more than one display device connected to your graphics accelerator, in order to use the Schemes feature.

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You must have more than one display device connected to your graphics accelerator, in order to use this feature.



Your graphics accelerator does not support the Display Mode feature.

**Displays Scheme**

A displays scheme stores the configuration information for each display device (e.g., whether it is enabled or disabled).

**Displays Scheme**

A displays scheme stores the configuration information for each display device [e.g., whether it is enabled or disabled, set to the primary or secondary display mode (i.e., resolution and refresh rate mode)].



**Tell me how to...**

{button ,JI(`>taskwin1',`MaximumResolution');CW(`subcon')}] select the maximum resolution for my monitor

{button ,JI(`>taskwin1',`MaximumRefreshRate');CW(`subcon')}] select the maximum refresh rate for my monitor

{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',`ScreenPosition');CW(`subcon')}] adjust the position of my monitor display

{button ,JI(`>taskwin1',`ScreenSize');CW(`subcon')}] adjust the size of my monitor display

{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`,`Synchronization`);CW(`subcon`)} adjust the synchronization of my monitor display


{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



## Setup


### To install a new display driver

- 1 Click here  to view Display Properties at the Settings tab.
- 2 Click the Display Type button.
- 3 In the Adapter Type area, click Change.
- 4 In the Change Display dialog, click Have Disk.
- 5 **To install from CD-ROM or diskette:**  
Insert the installation CD-ROM or diskette and type the following:  
**D:\WINNT\ATIDRIVE** (Where **D** is the drive letter of your CD-ROM or diskette drive),  
then click OK.

**or**

### To install drivers downloaded from the Internet:

Type the complete path for the folder containing the new drivers (or use the Browse button to navigate to the appropriate folder), then click OK.

- 6 Select the display adapter that matches your hardware; then click OK.
- 7 Click Yes to proceed with driver installation.  
The new display driver files are copied to your computer.
- 8 Click Yes to close Installing Driver dialog.
- 9 Click Close to exit Display Type dialog.
- 10 For help on setting your monitor attributes, click here . Otherwise, go to step (11) below.
- 11 Click Close to save changes and exit Display Properties; then click Yes to restart Windows.


### Note

- Following the reset, DeskTop Help will guide you through some of the enhanced features of your new graphics accelerator product.



## Settings

### To change the display driver

- 1 Click here  to view Display Properties at the Settings tab.
- 2 Click the Display Type button.
- 3 In the Adapter Type area, click Change.
- 4 In the Change Display dialog, click Have Disk.
- 5 **To install from CD-ROM or diskette:**  
Insert the installation CD-ROM or diskette and type the following:  
**D:\WINNT\ATIDRIVE** (Where **D** is the drive letter of your CD-ROM or diskette drive),  
then click OK.  
**or**

### To install drivers downloaded from the Internet:

Type the complete path for the folder containing the new drivers (or use the Browse button to navigate to the appropriate folder), then click OK.

- 6 Select the display adapter that matches your hardware; then click OK.
- 7 Click Yes to proceed with driver installation.  
The new display driver files are copied to your computer.
- 8 Click Yes to close Installing Driver dialog.
- 9 Click Close to exit Display Type dialog.
- 10 Click Close to save changes and exit Display Properties; then click Yes to restart Windows.

---

{button ,AL(`settings`)} [Related Topics](#)




**This macro selects the Set Your Monitor Attributes file to display based on the help file(s) detected.**



## Setup

### To set your monitor attributes

- 1 Click here  to view Display Properties at the Settings tab.
- 2 In the Refresh Frequency box, select the optimal refresh frequency for your monitor.
- 3 Click the Attributes tab.
- 4 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button. Otherwise, go to the next step.
- 5 In the Maximum Resolution and Max. Refresh Rate boxes, select the desired settings for maximum resolution and maximum refresh rate.
- 6 Click OK.
- 7 Click Close to exit Display Properties.
- 8 Click Yes to restart Windows.


### Note

- Following the reset, DeskTop Help will guide you through some of the enhanced features of your new graphics accelerator product.



