



ScreenAlign[®] v2

Monitor and projector
Color Control

User Guide

This user guide is designed to help users fully understand the features and benefits of ScreenAlign and the ChromaMatch[®] family of products.

ScreenAlign User Guide



ScreenAlign is designed to provide precision color alignment in every type of display from midsize laptops to monitors, including front projection to 30m (100ft) or more.

Other members of the ChromaMatch® family include ChromaMatch test charts, ChromaSelfies® and Print-A-Match® for printers.



Welcome, and thank you for purchasing this DSC Labs ScreenAlign product.

While ScreenAlign and other products in the ChromaMatch Color Control System are designed to be intuitive to use, we trust you will find the information in this guide helpful.

The most successful DSC products are the result of practical suggestions from users in the field and we welcome your comments, along with any ideas you may have for further improvement of ScreenAlign or other DSC products.

Please contact us with any questions that come to mind—phone (905) 673-3211 or by e-mail at dsc@dsclabs.com. There is additional information at <http://www.dsclabs.com>.

Yours sincerely

DSC Laboratories

A handwritten signature in blue ink, appearing to read 'D. Corley'.

*David F E Corley
President*

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Your ScreenAlign has three components

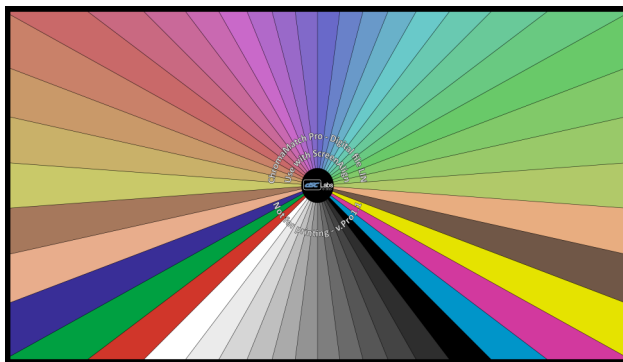


Self illuminated ScreenAlign unit with adjustable stand, rotatable test pattern, cable and connector that plugs into . . .

. . . this Hand Controller which features
a) an on/off switch, next to the ScreenAlign connector

b) a rotary switch, providing three color temperature settings, D50, D65 and D63 at two brightness levels, 100 and 250 nits at the white chip. Power is provided by

c) a precision DC regulated power supply, and



. . . a digital file of the ChromaMatch Pro pattern, on a flash drive, or the image may be downloaded from the DSC Labs web site.

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How ScreenAlign Works

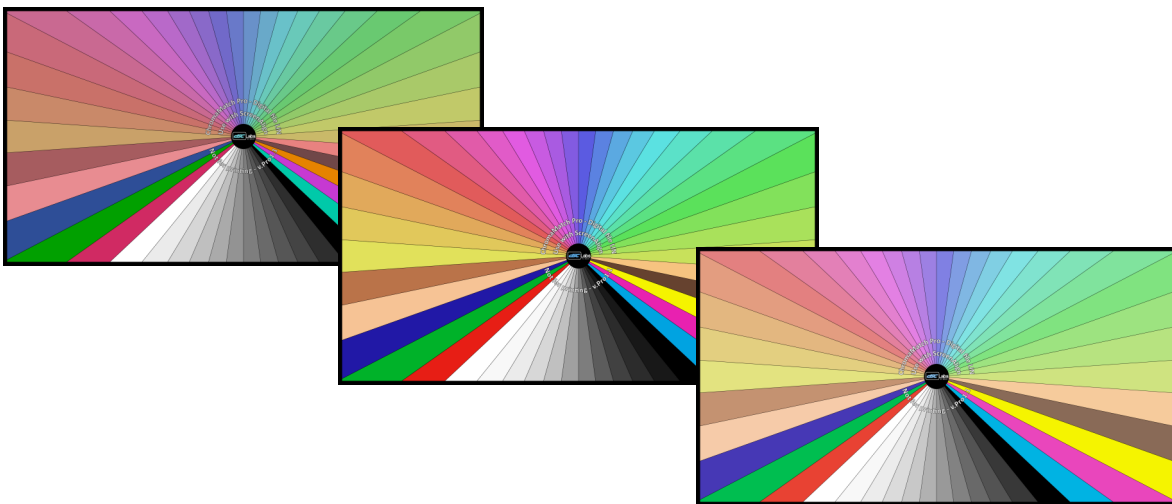
The human eye is recognized by color scientists for its ability to discern minute differences between adjacent colors and tones. ScreenAlign and ChromaMatch use this capability to produce what has been called “The Ultimate Color Control System” - WYSIWYG at its finest.

