

Contents

Overview

[What is STB Vision 95?](#)
[Installation and Configuration Overview](#)
[Feature Overview](#)

Installation

[Installation With the Display Properties / Settings Dialog](#)

Configuration

[Configuration With the STB Vision 95 Control Panel](#)

[The Control Panel Interface](#)

[The Icon Toolbar Interface](#)

[Control Panel Options](#)

[Icon Toolbar Options](#)

[Multiple Desktop Options](#)

[Zoom Options](#)

[Bird's Eye Options](#)

[Monitor Options](#)

[Command Line Interface](#)

[Command Line Options](#)

[Integration With the Display Properties / Settings Dialog](#)

Feature Operation

[Icon Toolbar Operation](#)

[Virtual Desktop Operation](#)

[Dynamic Desktop Area and Resolution Switching \(Zoom In / Zoom Out\) Operation](#)

[Multiple Desktop Operation](#)

[Zoom Window Operation](#)

[Bird's Eye Window Operation](#)

[Status Display Operation](#)

Troubleshooting

[Recovering from an Invalid Windows 95 Display Configuration](#)

[Resolving Hotkey Conflicts](#)

Product-Specific Information

What is STB Vision 95?

STB Vision 95 is an integrated Windows 95 display driver and utility package designed to increase your productivity as you work within the Microsoft Windows 95 environment. STB Vision 95 does this by providing easy to use display driver installation and configuration and a collection of advanced features that enhance the capabilities of your Windows 95 display device.

STB Vision 95 supports these features:

- Control Panel
- Icon Toolbar
- Virtual Desktop
- Dynamic Desktop Area and Resolution Switching (Zoom In/Out)
- Multiple Desktops
- Zoom Window
- Bird's Eye Window
- Monitor Options (with Dynamic Refresh and Centering Control)
- Status Display

For an overview of installation and configuration or features, select one of the highlighted topics below.

[Installation and Configuration Overview](#)

[Feature Overview](#)

[Product-Specific Information](#)

Installation and Configuration Overview

The Windows 95 Display Properties / Settings dialog is used to install STB Vision 95. See [Installation With the Display Properties / Settings Dialog](#) for instructions on how to start the Display Properties / Settings dialog.

The STB Vision 95 Control Panel, STBVISN.EXE, is used to configure STB Vision 95. Start the Control Panel by clicking button 1 on its icon on the system's taskbar, or by typing its hotkey. The default hotkey is Ctrl+Alt+C. Change hotkey and other options with the Control Panel Options dialog, which is accessible from the Control Panel window's system menu (i.e. the icon in the very upper left corner of the window).

The STB Vision 95 Icon Toolbar provides an alternative configurable interface for selecting your display setting and starting the other STB Vision 95 features. Switch to the Icon Toolbar interface by clicking button 1 on its icon on the Control Panel. The Icon Toolbar uses the same hotkey as the Control Panel (Ctrl+Alt+C). Change the position of icons on the Icon Toolbar by dragging and dropping them right on the toolbar. Add and remove icons with the Icon Toolbar Options dialog, which is accessible from the system menu of the Icon Toolbar and Control Panel windows, and by clicking button 2 on the Icon Toolbar icon on the Control Panel.

The Control Panel or the Icon Toolbar are where you select your Display Setting. A display setting consists of a particular combination of Color Palette, Desktop Area, Resolution, and Font Size selections. After you have selected a new display setting, select 'OK' or 'Apply' to activate it. You can optionally save settings by name and later recall them, making it easy to switch between the different settings you use frequently.

Context-sensitive help information is available for STB Vision 95 by selecting the 'Help' button on any STB Vision 95 dialog, or from the system menu on any STB Vision 95 window. Also, the README.STB file containing information specific to your STB product can be viewed by selecting the 'Read Me' button on the Control Panel.

See Also:

[Installation With the Display Properties / Settings Dialog](#)
[Configuration With the STB Vision 95 Control Panel](#)
[Integration With the Display Properties / Settings Dialog](#)

Feature Overview

Icon Toolbar

The STB Vision 95 Icon Toolbar is an alternative interface to the STB Vision 95 Control Panel for configuring and controlling STB Vision 95. The Icon Toolbar can be configured to perform most common operations that can be performed with the Control Panel, such as changing the display setting or starting the feature windows. At any given time, either the Control Panel **or** the Icon Toolbar is the active interface for configuring and controlling STB Vision 95. You can switch from the Control Panel to the Icon Toolbar by clicking button 1 on its icon on the Control Panel. You can switch from the Icon Toolbar to the Control Panel by clicking button 1 on the "Vision eye" icon on the Icon Toolbar.

Virtual Desktop

The Virtual Desktop allows Windows 95's Desktop Area to be larger than the Resolution actually displayed on your monitor. The Virtual Desktop is like having a larger display than you really have, providing you with more "screen real-estate" on which to run your applications. Select the Desktop Area and Resolution from the STB Vision 95 Control Panel's Display Setting group. Pan around the desktop by dragging the mouse cursor past an edge of the screen, or by using the Bird's Eye Window. In concert with Dynamic Resolution Switching, the virtual desktop allows you to "zoom in" or "zoom out" to see more detail or get more of an overview of your document or desktop.

If you own the "ultimate" professional monitor, capable of displaying high resolutions at high refresh rates, then the virtual desktop may not be for you. However, if you own a low to moderate capability "consumer" monitor, then the virtual desktop allows you to run Windows 95 with a larger Desktop Area and at higher refresh rates than otherwise possible by displaying a Resolution on your monitor that is less than the Desktop Area.

The Virtual Desktop can increase your productivity by running applications at the larger Desktop Area. When applications run with a larger Desktop Area they generally display more information at a time in their windows. This results in you needing to scroll within your document less frequently, and the application performing window updates less frequently, which can be time-consuming operations. Panning within the Virtual Desktop by either moving past an edge of the display or with the Bird's Eye window are quick and easy operations that do not slow application performance.

Dynamic Desktop Area and Resolution Switching (Zoom In/Out)

You can change Windows 95's Desktop Area and the Resolution displayed on your monitor without restarting Windows 95. Select the new Desktop Area and/or Resolution on the Control Panel and then select 'OK' or 'Apply' to perform the switch. You can also switch from the Icon Toolbar. The Icon Toolbar comes pre-configured with icons for switching to all resolutions supported by your product. You can use the Icon Toolbar Options dialog to add the icons for switching to your favorite Desktop Area selections.

In concert with the Virtual Desktop, Dynamic Resolution Switching, allows you to "zoom in" or "zoom out" to see more detail or get more of an overview of your document or desktop. To "zoom in", switch to a lower resolution. To "zoom out", switch to a higher resolution.

Multiple Desktops

The Multiple Desktop is an alternative approach to the Virtual Desktop for providing more "screen real-estate" on which to run your applications. Multiple Desktops make it easier for you to organize your work by allowing different groups of applications to run on different desktops, and making it quick and easy to switch between the different desktops and the applications that are running on them. Multiple Desktops are like having more than one display, only one of which can be seen at a time.

Switch between desktops by using hotkeys you assign or by using the Multiple Desktop Manager. Start the Multiple Desktop Manager by clicking button 1 on its icon on the Control Panel, or by typing its hotkey. The default hotkey is Ctrl+Alt+D. Change hotkey and other options with the Multiple Desktop Options dialog, which is accessible from the system menu of the Control Panel window, and by clicking button 2 on the Multiple Desktop icon on the Control Panel.

Zoom Window

The Zoom Window shows a magnified view of a selected area of the display. This makes it easy to see fine details, even individual pixels, of the document or image you are working on. This is useful when performing functions such as image editing.

Start the Zoom Window by clicking button 1 on its icon on the Control Panel, or by typing its hotkey. The default hotkey is Ctrl+Alt+Z. Change hotkey and other options with the Zoom Options dialog, which is accessible from the system menu of the Control Panel window, and by clicking button 2 on the Zoom Window icon on the Control Panel.

Bird's Eye Window

The Bird's Eye Window shows a reduced view of your entire Virtual Desktop. Click button 1 within the Bird's Eye Window to pan to a selected area of the Virtual Desktop. You can also use the Bird's Eye Window to get a quick overview of where your windows are located on your Virtual Desktop.

Start the Bird's Eye Window by clicking button 1 on its icon on the Control Panel, or by typing its hotkey. The default hotkey is Ctrl+Alt+B. Change hotkey and other options with the Bird's Eye Options dialog, which is accessible from the system menu of the Control Panel window, and by clicking button 2 on the Bird's Eye Window icon on the Control Panel.

Monitor Options (with Dynamic Refresh and Centering Control)

The Monitor Options dialog is where you control vertical refresh rates and adjust image centering. Your changes are "live", they take effect immediately without having to restart Windows 95. You can also control how dialog and message boxes are centered on the virtual desktop, choosing to center them on the monitor, the virtual desktop, or to use the Windows 95's default centering approach.

Start the Monitor Options dialog by clicking button 1 on its icon on the Control Panel or Icon Toolbar.

