

Matrox™ Release Notes

Matrox™ MuraControl™ for Windows®

Software version 7.00.00

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Overview

This document describes the current release of Matrox MuraControl for Windows (v. 7.00.00) for Microsoft® Windows® operating systems. Matrox provides these notes to describe bug fixes and improvements to MuraControl software.

This software allows you to connect to the following display wall configurations:

- Up to 2 x Matrox C680/C900 in a system on Windows and Linux.
- Up to 2 x Matrox C680/C900 plus multiple Matrox Mura IPX Series 4K capture cards in a system on Windows and Linux.
- Matrox Mura IPX 4K IP Decode and Display card (also known as the “Matrox Mura IPX Multiviewer”).
- Up to 14 x Mura MPX Series cards in a system on Windows.
- Up to 14 x Mura MPX Series cards plus multiple Matrox Mura IPX Series 4K capture cards in a system on Windows.
- 4 NVIDIA® M4000 and NVIDIA sync card plus multiple Mura IPX Series 4K capture cards in a system on Windows.
- NVIDIA® M6000 plus multiple Mura IPX Series 4K capture cards in a system on Windows.
- Intel® HD Graphics 530 graphics hardware plus multiple Mura IPX Series 4K capture cards in a system on Windows.
- Intel® HD Graphics 630 graphics hardware plus multiple Mura IPX Series 4K capture cards in a system on Windows.

What’s new in this release

This release of Matrox MuraControl corrects customer reported issues and contains bug fixes. It also adds the following features and options:

- Supports Extio 3 4:4:4 streams as a source.
- Availability of Low-Latency option tabs for IP sources.
- Support for Mura IPX DisplayPort 4K Capture and IP Encode/Decode cards (requires driver version 3.01.01).
- Ability to use SDP (Source Description Protocol) for IP sources.
- Ability to play audio on a single captured stream on controllers using Matrox IPX 4K IP Decode and Display cards or C-series cards.

- Ability to enable or disable auto start options on Mura IPX 4K IP Decode and Display cards.
- Ability to view IP auto recovery default settings.
- General bug fixes.

Notes and limitations

- MuraControl for Windows must run on a Windows operating system. However, it can connect to all display wall configurations listed in the Overview section.
- When using a third party application as a source, the position of the window may not respect the settings specified in MuraControl for Windows.
- Network auto discovery works only if the Mura controller and the system running MuraControl for Windows are on the same network.
- MuraControl for Windows requires port 23 to be open for communication with the video wall controller and port 46272 for HTTPS and for the Preview Surface feature. If the Mura controller and system running MuraControl for Windows are on different subnets, contact your network administrator for information on configuring your network.
- Marquee transparency is unsupported when connected to a Matrox C-Series based controller.
- Destination color key is unsupported when connected to a Matrox C-Series based controller.
- Power management needs to be disabled on the system running MuraControl for Windows.
- Encoding frame rate can't exceed that of the source or desktop.

Installing MuraControl software

Before you begin

To be able to install and run MuraControl, the following must be installed:

On a controller using Mura MPX Series products	<ul style="list-style-type: none">▪ Microsoft Windows 7 (64-bit) SP1, Windows Embedded Enterprise 7 64-bit, Windows Embedded Standard 7 64-bit, or Windows Server 2008 R2.▪ Matrox Mura 3.01 drivers or above for Windows.
On a controller using C-Series products	<ul style="list-style-type: none">▪ Windows 10, or any Professional, Standard and Embedded versions of Windows 7. You can also install Windows 10 IoT, Windows Server 2008 R2, or Windows Server 2016.▪ Linux – Ubuntu 14.04 or CentOS 7.2,▪ Matrox Mura 3.01 drivers or above for Windows.
On a controller using third party graphics hardware	<ul style="list-style-type: none">▪ Microsoft Windows 7 (64-bit) SP1 or Windows 10 64-bit. You can also install Windows Server 2008 R2 or Windows Server 2016.▪ Matrox Mura 3.01 drivers or above for Windows.
Mura IPX 4K IP Decode and Display card	<ul style="list-style-type: none">▪ Mura IPX Series 4K Decode and Display firmware package 3.01.00.
On the client system (where MuraControl for Windows is installed. The program can also run locally on your controller system.)	<ul style="list-style-type: none">▪ Microsoft .NET Framework 4.5.2▪ Microsoft Windows 7 64-bit SP1, Windows Server 2008 R2, Windows Server 2012 R2, Windows 10 64-bit, and Windows Server 2016.▪ USB dongle (software license) to use MuraControl for Windows software past the 21 day free trial.

System requirements (for systems running MuraControl for Windows)

- 1 GHz or faster 64-bit (×64) processor
- 2 GB RAM

Installing MuraControl software

To install Matrox MuraControl for Windows on the client system, launch *MuraControlSetup.msi*, then follow the on-screen instructions.

Connecting to the controller

To be able to run MuraControl, you'll need to enter the IP address, port, and password (if one was specified) of the controller you want to connect to. When you're done, click **OK**.

Entering an IP address	<p>When you start MuraControl for the first time, you are prompted to manually enter the IP address of the controller you want to connect to. If you don't enter a valid IP address, you'll be prompted each time you start the application until you enter a valid IP address. Once a valid IP address is entered, the IP address is automatically saved.</p> <p>If you want to run MuraControl on the Mura controller, enter localhost as your IP address.</p> <p>If UPnP is enabled, the controllers currently on the subnet are automatically discovered. To connect to a controller, select the controller from the drop-down list that appears.</p>
Entering a port	<p>Enter the port of the controller. Use port 23 for open communication with the video wall controller and port 46272 for HTTPS communication.</p> <p>HTTPS communication is unsupported with Mura IPX Multiviewers.</p>
Entering a password	<p>If the controller you want to connect to is password protected, MuraControl will use the password entered, if one was specified. If the password specified is invalid, you'll be prompted to specify a new password.</p>

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

You can get technical assistance by contacting Matrox technical support at dwcsupport@matrox.com.

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