## Setup

### To set your monitor attributes

- 1 Click here  to view Display Properties at the Settings tab.
- 2 In the Refresh Frequency box, select the optimal refresh frequency for your monitor.
- 3 Click the Displays tab.
- 4 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 5 Click the Attributes tab.
- 6 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button. Otherwise, go to step (7) below.
- 7 In the Maximum Resolution and Max. Refresh Rate boxes, select the desired settings for maximum resolution and maximum refresh rate.
- 8 Click OK.
- 9 Click Close to exit Display Properties.
- 10 Click Yes to restart Windows.

### Note


- Following the reset, DeskTop Help will guide you through some of the enhanced features of your new graphics accelerator product.

**This macro selects the Set Your Monitor Attributes2 file to display based on the help file(s) detected.**



## Settings

### To set your monitor attributes

- 1 Click here  to view Display Properties at the Settings tab.
- 2 In the Refresh Frequency box, select the optimal refresh frequency for your monitor.
- 3 Click the Attributes tab.
- 4 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button. Otherwise, go to the next step.
- 5 In the Maximum Resolution and Max. Refresh Rate boxes, select the desired settings for maximum resolution and maximum refresh rate.
- 6 Click OK.
- 7 Click Close to exit Display Properties.
- 8 Click Yes to restart Windows.


---

{button ,AL(`settings`)} [Related Topics](#)



## Settings

### To set your monitor attributes

- 1 Click here  to view Display Properties at the Settings tab.
- 2 In the Refresh Frequency box, select the optimal refresh frequency for your monitor.
- 3 Click the Displays tab.
- 4 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 5 Click the Attributes tab.
- 6 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button. Otherwise, go to the next step.
- 7 In the Maximum Resolution and Max. Refresh Rate boxes, select the desired settings for maximum resolution and maximum refresh rate.
- 8 Click OK.
- 9 Click Close to exit Display Properties.
- 10 Click Yes to restart Windows.

---


{button ,AL(`settings`)} [Related Topics](#)

**This macro selects the Maximum Refresh Rate file to display based on the help file(s) detected.**



## Monitor Attributes

### To adjust the maximum refresh rate for your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Attributes tab.
- 3 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 4 In the Max. Refresh Rate box, select the desired setting for maximum refresh rate.
- 5 Click OK or Apply to save the changes you have made.

### Warning



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

---


{button ,AL(`settings`)} [Related Topics](#)






## Monitor Attributes

### To adjust the maximum refresh rate for your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Attributes tab.
- 5 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 6 In the Max. Refresh Rate box, select the desired setting for maximum refresh rate.
- 7 Click OK or Apply to save the changes you have made.

### Note

 If you have both a monitor and TV enabled, the refresh rate of your displays will be the same, being limited by the display with the lower refresh rate.

### Warning

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


---

{button ,AL(`settings`)} [Related Topics](#)




## Monitor Attributes

### To adjust the maximum refresh rate for your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Attributes tab.
- 5 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 6 In the Max. Refresh Rate box, select the desired setting for maximum refresh rate.
- 7 Click OK or Apply to save the changes you have made.

### Note

 Where two display devices are enabled and set to the same [display mode](#), the refresh rate of the displays will be the same, being limited by the display with the lower refresh rate. [Click here](#) for information on how to change display modes.

### Warning

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

---


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

**This macro selects the Maximum Resolution file to display based on the help file(s) detected.**




## Monitor Attributes

### To adjust the maximum resolution of your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Attributes tab.
- 3 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 4 In the Maximum Resolution box, select the desired setting for maximum resolution.
- 5 Click OK or Apply to save the changes you have made.

### Note

 Your monitor will automatically go into panning mode if the Desktop Area (resolution) on the Settings page exceeds the value for maximum resolution you have selected.


---

{button ,AL(`settings`)} [Related Topics](#)




## Monitor Attributes

### To adjust the maximum resolution of your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Attributes tab.
- 5 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 6 In the Maximum Resolution box, select the desired setting for maximum resolution.
- 7 Click OK or Apply to save the changes you have made.

### Note

 If you have a monitor and a TV enabled, both displays will automatically go into panning mode if the Desktop Area (resolution) on the Settings page exceeds that of the display with the lower resolution.


---

{button ,AL(`settings`)} [Related Topics](#)




## Monitor Attributes

### To adjust the maximum resolution of your monitor

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Attributes tab.
- 5 If your monitor is equipped with a [Display Data Channel](#), click the Use DDC Information button to complete this procedure. Otherwise, go to the next step.
- 6 In the Maximum Resolution box, select the desired setting for maximum resolution.
- 7 Click OK or Apply to save the changes you have made.