See [Installation With the Display Properties / Settings Dialog](#) file for instructions on how to select a monitor.

Status Display

The Status Display displays detailed configuration information that is useful in diagnosing any problems you may experience. You can print the information or copy it to the clipboard.

Start the Status Display from the Control Panel window's system menu (i.e. the icon in the very upper left corner of the window).

See Also:

[Icon Toolbar Operation](#)

[Virtual Desktop Operation](#)

[Dynamic Desktop Area and Resolution Switching \(Zoom In/Out\) Operation](#)

[Multiple Desktop Operation](#)

Zoom Window Operation
Bird's Eye Window Operation
Monitor Options Operation
Status Display Operation

Installation With the Display Properties / Settings Dialog

The Windows 95 Display Properties / Settings dialog is used to install STB Vision 95. Start the Display Properties / Settings dialog by right clicking anywhere on the Windows 95 desktop, selecting Properties from the popup menu, then selecting the Settings tab. You can also start the Display Properties / Settings dialog by selecting Display on the Windows 95 Control Panel. Start the Windows 95 Control Panel from the My Computer folder on the Windows 95 desktop.

When changing display adapters it is recommended that you first configure your system to use the standard VGA or super VGA display driver before removing your old display adapter board and installing the new one. Although this step is not necessarily required under all circumstances, you are less likely to experience installation problems if you follow it.

To configure your system to use the standard VGA or super VGA display driver, select Change Display Type from the Display Properties / Settings dialog. Then select Change from the Adapter Type group of the Change Display Type dialog, then select Show all devices from the Select Device dialog, then select (Standard display types) under Manufacturers and either VGA or Super VGA under Models, then select OK from the Select Device dialog, then select Close from the Change Display Type dialog, then select Yes to restart your computer.

To install STB Vision 95, select Change Display Type from the Display Properties / Settings dialog. Then select Change from the Adapter Type group of the Change Display Type dialog, then select Have Disk from the Select Device dialog, then enter the path to your STB Vision 95 release disk or directory. At this point, you are presented with the list of STB products supported by your STB Vision 95 release. Select the line for your STB product that ends in "(with STB Vision 95)" to install the display drivers for your product and the STB Vision 95 interface and features. Select the line that ends in "(without STB Vision 95)" to install ONLY the display drivers for your product (in this case the STB Vision 95 interface and features described in this file are not installed). The system will copy the drivers and STB Vision 95 files from the release disk or directory to your system and return you to the Change Display Type dialog.

At this point, you should look at the selected monitor in the Monitor Type group and change it if it does not match the monitor you have attached to your system. To change the monitor, select Change in the Monitor Type group, then select Show all devices on the Select Device dialog, then select your monitor manufacturer and model and select OK. Finally, select Close on the Change Display Type dialog, select your initial Display Setting on the Display Properties / Settings dialog, then select Close, then select Yes to restart your computer.

After your computer and Windows 95 restart, your initial Display Setting should be active and the STB Vision 95 Control Panel will start. If for some reason Windows 95 does not successfully restart and you suspect that you may have an invalid display configuration, see [Recovering from an Invalid Windows 95 Display Configuration](#) for information on how to recover.

The STB Vision 95 Control Panel, STBVISN.EXE, is used to configure STB Vision 95. It starts automatically the first time Windows 95 restarts after installing STB Vision 95. It selects a default Refresh Rate Limit that is suitable for your selected monitor and it starts the Monitor Options dialog, where you must select OK or Apply to test the selected Refresh Rate Limit. At this point, you are returned to the STB Vision 95 Control Panel, where you select your display setting and start and configure the STB Vision 95 features.

See Also:

[Configuration With the STB Vision 95 Control Panel](#)
[Integration With the Display Properties / Settings Dialog](#)
[Recovering from an Invalid Windows 95 Display Configuration](#)

Configuration With the STB Vision 95 Control Panel

The STB Vision 95 Control Panel, STBVISN.EXE, is used to configure STB Vision 95. Start the Control Panel by clicking button 1 on its icon on the system's taskbar, or by typing its hotkey. The default hotkey is Ctrl+Alt+C.

The Control Panel is where you select your display setting. A display setting consists of a particular combination of Color Palette, Desktop Area, Resolution, and Font Size selections. After you have selected a new setting, select 'OK' or 'Apply' to activate it. You can optionally save settings by name and later recall them, making it easy to switch between the different settings you use frequently. Configuration may be canceled by selecting 'Cancel'. In this case, no changes are made to your display setting.

See [The Control Panel Interface](#) for detailed instructions on how to use the Control Panel.

See Also:

[The Control Panel Interface](#)

[The Icon Toolbar Interface](#)

[Control Panel Options](#)

[Icon Toolbar Options](#)

[Multiple Desktop Options](#)

[Zoom Options](#)

[Bird's Eye Options](#)

[Monitor Options](#)

[Integration With the Display Properties / Settings Dialog](#)

[Recovering from an Invalid Windows 95 Display Configuration](#)

[Resolving Hotkey Conflicts](#)

The Control Panel Interface

Changing the Display Setting

The STB Vision 95 Control Panel is where you select your Display Setting. A display setting consists of a particular combination of Color Palette, Desktop Area, Resolution, and Font Size selections. After you have selected a new display setting, select 'OK' or 'Apply' to activate it. Selecting 'OK' activates the new display setting and minimizes the Control Panel window. Selecting 'Apply' does not minimize the Control Panel window. Select 'Cancel' if you wish to discard your changes.

The Control Panel only allows you to select display settings that are valid on your STB product **and for your selected monitor**. This protects you from the possibility of selecting an invalid setting and creating an invalid Windows 95 display configuration, which would prevent Windows 95 from running until the problem was corrected. The Control Panel displays only the selections for Color Palette, Desktop Area, Resolution, and Font Size that are presently valid.

If any of the selections for Color Palette, Desktop Area, Resolution, or Font Size would be made invalid when you make a new selection for one of these parameters, the Control Panel will force the selection(s) that would become invalid to the nearest valid value. For example, if you have 'Large' Font Size selected and you select 640x480 for Desktop Area, then Font Size will be forced to 'Small', because 'Large' fonts are not supported for a Desktop Area of 640x480.

Saving and Recalling Display Settings

You can optionally save settings by name and later recall them. This is a quick and easy way to switch between the different settings you use frequently. Up to ten settings can be saved at a time. To save a setting select the desired Color Palette, Desktop Area, Resolution, and Font Size, then type a name into the 'Saved Settings' list box, then select 'Save'. To recall a setting select it in the 'Saved Settings' list box. To activate the recalled setting select 'OK' or 'Apply'. To remove a setting select it in the 'Saved Settings' list box and select 'Remove'. To replace an existing saved setting select it in the 'Saved Settings' list box, then select the desired Color Palette, Desktop Area, Resolution, and Font Size, then select 'Save'. Changes to saved settings are made at the time you select 'Save' and 'Remove'; you cannot discard your saved settings changes by selecting 'Cancel'.

Changing Feature Options with the Options Dialogs

You can select options for the Icon Toolbar, Multiple Desktop, Zoom Window, Bird's Eye Window, and Monitor Options features from the options dialogs that are accessible from the Control Panel by clicking button 2 on the respective icon, or from the system menu. These options include the hotkeys used for direct invocation, as well as general options that control window appearance and behavior, and options that are specific to each feature.

Starting Features with the Feature Icons

You can start the Icon Toolbar, Multiple Desktop Manager window, the Zoom Window, Bird's Eye Window, and Monitor Options features from the Control Panel by clicking button 1 on the respective icon.

Starting the Control Panel with a Hotkey

You can start the Control Panel using a hotkey you specify on the Control Panel Options dialog. At any given time **either** the Control Panel or the Icon Toolbar is the active STB Vision 95 interface. Pressing the hotkey sequence when the Control Panel is minimized or hidden will restore the Control Panel and make it visible. Pressing the hotkey sequence when the Control Panel is visible will minimize or hide the Control Panel.

See [Specifying Hotkey Key Sequences](#) for instructions on how to enter hotkey key sequences into the hotkey edit control on this dialog.

Exiting the Control Panel

Select 'Exit' to exit the Control Panel. Exiting the Control Panel terminates the application, and also disables the STB Vision 95 features (with the exception of the Virtual Desktop) and hotkeys. To reenab the STB Vision 95 features and hotkeys, you must run the Control Panel again.

The STB Vision 95 installation process appends 'STBVISN.EXE' to the end of the 'Load=' line in the WIN.INI file so that the Control Panel will load automatically every time you start Windows 95. This saves you time by not requiring you to manually run it to enable the advanced features and hotkeys. You can manually remove 'STBVISN.EXE' from the 'Load=' line if you do not want the features and hotkeys to be available every time you start Windows 95.

Help and README Information

Context-sensitive help information is available for the Control Panel by selecting 'Help'. The README.STB file containing information specific to your STB product can be viewed by selecting 'ReadMe'.

