

# Matrox® **Display Driver Release Notes**

For Matrox® Mura™ MPX Series driver version 2.04.01

20154-401-0107  
2014.03.12

[www.matrox.com/graphics](http://www.matrox.com/graphics)

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# Overview

This document describes the current release of the Matrox Mura MPX Series driver (v. 2.04.01) for Microsoft® Windows® operating systems. Matrox provides these notes to describe bug fixes and improvements to the software, API, and driver.

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# Driver changes in version 2.04.01

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## Fixed issues

- The *Status* Network API command now returns the Mura controller's system time.
- Transitions with a duration time of 0 frames will now be rejected by the *SetTransition* Network API command.
- Fixed an issue related to board ordering on Matrox Mura MPX-SDI cards. [29256]
- Fixed a bug with the *GetSourceTypes* Network API command return value. [29240]
- Fixed a bug with the *Transition* Network API command return value. When the command is used to retrieve the transition names, the names are now returned within quotes. [29241]
- Fixed a crash that could occur when using *SetTransition* Network API command with empty quotation marks as the transition name on the command line. [29242]
- Fixed errors in the Network API documentation. [29243, 29357]
- Fixed a bug with the *SetTransition* Network API command when specifying an offset and a transition name provided within quotation marks. The command would return *Invalid parameters*. [29244]
- Increased the number of images that can be used on a Mura controller. [29326]

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## Notes and limitations

- To avoid possible problems with a new installation, you must first uninstall all Matrox software, including **Matrox PowerDesk**, **Matrox Driver**, **Matrox DisplayWall.msi**, and **Matrox Network API**.
- **Matrox SMD-2** – Matrox SMD-2 is an EOL product and is no longer manufactured or sold by Matrox. The latest driver version to support Matrox SMD-2 products is version 2.03.00.
- Depending on where the stream windows are located on the desktop, full frame rates may not be supported for certain stream windows.
- Applying a Geometric Rotation angle to a streaming window may affect rendering performance.
- With the Advanced Windows API, using streaming windows that contain too many layers may affect rendering performance.

- The render rate may be affected if the outputs don't all use the same refresh rate.
- Running two display wall applications simultaneously isn't supported.
- When starting PowerDesk immediately after a system restart, PowerDesk may not start. We recommend waiting a while, and then starting PowerDesk again.
- The horizontal resolution of your stretched mode layout can't be higher than 32768 pixels.

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## HDCP support<sup>1</sup>

- Enabling HDCP capture may affect rendering performance.
- HDCP is supported on a maximum of 10 cards.
- All monitors used in the current output desktop configuration must be HDCP compliant, turned on, and connected using an HDCP compliant cable. If HDCP capture isn't properly enabled, you may experience problems such as corruption on your outputs, monitors blinking periodically, streaming windows turning blue, and systems freezing.
- Using HDCP repeaters on the Mura output connectors isn't supported.
- The *Preview surface* functionality of the Display Wall Library isn't supported on HDCP encrypted streams.
- Each HDCP encrypted stream can only be shown on a maximum of 11 downstream devices. Some source devices support less downstream devices.
- Moving a streaming window from one monitor to another while an HDCP encrypted stream is displayed will cause a monitor revalidation process (required for HDCP) and cause temporary image defects on the stream.
- When an HDCP input streaming window is rotated, the number of HDCP downstream devices required to be authenticated may increase due to the position of the underlying bounding rectangular window. [29070]
- HDCP sources won't stream protected content on a monitor currently on a revocation list.

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<sup>1</sup> Certain limitations may apply. Matrox strongly recommends that you review the HDCP website ([www.digital-cp.com](http://www.digital-cp.com)) and make sure you understand your legal obligations and responsibility.

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# Driver installation

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## Before you begin

- Windows 7 Professional Edition 64-bit or Windows Server 2008 R2 64-bit must be installed in your system.
- Remove any existing non-Matrox graphics hardware installed in your system. If graphics hardware is built into the motherboard of your computer, make sure it's disabled.
- Make sure all the latest hot fixes for Windows 7 are installed on your system. For improved stability under Windows 7 and Windows Server 2008 R2 (XDDM mode), you must install the Microsoft KB980731 hot fix. For Windows 7, this hot fix is part of SP1.
- Make sure you have administrator rights on your system. You need administrator rights to install certain software and change certain settings.

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## Setting up your Mura system

- 1 Install and connect your Mura card or cards.
- 2 Install the Matrox drivers provided. This may take several minutes. Don't shut down or turn off your system until the installation is complete.
- 3 Run PowerDesk to configure your desktop layout (multi-display setup).

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## 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](http://www.matrox.com/graphics).

If you have any questions or comments about our products or solutions, contact us at [www.matrox.com/graphics/contact](http://www.matrox.com/graphics/contact).

You can get technical assistance by contacting Matrox technical support at [dwcsupport@matrox.com](mailto:dwcsupport@matrox.com).

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