TV Page

This page lets you view and/or adjust the settings of your TV display.   The settings are:

Auto TV Connection Detection Box
       Composite
       S-Video
       Composite + S-Video

Screen Position
       Left , Right, Up, Down and Center

Color Adjustment
       Tint
       Saturation
       Brightness

Enable TV Taskbar Icon
Enable Underscan
Text Background Color Box
       Optimal
       Restore

Default Setting

Enable TV Taskbar Icon

Check this button to see a TV icon on the Windows taskbar. Uncheck this button to eliminate the icon from the taskbar.   When the TV taskbar icon is enabled, you can click this icon to popup a menu. This menu allows you to adjust TV screen position or to disable the icon itself.

Auto TV Connection Detection

This box contains three status buttons, "Composite," "S-Video," and "Composite + S-Video," which indicate the current status of the TV connection.   The TV connection is automatically detected while Windows starts. The "Light" on the button indicates which type of connection is detected.   Plugging and unplugging the cable is reflected dynamically by these buttons.

Default Setting

Click this button to set your TV settings to the default values below:

- Position: center of the screen
- Tint: slide bar at the right end of the slider bar
- Saturation: slide bar in the middle of the slider bar
- Brightness: slide bar in the middle of the slider bar
- Flick reduction: high
- Text background: Windows desktop background color

Composite

This button is lit when a composite cable is connected between your computer and TV.

S-Video

This button is lit when an S-Video cable is connected between your computer and TV.

Composite + S-Video

This button is lit when both S-Video and composite cables are connected between your computer and TV.

Color Adjustment

This box contains three slider bars to adjust the "Tint," "Saturation," and "Brightness" for your TV display.   The right end of the bar corresponds to the maximum setting.

TV Color Tint

Use the slider bar to adjust the color tint. The default value is the maximum setting.

TV Color Saturation

Use the sliding bar to adjust the color saturation.   Saturation is the amount of color present; for example, a lightly saturated red looks pink.   The default value is in the middle of the adjustable range.

TV Color Brightness

Use the sliding bar to adjust the brightness.   The default value is in the middle of the adjustable range.

Position

These five buttons, left, right, up, down, and center are used for the fine adjustment of the display position on the screen.   You can shift the display on the screen by clicking on the arrow buttons. There is a limit to the amount you can shift in any one direction. When the limit is reached, the display stops shifting.

Left

Click this button to shift the display to the left of the screen.

Right

Click this button to shift the display to the right of the screen.

Up
Click this button to shift the display higher on the screen.

Down
Click this button to shift the display lower on the screen.

Center

Click this button to center the display on the screen.

Flicker Reduction Box

Due to the nature of Interlaced Display for TV, the screen may flicker during normal display. There are four levels of Flicker Reduction: "None," "Low," "Medium," and "High." Flicker Reduction is achieved at the expense of image sharpness.

Flicker None

Check here if you do not want to apply any Flicker Reduction.

Flicker Low

Check here to apply the minimum level of Flick Reduction.

Flicker Medium

Check here to apply the medium level of Flicker Reduction.   This level is suitable for S-Video output.

Flicker High

Check here to apply the maximum level of Flicker Reduction.   This level is suitable for Composite output.

Enable Underscan

Check this button to see TV display mode with underscan. Uncheck this box to see overscan mode.   Overscanning results in some of the video being lost beyond the edges of the screen. Underscanning modifies the video timing so that the entire video signal appears in a rectangle centered on the television screen with a black border.

Text Background Box

This box contains two buttons, "Optimal " and "Restore ," to select TV background color.

Optimal

Click here to obtain the background color most suitable for TV viewing.

Restore

Click here to restore the background color to the previous setting.

Flat Panel Page

Display Stretch

Use this check box when the display image is smaller than the LCD panel. You can choose to expand the image to fill the panel or keep the size of the original image and display it in the center of the panel. The default setting for the box is "unchecked"; the display image is centered without any expansion.