See Also:

[Control Panel Options](#)

[Integration With the Display Properties / Settings Dialog](#)

[Recovering from an Invalid Windows 95 Display Configuration](#)

[Resolving Hotkey Conflicts](#)

The Icon Toolbar Interface

General Operation

The STB Vision 95 Icon Toolbar allows you to perform most common operations you would perform from the STB Vision 95 Control Panel by simply clicking on the appropriate icon in the Icon Toolbar window. Operations that can be performed with the Icon Toolbar include:

- Changing the Display Setting
- Switching to a Saved Display Setting
- Starting the Feature Windows
- Starting the Feature Options Dialogs
- Starting the Control Panel
- Viewing Help and README Information
- Exiting the Control Panel/Icon Toolbar

To perform an operation using the Icon Toolbar, position the mouse cursor over the desired icon and click button 1.

A status area at the bottom of the Icon Toolbar window displays a description of the operation performed by the icon that the mouse cursor is presently over. This lets you determine what operation an icon will perform without actually performing the operation.

To change the left-to-right order that icons appear on the Icon Toolbar just "drag-and-drop" each icon to its new desired location.

The Icon Toolbar comes configured with a default set of icons. You add, remove, or modify icons using the 'Icon Toolbar Options' dialog. The Icon Toolbar works via the STBVISN.EXE's command line interface. Any operation that is supported through the command line interface can be assigned to an icon.

You switch to the Icon Toolbar from the Control Panel by clicking button 1 on the 'Icon Toolbar' icon. You switch to the Control Panel from the Icon Toolbar by clicking button 1 on the "Vision eye" icon, which by default is assigned the "STBVISN -C" command.

See Also:

[Icon Toolbar Options](#)

[Command Line Interface](#)

[Integration With the Display Properties / Settings Dialog](#)

[Recovering from an Invalid Windows 95 Display Configuration](#)

Control Panel Options

Window Options

The selections in the Window Options group box control the appearance and behavior of the STB Vision 95 Control Panel window.

Desktop icon controls whether or not an icon appears on the desktop when the Control Panel is minimized. If this item is selected, the desktop icon is enabled and appears on the desktop. If this item is not selected, the desktop icon is disabled and does not appear on the desktop. When the desktop icon is disabled the Control Panel is hidden and it does not appear in the Alt+Tab window list. To activate the Control Panel in this situation you must use the hotkey (if you have assigned one), or use the system's 'Start' 'Run' menu command to directly run STBVISN.EXE.

Always on top controls whether or not the Control Panel always appears on top of most other windows on your desktop. If this item is selected, the Control Panel always appears on top of most other windows on your desktop. If this item is not selected, then other windows are allowed to overlay on top of the Control Panel.

HotKey

The Hotkey group box edit control allows you to assign a hotkey that can be used to switch to or hide the Control Panel. Pressing the hotkey sequence when the Control Panel is minimized or hidden will restore the Control Panel. Pressing the hotkey sequence when the Control Panel is visible will minimize or hide the Control Panel.

See [Specifying Hotkey Key Sequences](#) for instructions on how to enter hotkey key sequences into the hotkey edit control on this dialog.

Prompts

Prompt on Windows restart controls whether or not the Control Panel prompts you after changing a selection which requires a Windows 95 restart. If this item is selected, the Control Panel will prompt you before it restarts Windows 95. If this item is not selected, the Control Panel will restart Windows 95 without prompting you.

Prompt on STB Vision exit controls whether or not the Control Panel prompts you to confirm that you wish to exit the Control Panel or not. If this item is selected, the Control Panel will prompt you before it exits. If this item is not selected, the Control Panel will exit without prompting you. Once you exit the Control Panel the STB Vision 95 features and hotkeys are not available until you run the Control Panel again.

Prompt on no 'Load=' controls whether or not the Control Panel prompts you when it detects that 'STBVISN.EXE is not present in the WIN.INI 'Load=' line. If this item is selected, the Control Panel will prompt you when it detects this situation and ask if you wish to configure your system to automatically load the Control Panel every time Windows 95 starts. If this item is not selected, the Control Panel will not prompt you when it detects this situation.

See Also:

[The Control Panel Interface](#)
[Resolving Hotkey Conflicts](#)

Icon Toolbar Options

The Icon Toolbar Options dialog is used to edit the Icon Toolbar configuration. You can add or remove icons and change the operations (i.e. commands) associated with icons using this dialog. When finished editing the Icon Toolbar, select 'OK' to save your changes, or select 'Cancel' to discard your changes.

Icons that are located in the Current Configuration group indicate the Icon Toolbar's current configuration. To remove an icon from the Icon Toolbar, select the icon and then select 'Remove'. The icon is removed from the Current Configuration group. However, it is not removed from the Icon Toolbar until you select 'OK' to save your changes.

Icons that are located in the Icon Palette group are the set of icons available for use with the Icon Toolbar. To add an icon to the Icon Toolbar, select the icon and then select 'Add'. The icon is added to the Current Configuration group. However, it is not added to the Icon Toolbar until you select 'OK' to save your changes. You can have up to 30 icons on the Icon Toolbar.

To change the operation assigned to an icon, select the icon in the Current Configuration group and use the Command Line edit control. This edit control contains the command line that is executed when the icon is selected on the Icon Toolbar. Most entries in the Command Line edit control begin with STBVISN in order to invoke STB Vision 95's command line interface. Some icons start other Windows applications by specifying their executable filename in the edit control.

To change the description assigned to an icon, select the icon in the Current Toolbar Configuration group and edit the text in the Description edit control. The description appears in the Icon Toolbar window's status area when the mouse cursor is moved over an icon.

See Also:

[Icon Toolbar Operation](#)

[Command Line Interface](#)

[Recovering from an Invalid Windows 95 Display Configuration](#)

Multiple Desktop Options

Mode

The Mode group box controls whether the Multiple Desktop feature is on or off.

On enables the Multiple Desktop feature. When the Multiple Desktop feature is on, you can use your assigned hotkeys or the Multiple Desktop Manager window to switch between desktops and move windows from desktop to desktop. Upon selecting 'OK' after turning on the Multiple Desktop feature the default desktop is activated.

Off disables the Multiple Desktop feature. When the Multiple Desktop feature is off you cannot switch between desktops and the Multiple Desktop Manager window is not available. If multiple desktops were defined and in use at the time the Multiple Desktop feature is turned off, then all windows on all desktops are brought to the current desktop immediately after 'OK' is selected, and the Pattern and Wallpaper that were active at the time the Multiple Desktop feature was turned on are restored.

HotKey

The Hotkey group box edit control allows you to assign a hotkey that can be used to switch to or hide the Multiple Desktop Manager window. Pressing the hotkey sequence when the Multiple Desktop Manager window is minimized or hidden will restore the Multiple Desktop Manager window. Pressing the hotkey sequence when the Multiple Desktop Manager window is visible will minimize or hide the Multiple Desktop Manager window.

See [Specifying Hotkey Key Sequences](#) for instructions on how to enter hotkey key sequences into the hotkey edit control on this dialog.

Window Options

The selections in the Window Options group box control the appearance and behavior of the Multiple Desktop Manager window.

Always on top controls whether or not the Multiple Desktop Manager window always appears on top of most other windows on your desktop. If this item is selected, the Multiple Desktop Manager window always appears on top of most other windows on your desktop. If this item is not selected, then other windows are allowed to overlay on top of the Multiple Desktop Manager window.

Desktops

The selections in the Desktops group box allow the attributes of your different desktops to be defined, saved, recalled, and removed. The desktop attributes consist of the desktop name, a hotkey used to switch to the desktop, a bitmap or pattern used as the background on the desktop, and the resolution to use on the desktop.

Hotkey The Hotkey group box edit control allows you to assign a hotkey that can be used to directly switch to a desktop. See above for a description of how to specify and remove hotkeys using this edit control.

Background The Background group box allows you to select a bitmap (BMP) file or pattern to be used as the desktop background. Select 'Default' to use the Pattern and/or Wallpaper specified with the Windows 95 Display Properties / Background dialog. Select 'None' to use the 'Desktop' screen element color specified with the Windows 95 Display Properties / Appearance dialog as your

background. The listed bitmap files are those found in your Windows 95 directory, but you can enter a path to any bitmap file on your system if you choose. The listed patterns are those found in the CONTROL.INI file maintained by Windows 95 Display Properties / Background dialog. You can use the Display Properties / Background dialog to edit existing patterns or create new ones. The 'Tiled' and 'Centered' radio buttons allow you to specify if you want your bitmap file or pattern to be tiled or centered on the desktop. If you select 'Default', 'None', or a pattern for your background, then the 'Tiled' and 'Centered' selections are disabled.

Resolution The Resolution group box allows you to select the default resolution at which the desktop will run. If you select a resolution other than 'Default' then a dynamic resolution switch will occur (if necessary) when you switch to this desktop. This feature works in concert with the Virtual Desktop feature. If a Virtual Desktop display setting is not active, or if the selected resolution is not available in the current Virtual Desktop display setting, then the dynamic resolution switch will not occur when you switch to this desktop.

