Display Tune ® Product Overview

Display Tune Features:

· OSD replacement for DDC/CI-enabled displays

· New features can be added via Display Tune plug-ins

· Wizard mode, step-by-step tuning process

· Random access OSD mode for quick adjustment

· All-In-One touch-friendly UI

· Desktop Partition Plug-In to easily organize and manage windows and applications

· Power Monitor Plug-In for accurate power consumption of the display

· Compatible with the vast majority of today's Windows graphic controllers

· C^2L communication with the targeted display is accomplished through the standard video cable — no additional USB cable or display pinouts are needed

· Supports analog and digital display interfaces

· Supports multiple displays

· Supports multiple displays (up to four)

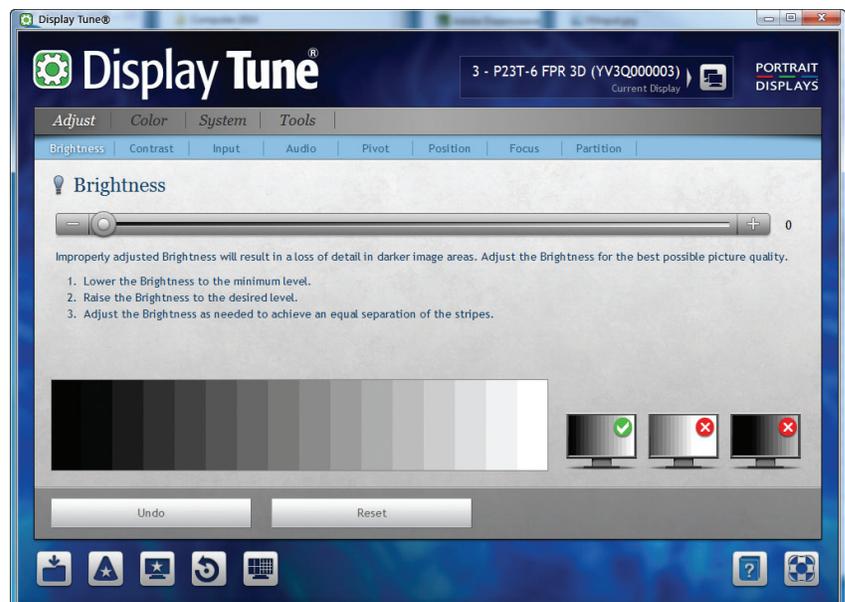· Supports Windows® Vista, Windows 7, Windows 8.1.

Tuning Displays To Picture Perfection

Today's computer displays are very diverse. They vary by configuration, price, quality, size, and underlying display technology. But one thing remains common to all displays — optimum performance can only be achieved through proper setup and adjustment. The most relevant tuning is accomplished by the actual user of the display rather than by factory default settings. Only the user can account for personal environmental effects such as room lighting, display placement, and their own vision. Unfortunately, users often find the manual controls available to modify the behavior of a display to be intimidating, difficult to understand, or nearly impossible to navigate.

Display Tune® is the perfect utility to initially set up and adjust the display or All In One solution to achieve its optimum performance. Display Tune assures maximum customer satisfaction right "out of the box". Subsequently, Display Tune can be used daily to quickly apply individual saved adjustments or automatically load a predefined setting to maintain the display's optimum performance.

Desktop Partition Plug In is a simple utility that organizes the display in predefined regions. Dragging the window to any region automatically aligns the window for better organization and less desktop clutter. Windows can be sent to any region across multiple displays with a simple mouse click.

Power Monitor Plug In provides a way to read and monitor power consumption in real time. Power Monitor reads all power draw from the display, not just the backlight. USB peripherals, speakers, or other devices that draw power directly from the display are also calculated in the total power consumption.
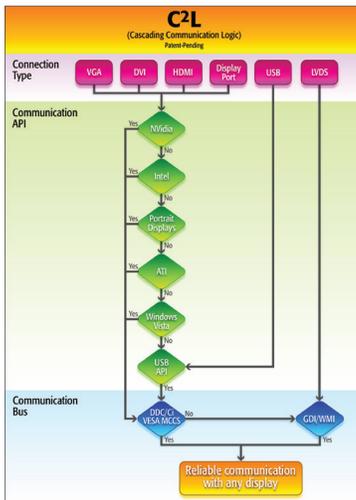

Display Tune's user interface.

What are Display Tune Plug-ins?

Plug-ins are modules that can be installed on a Display Tune compatible system. The plug-in will provide additional functionality beyond the standard OSD replacement functions associated with Display Tune. Currently available plug-ins include:

· Power Monitor
· Desktop Partition
· Application Tuning
· Asset Management
· Auto Pivot
· Color Calibration
· Color Calibration Pro
· Firmware Flasher
· Picture-In-Picture (PIP)
· Power Savings
· Theft Deterrence
· Zoning

C^2L's roll-down logic determines the best communication method. (Visit http://www.portrait.com/ enu/dt/cascadelogic.html)

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PORTRAIT DISPLAYS
SOFTWARE FOR DISPLAYS

What is Display Tune®?

Display Tune is a utility that provides the user with a guided process of tuning their display or All In One computer to achieve optimal viewing results. The user interface can easily accommodate touch friendly environments for All In Ones and Touch enabled displays. The display's on-screen display (OSD) is not required during the initial tuning process.

Who needs Display Tune?

Anyone wishing to achieve the highest level of visual performance from their display* can benefit from Display Tune. Display Tune features a simple process to achieve optimal results. With Display Tune the user attains a high degree of confidence that the display is properly adjusted and color-calibrated.

How does Display Tune replace the display's OSD?

Display Tune provides the user with a simple user interface allowing adjustment of the functions normally associated with the display's OSD. Changes to Brightness, Contrast, Position, and other standard monitor characteristics are made easily and intuitively.

What are Display Tune Plug-Ins?

Display Tune plug-ins provide a simple way to add display management features beyond the standard OSD functions. Vendors can choose from a wide list of Display Tune plug-ins to enhance the user's display and desktop experience. From power management to security, from auto pivoting to desktop windows management, Display Tune continues to offer the broadest list of display solutions under one application.

What is C^2L technology?

Portrait Displays' proprietary C^2L, or Cascading Communication Logic, takes advantage of many different methods of DDC/CI communication. C^2L enables I^2C communication by going directly to the graphics processing unit's (GPU's) registers. This technique has proven to be reliable but needs to be updated to support new GPUs as they are released in the market. In some cases, access to the GPU registers is hidden or not available. In this case, C^2L relies on the graphic driver's API to establish communication. In addition, Vista has its own documented API that software can access. C^2L also supports USB on select displays. The advantage of using the APIs or USB is that the communication is based on standard drivers. When new cards/GPUs are introduced, the user simply updates the graphic driver for DDC/CI support.

With all these methods, C^2L has a sophisticated method of querying the OS and the display to identify the best method of communication. C^2L polls the display and selects the best driver based on the computer configuration. Changes to the graphic driver, graphic subsystem, OS, or failure to communicate after a successful selection trigger C^2L's method to verify the best method of communication. With C^2L, Display Tune has the industry's most reliable DDC/CI communication for any computer display.

*Display Tune requires that the controlled display be DDC/CI compliant.