Intended Usage of ScreenAlign:

- to help users adjust and optimize the reproduction accuracy of monitors and front or rear lit displays, from a screen height of 7” to theatre screens.
- to check grayscale neutrality, brightness, contrast, gamma, color accuracy, hue and saturation.
- to match multiple monitors.

Display Alignment – varies between make and model; we recommend that you follow the manufacturers instructions. Most users suggest aligning grayscale neutrality, brightness and gamma, before fine final color matching.

Here are three monitors. Which, if any, is reproducing color accurately?



With ScreenAlign, you will know, and it's as easy as 1, 2, 3 . . .

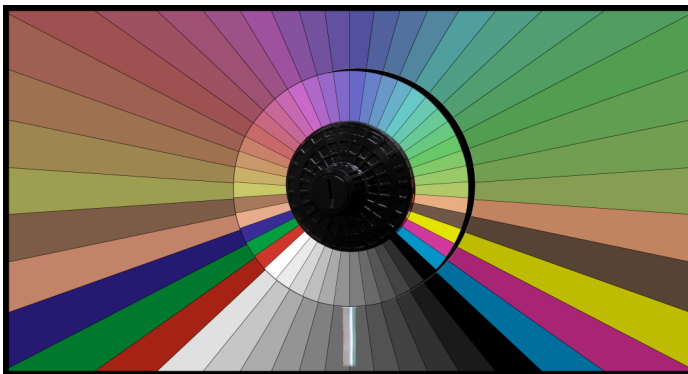
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1) - Run the Reference Digital Image on your monitor, or other display . . .



2) - Stand or hang your ScreenAlign in front of display—connect controller to power supply and turn on unit.

3) - Select ScreenAlign appropriate color temperature and brightness from the table on the controller and center SA to the digital file. This monitor below is obviously too dark and needs lightening. It really is that easy!



Standard broadcasting and computer monitor color temperature is 6500K or 5000K at 100 cd/m².
Motion picture and digital projectors are typically 6300K.

For optimum accuracy and consistency, please allow 10 minutes warm-up time for display and ScreenAlign

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DSC Liability

DSC Products and Services -

Please note that most imaging test products, including media, color, dimensions, dyes and pigments, can change with time and unfavourable environmental conditions. DSC cannot be held liable for any such changes and recommends that users of DSC test products/charts/cards etc. monitor and replace such products at regular intervals.

In no event shall DSC be liable for any direct, indirect, incidental, exemplary, punitive, consequential or third party damages (including, without limitation, for loss of use, lost revenues, lost profits, loss of expected savings or any kind of loss of business goodwill or opportunity) whether or not DSC has been advised of the possibility of such loss or damages, and in no event shall DSC's liability exceed the sum paid to DSC for said DSC products or services.

While DSC makes every reasonable effort to provide products and services in a timely manner, specific delivery times cannot be guaranteed and prices are subject to change without notice.

DSC warrants products against defects in materials and workmanship for a period of one year from date of purchase. Customer's sole remedy in the event of any defects arising during the warranty period is, at DSC's option, the replacement of the defective product or the refund of a pro-rated portion of the original purchase price.

To maintain the accuracy of the light source and color pattern, we advise returning the ScreenAlign unit to DSC annually for re calibration.

For additional information on ScreenAlign, ChromaMatch and other DSC Products, please contact:
DSC Laboratories - 3565 Nashua Drive, Mississauga, Ontario, Canada L4V 1R1 -Tel: (905) 673-3211

DSC test materials are covered by one or more patents, others pending

Liability of DSC Laboratories is limited to replacement of test materials

Companion ScreenAlign Products can be found at: <http://dsclabs.com/>