Saved Desktops The Saved Desktops group box allows you to save, recall, and remove desktops by name. Up to ten desktops can be saved at a time. To save a desktop select the desired Hotkey, Background, and Resolution, then type a name into the 'Saved Desktops' list box, then select 'Save'. To recall a desktop select it in the 'Saved Desktops' list box. To remove a desktop select it in the 'Saved Desktops' list box and select 'Remove'. To replace an existing saved desktop select it in the 'Saved Desktops' list box, then select the desired Hotkey, Background, and Resolution, then select 'Save'. Changes to saved settings are made at the time you select 'Save' and 'Remove'; you cannot discard your saved desktops changes by selecting 'Cancel'.

See Also:

[Multiple Desktop Operation](#)

[Resolving Hotkey Conflicts](#)

Zoom Options

Mode

The Mode group box controls whether the Zoom Window is in dynamic mode, in static mode, or off.

Dynamic enables the Zoom Window feature in dynamic mode. When the Zoom Window is in dynamic mode, the contents of the Zoom Window client area are dynamically updated as the mouse cursor moves across the display.

Static enables the Zoom Window feature in static mode. When the Zoom Window is in static mode, the contents of the Zoom Window client area are updated when you click button 1 in the client area to pick up a selection box, move the selection box to the area of the display you want to zoom in on, and then click button 1 again.

Off disables the Zoom Window feature. When the Zoom Window feature is off the Zoom Window is not available, its hotkey is inactive, and it cannot be started.

HotKey

The Hotkey group box edit control allows you to assign a hotkey that can be used to switch to or hide the Zoom Window. Pressing the hotkey sequence when the Zoom Window is minimized or hidden will restore the Zoom Window and make it visible. Pressing the hotkey sequence when the Zoom Window is visible will minimize or hide the Zoom Window.

See [Specifying Hotkey Key Sequences](#) for instructions on how to enter hotkey key sequences into the hotkey edit control on this dialog.

Window Options

The selections in the Window Options group box control the appearance and behavior of the Zoom Window.

Always on top controls whether or not the Zoom Window always appears on top of most other windows on your desktop. If this item is selected, the Zoom Window always appears on top of most other windows on your desktop. If this item is not selected, then other windows are allowed to overlay on top of the Zoom Window.

Highlight controls whether or not the pixel at the center of the selected area is highlighted in the Zoom Window client area. If this item is selected, the pixel is highlighted with a box of contrasting color drawn around it. If this item is not selected, the pixel is not highlighted.

Grid controls whether or not a grid is drawn between adjacent pixels in the Zoom Window client area. If this item is selected, grid lines are drawn between adjacent pixels in a contrasting color. If this item is not selected, grid lines are not drawn.

Status controls whether or not a status area is displayed at the bottom of the Zoom Window client area. If this item is selected, a status area showing the position and color of the pixel at the center of the current selected area and the current zoom factor is displayed at the bottom of the Zoom Window client area. If this item is not selected, the status area is not shown.

Position Type

The selections in the Position Type group box control the type of position information that is displayed in

the status area. The status area is enabled or disabled in the Window Options group box.

Absolute position is relative to the upper left corner of the display, which is considered to be at x,y position 0,0.

Relative position is relative to a pixel position you specify. You set the relative position origin (i.e. the 0,0 position) by pressing the Ctrl key with the mouse cursor pointing at the desired pixel position. The Zoom Window must have focus at the time you press the Ctrl key.

Client position is relative to the upper left corner of the client area of the window the mouse cursor is currently over. The upper left corner of the client area is considered to be at x,y position 0,0.

See Also:

[Zoom Window Operation](#)
[Resolving Hotkey Conflicts](#)

Bird's Eye Options

Mode

The Mode group box controls whether the Bird's Eye Window is in popup mode, in persistent mode, or off.

Popup enables the Bird's Eye Window feature in popup mode. When the Bird's Eye Window is in popup mode, the Bird's Eye Window pops up centered on the current cursor location when it is started and it automatically minimizes itself when you click button 1 in it to pan to a new location in the Virtual Desktop.

Persistent enables the Bird's Eye Window feature in persistent mode. When the Bird's Eye Window is in persistent mode, the Bird's Eye Window also pops up centered on the current cursor location, but it does not minimize itself when you click button 1 in it to pan to a new location. Instead, it stays in place, ready for you to click and pan again.

Off disables the Bird's Eye Window feature. When the Bird's Eye Window feature is off the Bird's Eye Window is not available, its hotkey is inactive, and it cannot be started.

HotKey

The Hotkey group box edit control allows you to assign a hotkey that can be used to switch to or hide the Bird's Eye Window. Pressing the hotkey sequence when the Bird's Eye Window is minimized or hidden will restore the Bird's Eye Window and make it visible. Pressing the hotkey sequence when the Bird's Eye Window is visible will minimize or hide the Bird's Eye Window.

See [Specifying Hotkey Key Sequences](#) for instructions on how to enter hotkey key sequences into the hotkey edit control on this dialog.

Window Options

The selections in the Window Options group box control the appearance and behavior of the Bird's Eye Window.

Always on top controls whether or not the Bird's Eye Window always appears on top of most other windows on your desktop. If this item is selected, the Bird's Eye Window always appears on top of most other windows on your desktop. If this item is not selected, then other windows are allowed to overlay on top of the Bird's Eye Window.

Fast draw controls whether or not the drawing of the Bird's Eye Window client area is accelerated by using an approximate representation of the Virtual Desktop. If this item is selected, the drawing of the Bird's Eye Window client area is accelerated by representing windows on the Virtual Desktop using rectangles. If this item is not selected, the drawing of the Bird's Eye Window client area is not accelerated in this manner. Instead, the client area is drawn by shrinking the image of the entire Virtual Desktop into the client area. This is a more accurate representation of your desktop, but it is relatively slow compared to Fast Draw.

See Also:

[Bird's Eye Window Operation](#)
[Resolving Hotkey Conflicts](#)

Monitor Options

The Monitor Options dialog supports refresh rate control, image centering adjustment, and control over how dialogs and message boxes get centered on the virtual desktop.

Monitor Selection

The Monitor Selection text box displays your currently selected monitor. The Windows 95 Display Properties / Settings dialog is where you select a monitor. To select a monitor, select Change Display Type from the Display Properties / Settings dialog, then select Change from the Monitor Type group of the Change Display Type dialog, then select Show all devices or Have Disk from the Select Device dialog, then select your monitor manufacturer and model and select OK. Finally, select Close on the Change Display Type dialog and on the Display Properties / Settings dialog, then select Yes to restart your computer (if you are prompted to do so).

It is important that you select the correct monitor for STB Vision 95 to be able to take full and correct advantage of your STB product. If your exact monitor does not appear in the Windows 95 monitor list, then select a monitor that has the same or similar capabilities to your monitor, or select one of the "(Standard monitor types)". STB Vision 95 uses the capabilities of the selected monitor to allow only values for Desktop Area, Resolution, and Refresh Rate Limit that are supported by that monitor to be selected. For example, if you select a monitor with a maximum resolution of 1024x768, then resolutions higher than that will be disabled on the Control Panel, even if your STB product is capable of supporting them.

DISCLAIMER: The available resolutions and refresh rates are limited by the capabilities of your currently selected monitor. If you select a "more capable" monitor that allows STB Vision 95 to exceed the specifications of the monitor you are actually running on, STB Systems is **not** responsible for any damage that may result to your monitor.

Refresh Rate Control

The Refresh Rate Control group allows you to fine tune the refresh rates for the current resolution, if you choose to do so. You do not have to make any selections in this group if you do not wish to, as reasonable defaults are selected based on your current monitor selection.

STB Vision 95 uses the concept of a *Refresh Rate Limit* to control vertical refresh rates. Each potential Resolution you may run at has an associated Refresh Rate Limit. STB Vision 95 will run your selected display setting at the highest available refresh rate supported by your product for that Color Palette and Resolution that is less than or equal to the specified Refresh Rate Limit.

To select a new Refresh Rate Limit for your current Resolution, click button 1 in the Refresh Rate Limit list box and select the new value, then select OK or Apply to activate it. The new limit will be put into effect and you will be asked to accept or reject it. A mode switch will occur, if necessary, to switch to the highest vertical refresh rate for the current display setting that is less than or equal to the new limit.

The **Current Resolution** text box shows the resolution whose refresh rate limit you may change.

The **Refresh Rate Limit** list box is where you select the new refresh rate limit for the current resolution.

Image Centering

The Image Centering group of buttons allow you to adjust the position of the displayed image on your monitor. Select **Left**, **Right**, **Up**, or **Down** to shift the image in the desired direction. Select **Reset** or

press Esc to return to the original unmodified image position.

The available range that the image can be shifted in each direction is limited by the mode parameters for the current display setting and refresh rate. Some modes have a wider range than others, and some modes may have little or no range in some directions. This is normal behavior and should not be considered a problem.

