

## **S3switch2 Utility Help**

**Display Devices:** Show and select the active display devices.

**CRT:** Select to turn on the display on the CRT monitor.

**TV:** Select to turn on the display on the TV.

**Force TV On:** Enables TV as an option even if a television was not automatically detected.

**CRT Bitmap:** Shows CRT status. If no CRT is attached, the CRT bitmap shows a blank screen. If the CRT is attached but not active, the CRT bitmap shows a blank screen. If the CRT is attached and is active, the image shows a representation of the desktop.

**TV Bitmap:** Shows TV status. If no TV is attached, the TV bitmap shows a blank screen. If the TV is attached but not active, the TV bitmap shows a blank screen. If the TV is attached and is active, the image shows a representation of the desktop. If the current resolution does not support TV output, the TV bitmap screen is blank, and the bitmap is drawn with a red circle and slash over it.

**Use CRT DDC Information:** If checked and a DDC CRT is connected, you can set each parameter within the CRT's capability in the Advanced Settings page of the Display Properties.



**Advanced Settings:** Click this to open the Advanced Settings dialog box.

**TV Settings:** Shows the current TV standard and output signal type of the attached TV.

**TV Type:** Shows the current TV type of the attached TV.

**TV Type:** Shows the current TV type of the attached TV. It can be NTSC, PAL or NTSC Japan.

**NTSC:** Selects when an NTSC TV is attached.

**PAL:** Selects when a PAL TV is attached.

**NTSC Japan:** Selects when an NTSC(Japanese standard) TV is attached.

**TV Output Signal:** Shows the current output signal type of the attached TV. It can be Composite Video or S-Video.



**Composite:** Selects to set the TV output signal to Composite video..

**S-Video:** Selects to set the TV output signal to S-Video.

**TV Control:** Allows user to adjust the TV Brightness, Contrast, Color and Tint.

**Brightness Control:** Allows user to use the scroll bar to adjust the TV Brightness from lowest Brightness to highest Brightness.

**Contrast Control:** Allows user to use the scroll bar to adjust the TV Contrast from lowest Contrast to highest Contrast.

**Saturation Control:** Allows user to use the scroll bar to adjust the TV Color from minimum Color to maximum Color.

**Tint Control:** Allows user to use the scroll bar to adjust the TV Tint from Green to Purple.

**Default Button:** Allows user to set the TV Brightness, Contrast, Saturation and Tint to BIOS default value.



**Flicker Filter:** Shows the current TV Flicker Filter state. Flicker Filtering improves the quality of graphics displayed on a TV.

**On:** Selects to turn the TV Flicker Filter on.

**Off:** Selects to turn the TV Flicker Filter off.

**Flicker Filter Slider:** Increases or decreases the amount of Flicker Filter used by the system from minimum Flicker Filter to maximum Flicker Filter.

**Sharpness:** Dynamic control enhancing overall edge contrast relative to flicker filter setting.

**Sharpness Slider:** Increase or decrease the amount of sharpness used by the system from minimum sharpness to maximum sharpness.

**TV Adjustment Bitmap:** Shows how the current TV size and position settings will look on the TV screen.

**Test Pattern:** Click this to cycle through test patterns to adjust TV out settings.



**Horizontal/Vertical Size:** Adjusts the width and height of images displayed on the TV screen.

**Horizontal/Vertical Size Buttons:** The left and right arrows increase or decrease the horizontal size to make the TV image narrower or wider. The up and down arrows increase or decrease the vertical size to make the TV image shorter or taller. Click the center button to set horizontal and vertical size to BIOS default value.

**TV Position:** Adjusts the position of images displayed on the TV screen.

**TV Position Buttons:** Click the arrows to shift the position of images displayed on the TV screen in the direction of the button. Click the center button to set the position to default setting.

**Aspect Ratio Lock:** Lock the TV display area to a 4:3 aspect ratio. Only the Vertical Size is adjustable in this case.

**Aperture Correction Settings Button:** Allows user to invoke a dialog box to set the TV Aperture Correction Controls.

**Default Button:** Allows user to set the TV Flicker Filter, Interpolative Threshold, Horizontal Size, Vertical Size and Aspect Ratio Lock to BIOS default value.

**Inverse Aperture Correction:** When unchecked, Aperture Correction is set to improve general Windows graphics and text; when checked, Inverse Aperture Correction is set to improve Flicker Filtered graphics and DOS text modes.



**Aperture Correction:** Aperture Correction enhances picture detail when Flicker Filter is active.

**Aperture Correction Slider:** Increases or decreases the amount of Aperture Correction used by the system from more enhancement to picture detail to less enhancement to picture detail.

**Aperture Correction Low Threshold:** The amount of Aperture Correction will be subtracted from luminance values if it is below this Low Threshold. Sign of Aperture Correction is reversed for Inverse Aperture Correction.

**Aperture Correction Low Threshold Slider:** Increases or decreases the amount of Aperture Correction Low Threshold.

**Aperture Correction Middle Threshold:** The amount of Aperture Correction will be added to luminance values if it is between Low Threshold and Middle Threshold, or subtracted from luminance values if it is between Middle Threshold and High Threshold. Sign of Aperture Correction is reversed for Inverse Aperture Correction.

**Aperture Correction Middle Threshold Slider:** Increases or decreases the amount of Aperture Correction Middle Threshold.

**Aperture Correction High Threshold:** The amount of Aperture Correction will be added to luminance values if it is above High Threshold. Sign of Aperture Correction is reversed for Inverse Aperture Correction.

**Aperture Correction High Threshold Slider:** Increases or decreases the amount of Aperture Correction High Threshold.



**Default Button:** Allows user to set the Aperture Correction, Aperture Correction Low Threshold, Aperture Correction Middle Threshold and Aperture Correction High Threshold to BIOS default value.

**Graphics Adapter Information:** Shows the chip type, video memory size (MB), and BIOS version.

**Driver Information:** Shows driver version numbers and release dates.

**Display Driver Information:** Shows display driver version number and release date.

**VPM Driver Information:** Shows VPM driver version number and release date.

**Utility Information:** Shows version number of this utility.

**Panel:** Select to turn on the display on the flat panel.

**Panel Bitmap:** Shows flat panel status. If no flat panel is attached, the flat panel bitmap shows a blank screen. If the flat panel is attached but not active, the flat panel bitmap shows a blank screen. If the flat panel is attached and is active, the image shows a representation of the desktop. If the current resolution does not support flat panel output, the flat panel bitmap screen is blank, and the bitmap is drawn with a red circle and slash over it.



**Panel Settings:** Shows the current expansion setting, type and physical screen size information of the attached panel.

**Expansion:** The source image can be centered or expanded when the desktop resolution is smaller than the panel resolution.

**Expand:** Select this to expand the desktop source image on the panel.

**Panel Type:** Shows the type and physical screen size of the panel.

**Horizontal/Vertical Size Slider:** Increases or decreases the horizontal and vertical size to make the TV image smaller or larger.

**Information:** Click this to show the information about the S3 chip, the BIOS, the display driver and the S3Switch2 utility installed on your system.

**S3 Application Versions:** Click this to show the S3 applications and version numbers installed on your system.