Color Page

Due to the difference in electrical characteristics, the color of the same source image looks different on different display devices (such as CRT vs. LCD). This page describes how to correct these deviations using "Gamma Adjustment." This utility works only if your display is in high color (16bpp) or true color (24bpp/32bpp) mode.   This page contains the following items:

Re-load a bitmap

Gamma Adjustment Box:
        Gamma Curves
        Red, Green and Blue Radio Buttons
        Link
        Save
        Load
        Reset

Re-load a bitmap

Click this button to load a sample image to the preview box and view the effect of Gamma correction. The default sample image is your wallpaper bitmap.

Gamma Adjustment Box

This control box provides you with two ways for Gamma Adjustment.   You can perform the adjustment either by using the slider bar or by pointing and dragging the graphical curve.   The value of Gamma correction for each color is shown on the right side of the slider bar. You also can save your current Gamma settings to a .gam file or restore Gamma settings from a .gam file.

Slider Bar (blue)

Move this slider to change your blue Gamma setting.

Slider Bar (green)

Move this slider to change your green Gamma setting.

Slider Bar (red)

Move this slider to change your red Gamma setting.

Link

Check this box to simultaneously change Red, Green, and Blue Gamma settings. To change Red, Green and Blue Gamma settings separately, uncheck this box.

Gamma Curves

The Gamma curves for Red, Green, and Blue show the relationship between the original and corrected data.   A straight line in the graph has a Gamma value of 1, indicating there is no Gamma correction. You can perform the adjustment by pointing and dragging the graphical curve inside this box.   The value of Gamma correction for each color is shown on the right side of the slider bar.

Red, Green and Blue Radio Buttons

Check these buttons to individually adjust Red, Green, or Blue Gamma correction levels. If the Link box is checked, all three colors are adjusted simultaneously.

Blue Radio Button

Check this button for Blue Gamma adjustment. You can perform this adjustment either by moving the slider or by pointing and dragging blue graphical curve. When the "Link" box is checked, this button has no effect.

Green Radio Button

Check this button for Green Gamma adjustment. You can perform this adjustment either by moving the slider or by pointing and dragging green graphical curve. When the "Link" box is checked, this button has no effect.

Red Radio Button

Check this button for Red Gamma adjustment. You can perform this adjustment by moving the slider or by pointing and dragging red graphical curve. When the "Link" box is checked, this button has no effect.

Save Button

Click this button to save the current Gamma settings to a .gam file.

Load Button

Click this button to load the Gamma settings from a .gam file.

Reset Button

Click this button to reset the Gamma setting to 1.   No Gamma correction is implemented.

Display Device Page

[Display Device Page for Windows 95/NT4.0](#)
[Display Device Page for Windows 98/NT5.0](#)

Display Device Page for Windows 95/NT4.0

The "Display Device Page" can be used to switch display device(s) from one combination to another.

Display Devices Box:
        LCD
        LCD/CRT (simulateous display/dual display)
        CRT
        LCD/TV (dual display)
        TV

Enable Different Refresh Rate
Video Output on LCD

TV Standard Option

Display Device Page for Windows 98/NT5.0

The "Display Device Page" can be used to switch display device(s) from one combination to another.

Display Devices Box:
            LCD
            LCD/CRT (simulateous display)
            CRT
            TV

Multi-Monitor Devices Box:
            LCD/CRT(multi-monitor display)
            LCD/TV(multi-monitor display)

TV Standard Option

Target Display Device

This box indicates the user-selected display device(s).   When you select a new device button in "Display Devices" box, the box is updated.

Display Devices Box

The selections in this box let you choose a single display device or a combination of display devices in either single view or dual display. Single view display modes include LCD only, LCD/CRT (simultaneous), CRT only, or TV only. Dual display modes include LCD/CRT (dual display) or LCD/TV (dual display). LCD/CRT (single view) is similar to LCD/CRT (dual display) in that both devices display the same image. However, in LCD/CRT (dual display) mode, the two display devices may have different refresh rates. Use the "Enable Different Refresh Rate" checkbox to specify whether LCD/CRT is in single view mode or dual display mode. Please note that LCD/TV is always a dual display device. If you uncheck the "Enable Different Refresh Rate" checkbox, the "LCD/TV" button in "Display Device" group box is disabled.