The image centering adjustments are specific to your currently selected monitor. If you select a new monitor your centering adjustments are erased and you will have to repeat the process.

Dialog Box Centering

The Dialog Box Centering group of radio buttons allow you to control how dialog and message boxes are centered on the virtual desktop.

Windows default causes dialogs and message boxes to be positioned according to the Windows 95 default or application default positioning convention. This means that dialogs and message boxes will often center on the virtual desktop but may occasionally be positioned almost anywhere on the virtual desktop, which can make them difficult to find.

Monitor causes dialog and message boxes to be centered on the portion of the virtual desktop that is currently displayed on your monitor. Most people prefer this choice because it assures that dialogs and message boxes are visible when they first open.

Desktop causes dialog and message boxes to be centered on the virtual desktop, regardless of whether or not they will be visible on the portion of the virtual desktop that is currently displayed on your monitor.

See Also:

[Recovering from an Invalid Windows 95 Display Configuration](#)

Command Line Interface

The STB Vision 95 command line interface is implemented in the STB Vision 95 Control Panel, STBVISN.EXE. The command line interface supports display setting configuration and the control and invocation of the features from Icon Toolbar icons. The command line interface also supports users who wish to create their own custom user interface to STB Vision 95 using whatever facility is available to them, such as the menu, button, and toolbar custom interfaces offered by the various popular shell replacements.

When STBVISN.EXE is invoked with a command line option, it first parses the command line to see if it is valid. If the command line is valid then the requested action is performed and, if necessary, Windows 95 is restarted. If the command line is semantically invalid, then an error box is displayed that indicates specifically what information was incorrect. If the command line is syntactically invalid, then an error box is displayed that displays the valid command line syntax.

For real-world examples of valid command lines you can refer to the command lines associated with the pre-configured Icon Toolbar icons.

See Also:

[Command Line Options](#)

Command Line Options

All command line *options* begin with a dash '-' character and may, optionally, accept a fixed or variable number of additional *arguments*. The arguments may contain embedded spaces or other whitespace if the entire argument is surrounded by double-quote "" characters. Whitespace outside double-quotes is ignored. The entire command line is case-insensitive.

The supported command line options are:

-C Start Control Panel

This option is used to start the Control Panel interface.

Syntax:

```
STBVISN -C
```

-T Start Icon Toolbar

This option is used to start the Icon Toolbar interface.

Syntax:

```
STBVISN -T
```

-S Switch Display Setting

This option is used to switch the current display setting (Color Palette, Desktop Area, Resolution, and Font Size), or to switch to a saved setting. The Windows 95 restart prompt may be suppressed. At least one of the arguments must be present.

Syntax:

```
STBVISN -s [ [ Colors] [DDeskArea] [Resolution] [FontSize] ] | [Setting] ]  
[NoRestartPrompt]
```

where *Colors* is '16', '256', '32K', '64K', or '16.8M'.

where *DeskArea* is '640x480', '800x600', '1024x768', '1152x864', '1280x1024', or '1600x1200'.

where *Resolution* is '640x480', '800x600', '1024x768', '1152x864', '1280x1024', or '1600x1200'.

where *FontSize* is 'Small' (96 DPI) or 'Large' (120 DPI).

Examples:

To switch the entire setting: STBVISN -s D1600x1200 1024x768 256 Small

To switch colors: STBVISN -s 64K

To switch desktop area and resolution: STBVISN -s D1280x1024 1024x768

To turn the virtual desktop off: STBVISN -s D1024x768 1024x768

To switch resolution: STBVISN -s 1280x1024

To switch resolution w/o prompt: STBVISN -s 640x480 NoRestartPrompt

To switch font size: STBVISN -s Large

To switch to a saved setting: STBVISN -s "My Favorite Setting"

-O Start Options Dialog

This option is used to start one of the feature options dialogs. A valid argument must be present.

Syntax:

STBVISN -o *Option*

where *Option* is 'D' for Multiple Desktop, 'Z' for Zoom Window, 'B' for Bird's Eye Window, 'M' for Monitor Options, 'C' for Control Panel, or 'T' for Icon Toolbar.

Examples:

To start the Multiple Desktop options dialog: STBVISN -o d

To start the Zoom options dialog: STBVISN -o z

To start the Bird's Eye options dialog: STBVISN -o b

To start the Control Panel options dialog: STBVISN -o c

-D Multiple Desktop Control

This option is used to turn the Multiple Desktop Manager window on or off, or to switch to a specified desktop. A valid argument must be present.

Syntax:

STBVISN -d [On | Off] | [*Desktop*]

where *Desktop* is the name of a saved desktop.

Examples:

To turn the Multiple Desktop Manager window on: STBVISN -d On

To switch to a specified desktop: STBVISN -d "Main Desktop"

-Z Zoom Window Control

This option is used to turn the Zoom Window on in a specified mode, or to turn it Off. A valid argument must be present.

Syntax:

STBVISN -z [Dynamic | Static | Off]

Examples:

To turn the Zoom Window on in static mode: STBVISN -z Static

To turn the Zoom Window off: STBVISN -z Off

-B Bird's Eye Window Control

This option is used to turn the Bird's Eye Window on in a specified mode, or to turn it off. A valid argument must be present.

Syntax:

STBVISN -b [Popup | Persistent | Off]

Examples:

To turn the Bird's Eye Window on in popup mode: STBVISN -b Popup

To turn the Bird's Eye Window off: STBVISN -b Off

See Also:

[Command Line Interface](#)

Integration with the Display Properties / Settings Dialog

The standard location for controlling your display configuration in Windows 95 is the Display Properties / Settings dialog.

Start the Display Properties / Settings dialog by right clicking anywhere on the Windows 95 desktop, selecting Properties from the popup menu, then selecting the Settings tab. You can also start the Display Properties / Settings dialog by selecting Display on the Windows 95 Control Panel. Start the Windows 95 Control Panel from the My Computer folder on the Windows 95 desktop.

STB Vision 95 is designed to fully cooperate with the Display Properties / Settings dialog. Changes made to the Display Setting with STB Vision 95 are reflected on the Display Properties / Settings dialog. Changes made to the Display Setting with the Display Properties / Settings dialog are reflected in STB Vision 95. Also, STB Vision 95 uses the capabilities of the monitor selected from the Display Properties / Settings dialog to allow only display configurations that are supported by that monitor to be selected.

Virtual Desktop Operation

Overview

The Virtual Desktop allows Windows 95 to run at a higher Resolution than is actually displayed on your monitor. The Virtual Desktop is like having a larger display than you really have, providing you with more "screen real-estate" on which to run your applications.

Configuring a Virtual Desktop Display Setting

You configure a Virtual Desktop display setting using the STB Vision 95 Control Panel by selecting a Desktop Area that is larger than the selected Resolution, then selecting 'OK'. For example, you can select 1024x768 for your Desktop Area and 800x600 for your Resolution.

Panning Around the Virtual Desktop

You pan around the Virtual Desktop by moving the mouse cursor past an edge of the display, or by using the Bird's Eye Window.

Dynamic Desktop Area and Resolution Switching (Zoom In/Out)

You switch desktop area dynamically using the Control Panel by selecting a new Desktop Area that is different from the current Desktop Area, then selecting 'OK'.

You switch resolutions dynamically using the Control Panel by selecting a new Resolution that is different from the current Resolution, then selecting 'OK'.

Window and Dialog Positioning on the Virtual Desktop

STB Vision 95 dialogs and message boxes automatically center on the currently visible portion of your display when you are in a Virtual Desktop setting. Windows, dialogs, and message boxes from other applications and from Windows 95 itself do not automatically center in this manner. When using a Virtual Desktop setting you must be aware of this and pan around the Virtual Desktop accordingly in order to locate windows, dialogs, and message boxes when they do not appear on the currently visible portion of your display. The effect is most noticeable when you are running at a very high Desktop Area (for example 1600x1200) and a very low Resolution (for example 640x480). You can control how dialogs and message boxes from other applications and Windows 95 center on the virtual desktop using the radio buttons in the 'Dialog Centering' group on the 'Monitor Options' dialog.

Turning Off the Virtual Desktop

You turn off a Virtual Desktop display setting using the Control Panel by selecting a Resolution that is equal to the selected Desktop Area, or by selecting a Desktop Area that is equal to the selected Resolution, then selecting 'OK'. For example, selecting 1024x768 for both Desktop Area and Resolution will turn off the virtual desktop.

See Also:

[The Control Panel Interface](#)

[Dynamic Desktop Area and Resolution Switching \(Zoom In/Out\) Operation](#)

[Bird's Eye Window Operation](#)

Dynamic Desktop Area and Resolution Switching (Zoom In/Out) Operation

Overview

Dynamic Desktop Area Switching allows you to change the Desktop Area that Windows 95 is running at without having to restart Windows 95. This allows you to work at the Desktop Area that is most appropriate for the application you are running at the moment.