### Note

 Where two display devices are enabled and set to different [display modes](#), panning mode will be automatically invoked for each display with a resolution lower than the Desktop Area (resolution) on the Settings page.

---


{button ,AL(`settings`)} [Related Topics](#)

**This macro selects the Monitor Screen Position file to display based on the help file(s) detected.**



## Monitor Adjustment

### To adjust your monitor screen position

- 1 Click here  to view Display Properties.
- 2 Click the Adjustment tab.
- 3 Click one of the four position arrows in the Screen Position area to change your screen position.  
The four position arrows shift your display left, right, up, or down.
- 4 Click OK or Apply to save the changes you have made.

---


{button ,AL(`adjustment')} [Related Topics](#)





## Monitor Adjustment

### To adjust your monitor screen position

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Adjustment tab.
- 5 Click one of the four position arrows in the Screen Position area to change your screen position.  
The four position arrows shift your display left, right, up, or down.
- 6 Click OK or Apply to save the changes you have made.

---


{button ,AL(` adjustment')} [Related Topics](#)

**This macro selects the Monitor Screen Size file to display based on the help file(s) detected.**



## Monitor Adjustment

### To adjust your monitor screen size

- 1 Click here  to view Display Properties.
- 2 Click the Adjustment tab.
- 3 Click the (+) and (-) buttons in the Vertical/Horizontal Screen area to change your screen size.  
The (+) and (-) buttons under Vertical Screen increase/decrease the vertical size of your monitor display.  
The (+) and (-) buttons under Horizontal Screen increase/decrease the horizontal size of your monitor display.
- 4 Click OK or Apply to save the changes you have made.


---

{button ,AL(`adjustment`)} [Related Topics](#)



## Monitor Adjustment

### To adjust your monitor screen size

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Adjustment tab.
- 5 Click the (+) and (-) buttons in the Vertical/Horizontal Screen area to change your screen size.  
The (+) and (-) buttons under Vertical Screen increase/decrease the vertical size of your monitor display.  
The (+) and (-) buttons under Horizontal Screen increase/decrease the horizontal size of your monitor display.
- 6 Click OK or Apply to save the changes you have made.

### Note



Size controls are not available if you have both a monitor and TV enabled.


---

{button ,AL(`adjustment')} [Related Topics](#)




## Monitor Adjustment

### To adjust your monitor screen size

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Adjustment tab.
- 5 Click the (+) and (-) buttons in the Vertical/Horizontal Screen area to change your screen size.  
The (+) and (-) buttons under Vertical Screen increase/decrease the vertical size of your monitor display.  
The (+) and (-) buttons under Horizontal Screen increase/decrease the horizontal size of your monitor display.
- 6 Click OK or Apply to save the changes you have made.

### Note

 Size controls are not available if both a monitor and TV are set to the same [display mode](#). [Click here](#) for information on how to change display modes.

---


{button ,AL(`adjustment')} [Related Topics](#)

**This macro selects the Monitor Synchronization file to display based on the help file(s) detected.**



## Monitor Advanced

### To adjust your monitor synchronization

- 1 Click here  to view Display Properties.
- 2 Click the Advanced tab.
- 3 In the Synchronization box, click the Horizontal or Vertical buttons to adjust synchronization. The button labels switch between (+) and (-) to indicate whether .
- 4 Click OK or Apply to save the changes you have made.


---

{button ,AL(`adjustment')} [Related Topics](#)



## Monitor Advanced

### To adjust your monitor synchronization

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Advanced tab.
- 5 In the Synchronization box, click the Horizontal or Vertical buttons to adjust synchronization.
- 6 Click OK or Apply to save the changes you have made.

---

{button ,AL(`adjustment')} [Related Topics](#)




**This macro selects the Monitor Screen Size/Position Defaults file to display based on the help file(s) detected.**



## Monitor Adjustment

**To reset your monitor screen size and position to default values**

- 1 Click here  to view Display Properties.
- 2 Click the Adjustment tab.
- 3 Click the Defaults button.
- 4 Click OK or Apply to save the changes you have made.