Display Devices Box

The selections in this box let you choose a single display device or a combination of display devices in single view mode.

LCD

Click this button to enable the LCD as the only display device.

LCD/CRT

Click this button to enable both the LCD and CRT as the display devices in simultaneous mode or dual display mode.

In Windows 95/NT4, its display mode is determined by current status of "Enable Different Refresh Rate".

In Windows 98/NT5, this choice always means to enable the LCD and CRT as the simultaneous display mode.

CRT

Click this button to enable the CRT as the only display device.

LCD/TV

Click this button to enable both the TV and LCD as the display devices in dual display mode.

TV

Click this button to enable the TV as the only display device.

Dual Display Mode

Dual display modes include LCD/CRT (dual display) or LCD/TV (dual display). Dual display modes are only supported in Windows 95/NT4.0. The two display devices in dual display mode can have different refresh rate.   Because LCD/CRT can also be single view mode (simultaneous), you can use the "Enable Different Refresh Rate" checkbox to specify whether LCD/CRT is in single view mode or dual display mode. Please note that LCD/TV is always a dual display device. If you uncheck the "Enable Different Refresh Rate" checkbox, the "LCD/TV" button in "Display Device" group box is disabled.

Multi-Monitor Devices Box

The selections in this box lets you choose a Multi-Monitor device when you enable an extend monitor under Windows 98/NT5.0. This box is enabled only your current selected device is LCD because it is ambiguous that whether CRT or TV will be the extended monitor.   Please note that your selection in this box will affect the result of "Settings" page.

Multi-Monitor LCD/CRT

Click this button to enable both the LCD and CRT as the display devices in multi-monitor display mode. This option only exists in Windows 98.

Multi-Monitor LCD/TV

Click this button to enable both the TV and LCD as the display devices in multi-monitor display mode. This option only exists in Windows 98.

Enable Different Refresh Rate

Check this button to see dual display mode with LCD and CRT display devices. Uncheck this box to see single view mode.

Dual display modes include LCD/CRT (dual display) or LCD/TV (dual display). Dual display modes are only supported in Windows 95/NT4.0. The two display devices in dual display mode can have different refresh rate. Because LCD/CRT can also be single view mode (simultaneous), you can use the "Enable Different Refresh Rate" checkbox to specify whether LCD/CRT is in single view mode or dual display mode. Please note that LCD/TV is always a dual display device. If you uncheck the "Enable Different Refresh Rate" checkbox, the "LCD/TV" button in "Display Device" group box is disabled.

Video output on LCD

Check this box to view the video playback on the LCD. The video playback is not shown on the CRT or TV.   Uncheck this box to enable the video playback on the TV or CRT, but not the LCD.

TV Standard

If you select TV as one of the display devices, you can select NTSC or PAL TV output.

Video Page

[Brightness Slider Bar](#)
[Contrast Slider Bar](#)
[Hue Slider Bar](#)
[Saturation Slider Bar](#)
[Enable Video Taskbar Icon](#)
[Save Button](#)
[Load Button](#)
[Reset Button](#)

Brightness Slider Bar

Move this slider to adjust the brightness of your video window .

Contrast Slider Bar

Move this slider to adjust the contrast of your video window.

Hue Slider Bar

Move this slider to adjust the color hue of your video window.

Saturation Slider Bar

Move this slider to adjust the color saturation of your video window.

Enable Video Taskbar Icon

Check this box to add a video icon on the Windows taskbar.

You can click on the icon to pop up a control panel. This panel allows

you to adjust the video window color, save current color settings, load a previous color settings or reset with default color settings.

Uncheck this box to eliminate the icon from the taskbar.

Save Button

Click this button to save the current video window color settings to a .vid file.

Load Button

Click this button to load the video window color settings from a previously saved .vid file.

Reset Button

Click this button to reset the video window color settings to the following default values:

brightness 0
contrast   0
hue   0
saturation 0