Dynamic Resolution Switching allows you to change the actual Resolution that is displayed on your monitor without having to restart Windows 95. This allows you to work at the Resolution that is most appropriate for the application you are running at the moment, in effect allowing you to "zoom in" to your document to see more detail, or to "zoom out" to get more of an overview.

For Desktop Area or Resolution changes that force a Color Palette or Font Size change, a Windows 95 restart is required.

Performing a Dynamic Desktop Area Switch

You perform a Dynamic Desktop Area Switch using the STB Vision 95 Control Panel by selecting a new Desktop Area that is different from the current Desktop Area, and then selecting 'OK' or 'Apply'. Upon selecting 'OK' the Control Panel will minimize itself and the Dynamic Desktop Area Switch will occur. If you select 'Apply' the Control Panel will not minimize. If necessary, your position within the Virtual Desktop will be adjusted slightly, depending on the starting and ending desktop areas.

Performing a Dynamic Resolution Switch

You perform a Dynamic Resolution Switch using the STB Vision 95 Control Panel by selecting a new Resolution that is less than or equal to the current Desktop Area, and then selecting 'OK'. Upon selecting 'OK' the Control Panel will minimize itself and the Dynamic Resolution Switch will occur. If you select 'Apply' the Control Panel will not minimize. If necessary, your position within the Virtual Desktop will be adjusted slightly, depending on the starting and ending resolutions.

See Also:

[Control Panel](#)

[Virtual Desktop Operation](#)

Multiple Desktop Operation

Overview

Multiple Desktops are an alternative approach to the Virtual Desktop for providing you with more "screen real-estate" on which to run your applications. Multiple Desktops make it easier for you to organize your work by allowing different groups of applications to run on different desktops, and by making it quick and easy to switch between the different desktops and the applications that reside on them. Multiple Desktops are like having more than one display, only one of which can be seen at a time.

Configuring Your Multiple Desktops

You configure your multiple desktops using the STB Vision 95 'Multiple Desktop Options' dialog. Click button 2 on the 'Multiple Desktop' icon to start the dialog, then use the dialog to specify your configuration and define your desktops. Be sure to save each desktop as you define it by selecting 'Save'.

How to Switch from One Desktop to Another

You can switch between desktops by using hotkeys you assign on the Multiple Desktop Options dialog or by using the Multiple Desktop Manager. You can also use the STBVISN.EXE command line interface to switch desktops.

The Multiple Desktop Manager

The Multiple Desktop Manager window is where you manage your desktops that are currently in use and the windows (i.e. applications) that reside on those desktops. With the Multiple Desktop Manager you can switch desktops, move windows from another desktop onto the current desktop, switch to a specific window on another desktop, and control the 'Stay with me' attribute of individual windows.

You can turn the Multiple Desktop Manager on or off using a hotkey you assign on the Multiple Desktop Options dialog, or directly from the Control Panel's 'Multiple Desktop' icon.

The Multiple Desktop Manager window displays a list of your active desktops and the windows that currently reside on each desktop. The current desktop is indicated by '<Current>' at the end of its name. The windows residing on a desktop are displayed immediately below that desktop in the list. Windows with the 'Stay with me' attribute are indicated by '<S>' displayed to the left of their names. You select a desktop or window to operate on by moving the highlight bar to the desktop or window of your choice. You operate on the selected desktop or window by selecting an appropriate button or double-clicking button 1 on the desktop or window's line in the list. The contents of the list are updated when you switch desktops or when you turn the window on.

Select 'Switch To Desktop' to switch to the highlighted desktop. Select 'Merge Desktop' to move all of the windows from the highlighted desktop to the current desktop. Double-clicking button 1 on a desktop is the same as selecting 'Switch To Desktop'. When a desktop is highlighted, the 'Switch To Desktop' and 'Merge Desktop' buttons are enabled, and the 'Bring Window Here' and 'Toggle Window Stay With Me' buttons are disabled.

Select 'Bring Window Here' to move the highlighted window to the current desktop. Select 'Toggle Window Stay With Me' to toggle the 'Stay with me' attribute for the highlighted window. Double-clicking button 1 on a window is the same as selecting 'Toggle Window Stay With Me'. When a window is highlighted, the 'Bring Window Here' and 'Toggle Window Stay With Me' buttons are enabled, and the 'Switch To Desktop' and 'Merge Desktop' buttons are disabled.

The 'Window Options' on the Multiple Desktop Options dialog control the appearance and behavior of the

Multiple Desktop Manager window.

Integration with the Virtual Desktop and Dynamic Resolution Switching Features

STB Vision 95 Multiple Desktops are fully integrated with the Virtual Desktop and Dynamic Resolution Switching features. Each desktop can be configured to run at a different resolution within the current Virtual Desktop. Switching from one desktop to another switches to the appropriate resolution at the same time the desktop switch occurs. If you select 'Default' Resolution for a desktop then that desktop will always run at the resolution of the active display setting. This feature works in concert with the Virtual Desktop feature. If a Virtual Desktop display setting is not active, or if the selected resolution is not available in the current Virtual Desktop display setting, then the dynamic resolution switch will not occur when you switch to the desktop.

Desktop Backgrounds

You can select a bitmap (BMP) file or pattern to be used as the desktop background. You can select 'Tiled' or 'Centered' to specify if you want your bitmap to be tiled or centered on the desktop. Each of your desktops can be assigned a different background. This is a convenient technique that makes it easy for you to see which desktop you are on.

'Stay with me' Support

Using the Multiple Desktop Manager you can give individual windows the 'Stay with me' attribute. Windows with the 'Stay with me' attribute will follow you from desktop to desktop as you switch between desktops. To give a window the 'Stay with me' attribute, select the window in the Multiple Desktop Manager's window list and select 'Toggle Window Stay with me'. Repeat the operation to turn 'Stay with me' off. You can also toggle a window's 'Stay with me' attribute by double-clicking button 1 on it in the window list. A '<S>' symbol appearing to the left of the selected window's name indicates that the window has the 'Stay with me' attribute.

'Shell stay with me' Support

Special 'Stay with me' support is provided for your Windows 95 shell. The Windows 95 shell is the program you use to launch your applications. The most common shell is Explorer (EXPLORER.EXE). Your Windows 95 shell is automatically given the 'Stay with me' attribute. As a result, you don't have to use the Multiple Desktop Manager to turn on the 'Stay with me' attribute for your shell every time you run Windows 95.

Structuring Your Multiple Desktops

You should give some thought to how you want to structure your desktops to fit into your way of working. There are several different approaches you can use to partition your work onto multiple desktops. You can create different desktops for each of your different projects and then switch between projects by switching desktops. For example, you could have an 'ACME Account' desktop, a 'Smith Account' desktop, a 'Miscellaneous Accounts' desktop, etc. You can create different desktops for each of the functionally different types of work you perform. For example, a 'Budgets' desktop, a 'Presentations' desktop, a 'Forecasts' desktop, etc. You can create different desktops for each of the different applications you run. For example, a 'Microsoft Word' desktop, a 'Lotus 123' desktop, etc. How easy it is for you to use multiple desktops and whether or not you obtain a productivity increase through using them will depend on how thoughtfully you structure your desktops to assist you in performing the different types of work that you switch between on a frequent basis.

Interaction with Other Multiple Desktops

It is possible to run the STB Vision 95 Multiple Desktop at the same time you are running a similar third

party multiple desktop. This results in a two-level hierarchical multiple desktop arrangement that, while interesting, has little real value and can cause confusion that could result in your losing track of where you are located and how to get where you want to go. We recommend that you not run the STB Vision 95 Multiple Desktop in a configuration such as this. If you have a third party multiple desktop you should run either it or the STB Vision 95 Multiple Desktop. You can turn the STB Vision 95 Multiple Desktop off using the Multiple Desktop Options dialog.

See Also:

[Multiple Desktop Options](#)

Zoom Window Operation

Overview

The Zoom Window shows a magnified view of a selected area of the display. This makes it easy for you to see fine details, even individual pixels, of the document or image you are working on. This is particularly useful when performing any type of image editing.

Configuring the Zoom Window

You configure the Zoom Window using the STB Vision 95 Control Panel 'Zoom Options' dialog. Click button 2 on the 'Zoom' icon to start the dialog, then use the dialog to specify your configuration.

Starting the Zoom Window

You can turn the Zoom Window on or off using a hotkey you assign, or directly from the Control Panel. You can also use the STBVISN.EXE command line interface to control the Zoom Window.

Modes of Operation: Dynamic and Static Modes

The Zoom Window supports two modes of operation. In Dynamic Mode, the contents of the Zoom Window track the current mouse cursor position and the window is updated whenever the mouse cursor is moved. In Static Mode, the contents of the Zoom Window are only updated when you drag a selection box out of the window to a selected area of the display you wish to zoom into.

The Status Area

A status area may be displayed at the bottom of the Zoom Window. The status area displays the position and color of the pixel at the center of the current selected area, as well as the current zoom factor.

How to Change the Zoom Factor

The zoom factor can be changed using the Zoom Window vertical scroll bar. The zoom factor can range from 1X to 32X.