---

{button ,AL(`adjustment')} [Related Topics](#)



## Monitor Adjustment

### To reset your monitor screen size and position to default values

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Adjustment tab.
- 5 Click the Defaults button.
- 6 Click OK or Apply to save the changes you have made.

---


{button ,AL(`adjustment')} [Related Topics](#)

**This macro selects the Monitor Screen Synchronization Defaults file to display based on the help file(s) detected.**



## Monitor Advanced

### To reset your monitor screen synchronization to default values

- 1 Click here  to view Display Properties.
- 2 Click the Advanced tab.
- 3 Click the Defaults button.
- 4 Click OK or Apply to save the changes you have made.


---

{button ,AL(` adjustment')} [Related Topics](#)



## Monitor Advanced

### To reset your monitor screen synchronization to default values

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Advanced tab.
- 5 Click the Defaults button.
- 6 Click OK or Apply to save the changes you have made.

---


{button ,AL(`adjustment')} [Related Topics](#)

**This macro selects the Monitor Screen Resolution/Refresh Rates Defaults file to display based on the help file(s) detected.**



## Monitor Attributes

**To reset your monitor's maximum screen resolution and refresh rates to default values**

- 1 Click here  to view Display Properties.
- 2 Click the Monitor tab.
- 3 Click the Defaults button.
- 4 Click OK or Apply to save the changes you have made.

---


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





## Monitor Attributes

**To reset your monitor's maximum screen resolution and refresh rates to default values**

- 1 Click here  to view Display Properties.
- 2 Click the Displays tab.
- 3 Click the Monitor button.  
Your monitor must be enabled before you can change its display properties. [Click here](#) for more information.
- 4 Click the Monitor tab.
- 5 Click the Defaults button.
- 6 Click OK or Apply to save the changes you have made.

---

{button ,AL(`settings`)} [Related Topics](#)



## Troubleshooting

{button ,JI(`,`TROUBLE\_tips')} Troubleshooting Tips

{button ,JI(`,`TROUBLE\_faqs')} Troubleshooting FAQs

{button ,EF(`atiiprxx.exe`,`,1);CW(`subcon')} Problem Report Wizard

{button ,JI(`,`TROUBLE\_technical\_support')} Technical Support



## 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\_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 display driver does not operate correctly**



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

- 1 Click here  to view Display Properties.
- 2 Click the Settings tab.
- 3 Click Display Type.
- 4 In the Adapter Type area, click Change.
- 5 In the Manufacturers list, select ATI Technologies.
- 6 In the Display list, select the display driver that matches your ATI graphics accelerator product.
- 7 Click OK, then click Close.
- 8 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 ATI graphics accelerator.



It is likely the BIOS is told that this combination is unavailable, based on the selected display device/graphics accelerator configuration.



## **Technical Support**

Please contact your dealer for technical support.



## Frequently Asked Questions

{button ,JI(`,`NEW\_drivers')}` Where can I get the new ATI drivers?

{button ,JI(`>taskwin1`,`ChangeDisplayType2')}` How can I change display drivers?

{button ,JI(`,`TaskbarIcon')}` What is the ATI Taskbar icon for?

**Where can I get the new ATI drivers?**

Please contact your dealer to obtain new ATI enhanced drivers.



Displays the maximum supported resolution and refresh rate for your monitor.

Displays the maximum resolution values available for your monitor.

Displays the maximum refresh rates available for your monitor.

**Warning**



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

Click this button if your monitor is equipped with a Display Data Channel (DDC) -- a data channel used by newer monitors to communicate their properties (such as maximum resolution and refresh rate) to the associated video adapter.

Displays an icon illustrating the size and position of your monitor display.

Positions your monitor display.





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



Shortcuts: [Alt](#) in combination with [J](#), [K](#), [I](#), or [M](#).

Adjusts the size of your monitor display.

 The (+) and (-) buttons under Vertical Screen Size increase/decrease the vertical size of your display. Shortcuts: **Alt** in combination with = (equals) or - (dash).

 The (+) and (-) buttons under Horizontal Screen Size increase/decrease the horizontal size of your display. Shortcuts: **Alt** in combination with ] or [.

Click this button to reset your monitor screen size and position to default values.



Adjusts the Horizontal, Vertical and Composite synchronization of your monitor. Consult your monitor specifications for the recommended settings.



