Compatibility

10-bit Display Method with Adobe Photoshop CS5 and Graphics Board Compatibility


This document explains the method for displaying 10-bit color on Windows 7 / Vista / XP using Photoshop CS5 and AMD (ATI) graphics boards that support 10-bit display (FirePro / FireGL), as well as compatibility information.

1. 10-bit display method on Photoshop CS5
1.1 Setting up graphics driver
(1) Install a driver that supports 10-bit display (Ver.8.743.3 or later).
(Driver download site: http://support.amd.com/us/Pages/AMDSupportHub.aspx)
(2) Right-click on the desktop and choose [Catalyst Control Center].

* AMD (ATI) Radeon graphics boards do not support 10-bit display because there is no [Workstation] settings.
1.2 Configuring Photoshop CS5


* 512 MB graphics memory is necessary to change OpenGL modes on Windows XP.
1.3 Configuring Windows

It is necessary to turn off Windows Aero function to display 10-bit color on Windows 7 or Vista.

(1) Right-click on the desktop and choose [Personalize].

(2) Choose a theme other than an Aero theme.
   *For example, Windows 7 Basic.
Compatibility information

We have confirmed that 10-bit display is available with the following combinations of the monitors and graphics boards.

**<Monitors>**
CG303W (SingleLink/10bit)
CG301W (SingleLink/10bit)
CG275W (DisplayPort/10bit, SingleLink/10bit)
CG245W (DisplayPort/10bit)
CG243W (DisplayPort/10bit)
CG223W (DisplayPort/10bit)
SX2762W (DisplayPort/10bit, SingleLink/10bit)
SX2462W (DisplayPort/10bit)
SX2262W (DisplayPort/10bit)

**<Graphics boards>**
FirePro V8800, V8750, V8700, V7800, V5800, V4800, V3800, V3750
FireGL V5600, V3600
* As of January 2011, NVIDIA’s graphics board are not compatible.

Adobe Photoshop CS5 – 10-bit Display Compatibility List

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<tr>
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<th>Connection</th>
<th>FirePro</th>
<th>FireGL</th>
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<td>CG301W (SingleLink/10bit)</td>
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¹ Connection via DisplayPort-DVI conversion adopter is not supported.
² Windows XP is not supported.