See Also:

[Zoom Options](#)

Bird's Eye Window Operation

Overview

The Bird's Eye Window shows a reduced representation of your entire Virtual Desktop. You can click button 1 within the Bird's Eye Window to pan to a selected area of the Virtual Desktop. You can also use the Bird's Eye Window to get a quick overview of where your windows are located on your Virtual Desktop.

Configuring the Bird's Eye Window

You configure the Bird's Eye Window using the STB Vision 95 Control Panel 'Bird's Eye Options' dialog. Click button 2 on the 'Bird's Eye' icon to start the dialog, then use the dialog to specify your configuration.

Starting the Bird's Eye Window

You can turn the Bird's Eye Window on or off using a hotkey you assign, or directly from the Control Panel. You can also use the STBVISN.EXE command line interface to control the Bird's Eye Window. You can refresh the Bird's Eye Window client area by clicking button 2 with the mouse cursor positioned anywhere in the client area. This causes the client area to be redrawn.

Modes of Operation: Popup and Persistent Modes

The Bird's Eye Window supports two modes of operation. In Popup Mode, the Bird's Eye Window pops up centered on the current cursor location when it is started and it automatically minimizes itself when you click button 1 in it to pan to a new location in the Virtual Desktop. In Persistent Mode, the Bird's Eye Window also pops up centered on the current cursor location, but it does not minimize itself when you click in it to pan to a new location. Instead, it stays in place, ready for you to click and pan again.

Fast Draw

Fast draw accelerates the drawing of the Bird's Eye Window client area by using an approximate representation of the Virtual Desktop showing open windows as rectangles. Without Fast Draw the representation of the Virtual Desktop is more accurate, but it takes longer to draw.

See Also:

[Bird's Eye Options](#)

Status Display Operation

The purpose of the Status Display is to assist the STB technical support technician in resolving any problems you may have in using STB Vision 95. The status display is accessed from the system menu of the STB Vision 95 Control Panel. The status display contains four different types of information: STB product information, STB Vision 95 information, VESA BIOS information, and PCI information (for PCI products only). The contents of the status display can be printed on the current default Windows 95 printer or copied to the Windows 95 clipboard using the 'Print' and 'Copy' buttons.

Recovering from an Invalid Windows 95 Display Configuration

When the Windows 95 display configuration is completely invalid, Windows 95 is either unable to run or you cannot see what it is displaying, and therefore you are unable to run the STB Vision 95 Control Panel or the Display Properties / Settings dialog in order to select a new (hopefully valid) display configuration.

When the Windows 95 display configuration is partially invalid, Windows 95 will usually run in its "safe mode", where you are restricted to 640x480 resolution and 16 colors, and you cannot take full advantage of your STB product. In the partially invalid display configuration case, you can at least run the Display Properties / Settings dialog to try to select a valid configuration, or to reinstall STB Vision 95.

There are many things that can cause an invalid display configuration. One of the most common causes is switching to a monitor that does not support the currently configured resolution or vertical refresh rate without first selecting the new monitor from the Display Properties / Settings dialog and using the STB Vision 95 Monitor Options dialog to select a new Refresh Rate Limit.

To recover from a partially invalid display configuration (Windows 95 only runs in "safe mode"), first attempt to select a new display setting from the Display Properties / Settings dialog. For instructions on how to start the Display Properties / Settings dialog, see [Integration With the Display Properties / Settings Dialog](#). If this does not work, then attempt to reinstall STB Vision 95. For instructions on how to install STB Vision 95, see [Installation With the Display Properties / Settings Dialog](#).

To recover from a completely invalid display configuration you must force Windows 95 to run in "safe mode". If your system normally automatically starts Windows 95, you force Windows 95 to run in safe mode by pressing F5 while the "Starting Windows 95" message is visible, or while the "Microsoft Windows 95 Startup Menu" is visible. If you normally start Windows 95 from the command line, you force Windows 95 to run in safe mode by using the "WIN /D:M" command to start Windows 95. Once Windows 95 is running in safe mode, follow the instructions in the above paragraph for recovering from a partially invalid display configuration.

Specifying Hotkey Key Sequences

You specify a hotkey key sequence by placing the selection cursor within a hotkey edit control area and then pressing the desired combination of modifier or prefix keys (Alt, Ctrl, and Shift) followed by the terminating key (A through Z, 0 through 9, and F1 through F12). If you attempt to assign a hotkey that conflicts with another STB Vision 95 hotkey, an error box is displayed when you select 'OK' and you must then assign a non-conflicting hotkey or delete the conflicting hotkey. You delete a hotkey by placing the selection cursor within the hotkey edit control area and then pressing the backspace or delete key.

See Also:

[Resolving Hotkey Conflicts](#)

Resolving Hotkey Conflicts

Due to the manner in which hotkeys are implemented under Windows 95 conflicts with other applications are possible. Hotkey conflicts between applications can prevent you from being able to perform a necessary operation or could cause you to invoke an unexpected operation.

When a conflict with another application occurs the application that was run last will respond to the conflicting hotkey and the application that was run first will not respond to the conflicting hotkey. It is important to give careful consideration to your hotkey assignments and to test them with all of your applications that use hotkeys in order to verify that no conflicts exist. Note: Some applications use the term 'shortcut key' to refer to what STB Vision 95 calls a 'hotkey'.

You can resolve a hotkey conflict between STB Vision 95 and another application by changing either the STB Vision 95 hotkey or the other application's hotkey to a non-conflicting key sequence, or you can delete the hotkey from either STB Vision 95 or the other application.

See Also:

[Specifying a Hotkey Key Sequence](#)

Product Specific Information

A. Supported Display Settings

The display settings supported by this STB Vision 95 release on the supported STB products are marked with an 'X' in the table below.

The column headings for each STB product are:

Product	Heading
STB Horizon	HZN
STB Horizon+	HZP
STB Horizon Video	HZP
STB Nitro 64	N64
STB Horizon 64 VL	N64
STB Horizon 64 PCI	H64
STB PowerGraph Pro	PGP
STB PowerGraph 32	P32
STB PowerGraph 64	P64
STB PowerGraph 64 Video	64V
STB Velocity 64V	V64

Colors	Desktop	Resolution	Fonts	Mem	HZN	HZP	N64	H64	PGP	P32	P64	64V	V64
16	640x480	640x480	Small	1M	X	X	X	X	X	X	X	X	X
16	800x600	800x600	Large	1M	X	X	X	X	X	X	X	X	X
16	800x600	800x600	Small	1M	X	X	X	X	X	X	X	X	X
16	1024x768	640x480	Large	1M						X	X		
16	1024x768	640x480	Small	1M						X	X		
16	1024x768	800x600	Large	1M						X	X		
16	1024x768	800x600	Small	1M						X	X		
16	1024x768	1024x768	Large	1M						X	X		
16	1024x768	1024x768	Small	1M						X	X		
16	1280x1024	800x600	Large	1M						X	X		
16	1280x1024	800x600	Small	1M						X	X		
16	1280x1024	1024x768	Large	1M						X	X		
16	1280x1024	1024x768	Small	1M						X	X		
16	1280x1024	1280x1024	Large	1M						X	X		
16	1280x1024	1280x1024	Small	1M						X	X		
256	640x480	640x480	Small	1M	X	X	X	X	X	X	X	X	X
256	800x600	640x480	Large	1M	X	X	X	X	X	X	X	X	X
256	800x600	640x480	Small	1M	X	X	X	X	X	X	X	X	X
256	800x600	800x600	Large	1M	X	X	X	X	X	X	X	X	X
256	800x600	800x600	Small	1M	X	X	X	X	X	X	X	X	X
256	1024x768	640x480	Large	1M	X	X	X	X	X	X	X	X	X
256	1024x768	640x480	Small	1M	X	X	X	X	X	X	X	X	X
256	1024x768	800x600	Large	1M	X	X	X	X	X	X	X	X	X
256	1024x768	800x600	Small	1M	X	X	X	X	X	X	X	X	X
256	1024x768	1024x768	Large	1M	X	X	X	X	X	X	X	X	X
256	1024x768	1024x768	Small	1M	X	X	X	X	X	X	X	X	X
256	1152x864	640x480	Large	1M					X		X	X	X

75 Hz X X X

Horizon Video:

Rate	640x480	800x600	1024x768	1280x1024
87 Hz i			X	X
56 Hz		X		
60 Hz	X	X	X	
70 Hz			X	
72 Hz	X	X		
75 Hz	X	X	X	

Nitro 64:

Rate	640x480	800x600	1024x768	1280x1024
87 Hz i			X	X
60 Hz	X	X	X	X
70 Hz			X	
72 Hz		X		
75 Hz	X	X	X	

Horizon 64 VL:

Rate	640x480	800x600	1024x768	1280x1024
87 Hz i			X	X
60 Hz	X	X	X	X
70 Hz			X	
72 Hz		X		
75 Hz	X	X	X	

Horizon 64 PCI:

