

Matrox® **Display Driver Release Notes**

For display driver version 2.12.00 (XDDM)

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1 Overview

This document describes the current release of the Matrox display driver (v. 2.12.00) for Microsoft® Windows® operating systems. Matrox provides these notes to describe bug fixes and improvements to PowerDesk software and to the display driver.

What's new in this release

This section describes the latest features added to this version of the display driver.

PowerDesk

- New monitor connection management options in the **Help and Troubleshooting** section of PowerDesk.



- New multi-display output settings reported, including the monitor model, signal type, and recommended resolution.

2 Driver Changes in Version 2.12.00

Fixed issues

- Fixed OpenGL-related corruption issue that occurred after a window was resized. [27367]
- Fixed OpenGL-related issue with large display lists. [27369]

Notes and limitations

- Corruption occurs when running Google Earth 6.22. For a possible workaround, contact Matrox Technical Support.
- When using stereo glasses in a multi-display or multi-card setup, stereo is supported only on the first display, using either stretched or clone mode.
- Full-screen programs designed for versions of DirectX *earlier* than 8.0 may not support horizontal display resolutions higher than 2048. While using multiple displays in *stretched* mode, the horizontal resolution of each display is combined (for example, a combined triple monitor resolution could be as high as 3840 × 1024). As a result, the stretched mode resolutions you can use with such programs may be limited to resolutions lower than what your graphics hardware and display driver can support. Selecting an unsupported resolution within a program may cause the program to quit unexpectedly.
- While using OpenGL hardware acceleration, we recommend you close your OpenGL software before changing your display setup (for example, refresh rate, display resolution, or color depth). You may experience problems if OpenGL software is running while your display setup is changed.
- Under Windows XP/Vista, certain Direct3D programs may not properly support some multi-card configurations.
- While using eight displays in independent mode with at least one display rotated, or while your graphics cards are using joined mode, you may experience problems when starting a Microsoft PowerPoint presentation. To avoid this, we recommend disabling the **Reduce Tearing** feature. From the main interface of PowerDesk, click **Help and Troubleshooting** → **Troubleshoot**. Next to **Reduce tearing**, select **None**.

3 Display Driver Information

Display driver package

This driver release is a unified package. This package contains drivers for the following products.

Supported hardware	Display drivers included	Supported operating systems	
		2.12.00.147 (WHQL)	2.12.00.147 (Non-WHQL)
M-Series™	2.12.00.147		
Extio™ Series (F2208, F2408, and F2408 Expander only)	2.12.00.147		
P-Series™	2.07.01.006 (For P650 and P750, display driver version 2.06.03.001 is installed instead.)		
Parhelia™ Series (Excluding Parhelia Precision SDT, Parhelia Precision SGT, and Parhelia HR256)	2.06.03.001		Windows® 7† (32-bit, 64-bit)
Extio™ Series (F1220, F1240, F1400, and F1420 only)	2.07.01.006	Windows® Server® 2008 R1* (32-bit, 64-bit)	Windows® Vista® (32-bit, 64-bit)
QID™ Series	2.07.01.006 (For QID and QID Pro, display driver version 2.06.03.001 is installed instead.)	Windows® Server® 2008 R2†‡	Windows® Server® 2008 R1* (32-bit, 64-bit)
Epica™ Series (Excluding Epica TC20+ and Epica TC48)	2.06.03.001	Windows® Server® 2003 (32-bit, 64-bit)	Windows® Server® 2008 R2†‡
MMS™ Series (G200 or later)	6.00.006	Windows® XP (32-bit, 64-bit)	Windows® Server® 2003 (32-bit, 64-bit)
G-Series™ (G200 or later)	6.00.006 (For G550 PCIe, display driver version 6.10.002 is installed instead.)		Windows® XP (32-bit, 64-bit)
GXM™	2.12.00.147		

* XDDM mode. Requires Service Pack 2.

† Requires the Microsoft® KB980731 hot fix or Service Pack 1. For more information, [see page 8](#).

‡ Supported only on certain hardware.

Minimum system requirements

Depending on the number of monitors you're using and the display driver you're installing, we recommend the following minimum system requirements.

	XDDM Mode	WDDM Mode
Up to 8 monitors	Windows® XP (x32 Edition), Service Pack 3, 2 GB RAM	Windows® Vista® (x32 Edition), Service Pack 2, 2 GB RAM
More than 8 monitors	Windows® XP (x32 Edition), Service Pack 3, 3 GB RAM	Windows® 7 (x64 Edition), 8 GB RAM

Note: If you're using a 64-bit operating system, we recommend a minimum of 4 GB of memory for display resolutions above 1920 × 1200.

Supported languages

This driver package supports the following languages:

- English, French, German, Italian, Spanish

4 Display Driver Installation

Minimum hard disk space required

We recommend you have 55 MB of free space available on your hard disk.

Before you begin



If a Matrox display driver is already installed, we recommend you uninstall your current Matrox software before updating your driver version. This will avoid any possible problems while installing your Matrox display driver.

To uninstall Matrox software:

Windows 7/Vista –

- 1 Click **Start** → **Settings*** → **Control Panel** → **Programs*** → **Programs and Features** → **Matrox PowerDesk-SE** → **Uninstall** → **Yes**.

(* Depending on your version and configuration of Windows, this part of the step may not be necessary.)

- 2 Click **Matrox Driver** (or **Matrox M-Series Driver**) → **Uninstall/Change** → **Yes**.

Windows XP –

- 1 Click **Start** → **Settings*** → **Control Panel** → **Add/Remove Programs** (double-click*) → **Matrox PowerDesk-SE** → **Change/Remove** → **Yes**.

(* Depending on your version and configuration of Windows, this part of the step may not be necessary.)

- 2 Click **Matrox Driver** → **Change/Remove** → **Yes**.

Downloading the display driver

Matrox makes the latest display drivers available on the Matrox Web site (www.matrox.com/graphics/support/drivers).

Installing the display driver



Note: Windows Server 2008 R1 requires Service Pack 2. For improved stability under Windows 7 (supported only on non-WHQL driver) and Windows Server 2008 R2 (XDDM mode), you must install the Microsoft KB980731 hot fix or Service Pack 1. *For more information and to download the hot fix*, visit <http://support.microsoft.com/kb/980731/en> and <http://support.microsoft.com/hotfix/KBHotfix.aspx?kbnun=980731&kbln=en-us>.

If a CD was provided with your Matrox product, insert the Matrox installation CD-ROM in your CD-ROM drive, and follow the on-screen instructions.

If a CD wasn't provided with your Matrox product, download the latest display driver from the Matrox Web site, and follow the on-screen instructions to install your display driver.

5 Contact Us

The Matrox Web site has product literature, press releases, technical material, a sales office list, trade show information, and other relevant material. Visit us at www.matrox.com/graphics.

If you have any questions or comments about our products or solutions, contact us at www.matrox.com/graphics/contact.

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