Clicking the Horizontal or Vertical buttons adjusts synchronization.



Clicking the Composite button toggles the composite sync on and off.

Clicking this button adjusts horizontal synchronization.

Clicking this button adjusts vertical synchronization.

Placing a check here combines the horizontal and vertical synchronization signals supplied by your ATI graphics card to your monitor.

**Warning**



**Composite sync should be checked only if you are using a composite sync monitor. Consult your monitor user's manual for information on your monitor type.**

Click this button to reset monitor synchronization to default values.

**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 number of bits associated with each pixel to represent that pixel's color. This is specified as the bpp (bits per pixel) setting. Some common values are:



8 bpp - gives 256 colors



16 bpp - gives 65K colors



32 bpp - gives 16.7M colors

**Display Data Channel**

A data channel used by newer monitors which communicates a monitor's properties (such as maximum resolution and refresh rate) to the associated video adapter. This helps the system present valid options to the user for configuring the display.



Your graphics accelerator allows you to display on-screen contents in distinct display modes, having distinct resolutions and refresh rates.

Placing a check here will optimize your OpenGL settings for quality. Further refinements can be made by adjusting your OpenGL Settings controls.

Placing a check here will optimize your OpenGL settings for performance. Further refinements can be made by adjusting your OpenGL Settings controls.

Placing a check here may increase performance for games that make heavy use of textures, but could also reduce image quality.

Placing a check here enables rapid updates of those portions of your screen that have been moved.

Placing a check here may remove certain onscreen artifacts that are sometimes produced when both dithering and alpha blending are enabled.

Placing a check here will lower the frames per second rate in full screen games but reduce the image tearing that can occur with higher frame rates.

Placing a check here will enable hardware acceleration of page flipping to swap full screen buffers.



Selecting higher values for subpixel precision will result in greater image accuracy but may cause a slight drop in performance.

The Sharp setting is recommended for larger, more detailed, mipmapped scenes.

The Fuzzy setting is recommended for smaller, less detailed, mipmapped scenes.

Placing a check here will lower the frames per second rate in full screen games but reduce the image tearing that can occur with higher frame rates.

Placing a check here will provide smooth object edges but cause some drop in performance.

Placing a check here will cause a drop in performance. You should activate this feature only if the game you are running cannot use other texture formats.

The recommended setting for this feature is 32. Select a lower value only if your application encounters difficulties at this setting.

Clicking this button will add or remove the ATI icon from the taskbar.

Use this feature to rotate your display area.



Drag the slider to the **-90** position to rotate your display area 90° counter-clockwise.



Drag the slider to the **+90** position to rotate your display area 90° clockwise.

Click OK or Apply to save the changes you have made.



Place a check here to activate the list of projector resolutions; then select the appropriate setting from the list of resolutions before clicking Apply.

Select the appropriate resolution for your projector from this list; then click Apply.

**This macro selects the Display Properties file to display based on the help file(s) detected.**



## Display Properties

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



Color page – for correcting color tonal differences between real color values and the way your monitor displays them.



Attributes page – for settings monitor attributes such as the maximum resolution and maximum refresh rate; and for enabling DDC monitor communication.



Advanced page – for adjusting the size and position of your monitor's image.



Adjustment page – for adjusting your monitor's horizontal and vertical synchronization controls.



## Display Properties

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



Color page – for correcting color tone differences between real color values and the way your monitor or flat panel displays them.



Displays page – for enabling/disabling your display device; for launching various properties pages associated with your display device; and for storing various displays schemes for easy recall later.



Display-Dependent Properties pages – for making advanced adjustments to your display devices – for example, adjusting the size and position of your monitor display.

### Note



The Display-Dependent Properties pages are accessed through the Displays page.



## 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 displays 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.



## Desktop

Your Windows desktop is equipped with Smart View. This feature attempts to set up an optimal display area for each display device set to a particular display mode (i.e., resolution and refresh rate). Some of the benefits of Smart View include:



automatically resizing the desktop area to follow changes in source image size.



shows the full desktop area whenever possible.



automatically goes in and out of panning mode whenever required by display device limitations.



display devices do not need to turn off when the size of the desktop exceeds the maximum resolution for that device.

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.

## **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, graphics accelerator, etc.).

## **System Properties**

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