Rate	640x480	800x600	1024x768	1280x1024	1600x1200
88 Hz i			X	X	
96 Hz i					X
56 Hz		X			
60 Hz	X	X	X	X	X
70 Hz	X		X		
72 Hz	X	X			
75 Hz	X	X	X	X	
85 Hz	X	X	X	X	
100 Hz	X	X	X		

PowerGraph Pro:

Rate	640x480	800x600	1024x768	1152x864	1280x1024
88 Hz i			X		X
56 Hz		X			
60 Hz	X	X	X	X	X
70 Hz			X		

72 Hz	X	X			X
75 Hz	X	X	X		X

PowerGraph 32:

Rate	640x480	800x600	1024x768	1280x1024
88 Hz i			X	X
56 Hz		X		
60 Hz	X	X	X	X
70 Hz			X	
72 Hz	X	X		
75 Hz	X	X	X	

PowerGraph 64:

Rate	640x480	800x600	1024x768	1152x864	1280x1024	1600x1200
88 Hz i			X		X	
100 Hz i						X
56 Hz		X				
60 Hz	X	X	X	X	X	
70 Hz			X			
72 Hz	X	X			X	
75 Hz	X	X	X		X	
85 Hz	X	X	X			
100 Hz	X	X	X			

PowerGraph 64 Video:

Rate	640x480	800x600	1024x768	1152x864	1280x1024	1600x1200
88 Hz i			X		X	
100 Hz i						X
60 Hz	X	X	X	X	X	
70 Hz			X	X		
72 Hz	X	X			X	
75 Hz	X	X	X	X	X	
85 Hz	X	X	X			
100 Hz	X	X	X			
120 Hz	X	X	X			
140 Hz	X	X				
160 Hz	X					

Velocity 64V:

Rate	640x480	800x600	1024x768	1152x864	1280x1024	1600x1200
60 Hz	X	X	X	X	X	X
65 Hz						X
70 Hz			X			X
72 Hz	X	X			X	
75 Hz	X	X	X		X	X
80 Hz						X
85 Hz	X	X	X		X	

100 Hz	X	X	X
120 Hz	X	X	X
140 Hz	X	X	
160 Hz	X	X	

C. Miscellaneous Utilities

There are no miscellaneous utilities included with this release.

D. Miscellaneous Issues

Controlling Vertical Refresh Rates Without STB Vision 95:

How you control vertical refresh rates when running without STB Vision 95 varies by product.

For Cirrus-based products (Horizon, Horizon+, Horizon Video, Horizon 64 VL, Nitro 64) and S3-based products (PowerGraph Pro PowerGraph 32, PowerGraph 64, PowerGraph 64 Video, Velocity 64V), run the supplied DOS utility from the DOS command line outside of Windows 95. For Cirrus-based products, the utility is CLMODE.EXE. For S3-based products, the utility is S3REFRSH.EXE. These utilities are included on the Driver / Utility disk for your product.

For Sierra-based products (Horizon 64 PCI), you must manually edit the appropriate values in the Windows 95 registry using REGEDIT.EXE. REGEDIT.EXE is included with Windows 95. Start REGEDIT.EXE using the Windows 95 Start / Run menu command. Open the HKEY_LOCALMACHINE \ System \ CurrentControlSet \ Services \ Class \ Display key. Locate the subkey for your product. Under that subkey, open the MODES subkey. Open the subkey for the resolution you want to set the refresh rate for, for example, 1024x768. Set the 'Refresh' value for this subkey to one of the supported refresh rates, for example, '75Hz'. Be sure to set the value to a string that exactly matches one of the supported refresh rates. Restart Windows 95 to activate the new refresh rate. If your monitor does not sync with the new rate, start Windows 95 in "safe mode" and select a lower refresh rate.

DDC Monitor Support on PowerGraph 64 VL:

By default, DDC monitor support is enabled on the PowerGraph 64 VL under Windows 95. This can cause a problem on some system boards.

Windows 95 calls the DDC BIOS functions to obtain the DDC monitor information. There are several VL system boards on which the DDC BIOS calls can require approximately 2 minutes to complete. During this period when Windows 95 is starting up, your system appears to be hung, but it is not. Eventually the call will complete and Windows 95 will start.

You can correct this problem by manually editing the STBDISP.INF file and reinstalling the PowerGraph 64 drivers, with or without STB Vision 95. Be sure to create a backup copy of the file before editing it, in case the file is corrupted during editing.

Perform the following steps:

1. Edit the STBDISP.INF file with an ASCII text file editor.
2. Search for a line containing 'stbpg64.vxd' (the quotes are NOT part of the text you are searching for).
3. Two lines below the line on which you found 'stbpg64.vxd' the following line should appear:

```
HKR,DEFAULT,DDC,,1
```

Place a ';' (semicolon) at the beginning of this line to comment it out.

4. Repeat steps 2 and 3. There may be more than one occurrence that needs to be changed. Change them all.

5. Save the new STBDISP.INF file.

6. Reinstall the PowerGraph 64 drivers.

E. Packing List of Release Files

Source Name	Dest. Name	Description
STBVISN.DR_	STBVISN.DRV	STB Vision 95 display meta driver
STBVISN.EX_	STBVISN.EXE	STB Vision 95 Control Panel program
STBVISN.HLP	STBVISN.HLP	STB Vision 95 help file
STBDISP.INF	OEM*.INF	STB OEM INF file
README.STB	README.STB	STB Vision 95 readme text file
STBHZ.DR_	STBHZ.DRV	Horizon display driver
STBHZ.IN_	STBHZ.INI	Horizon configuration file
STBHZ.MO_	STBHZ.MOD	Horizon mode file
STBHZ.VX_	STBHZ.VXD	Horizon mini VDD
STBHZP.DR_	STBHZP.DRV	Horizon+ display driver
STBHZP.IN_	STBHZP.INI	Horizon+ configuration file
STBHZP.MO_	STBHZP.MOD	Horizon+ mode file
STBHZP.VX_	STBHZP.VXD	Horizon+ mini VDD
STBHZV.DR_	STBHZV.DRV	Horizon Video display driver
STBHZV.IN_	STBHZV.INI	Horizon Video configuration file
STBHZV.MO_	STBHZV.MOD	Horizon Video mode file
STBHZV.VX_	STBHZV.VXD	Horizon Video mini VDD
STBNT64.DR_	STBNT64.DRV	Nitro 64 / Horizon 64 VL display driver
STBNT64.IN_	STBNT64.INI	Nitro 64 / Horizon 64 VL configuration file
STBNT64.MO_	STBNT64.MOD	Nitro 64 / Horizon 64 VL mode file
STBNT64.VX_	STBNT64.VXD	Nitro 64 / Horizon 64 VL mini VDD
STBHZ64.DR_	STBHZ64.DRV	Horizon 64 PCI display driver
STBHZ64.IN_	STBHZ64.INI	Horizon 64 PCI configuration file
STBHZ64.MO_	STBHZ64.MOD	Horizon 64 PCI mode file
STBHZ64.VX_	STBHZ64.VXD	Horizon 64 PCI mini VDD
STBPGP.DR_	STBPGP.DRV	PowerGraph Pro display driver
STBPGP.IN_	STBPGP.INI	PowerGraph Pro configuration file
STBPGP.MO_	STBPGP.MOD	PowerGraph Pro mode file
STBPGP.VX_	STBPGP.VXD	PowerGraph Pro mini VDD
STBPG32.DR_	STBPG32.DRV	PowerGraph 32 display driver
STBPG32.IN_	STBPG32.INI	PowerGraph 32 configuration file
STBPG32.MO_	STBPG32.MOD	PowerGraph 32 mode file
STBPG32.VX_	STBPG32.VXD	PowerGraph 32 mini VDD

STBPG64.DR_	STBPG64.DRV	PowerGraph	64	display driver
STBPG64.IN_	STBPG64.INI	PowerGraph	64	configuration file
STBPG64.MO_	STBPG64.MOD	PowerGraph	64	mode file
STBPG64.VX_	STBPG64.VXD	PowerGraph	64	mini VDD
STBPG64V.DR_	STBPG64V.DRV	PowerGraph	64	Video display driver
STBPG64V.IN_	STBPG64V.INI	PowerGraph	64	Video configuration file
STBPG64V.MO_	STBPG64V.MOD	PowerGraph	64	Video mode file
STBPG64V.VX_	STBPG64V.VXD	PowerGraph	64	Video mini VDD
STB64V32.DL_	STB64V32.DLL	PowerGraph	64	Video 32-bit DirectDraw display driver
STB64V16.DL_	STB64V16.DLL	PowerGraph	64	Video 16-bit DirectDraw thunk helper
STBV64.DR_	STBV64.DRV	Velocity	64V	display driver
STBV64.IN_	STBV64.INI	Velocity	64V	configuration file
STBV64.MO_	STBV64.MOD	Velocity	64V	mode file
STBV64.VX_	STBV64.VXD	Velocity	64V	mini VDD

NOTE: The OEM*.INF file is installed with * being replaced by a unique number determined by the Windows 95 device installer.

