Matrox™ **Mura IPX Multiviewer Release Notes**

For Matrox™ Mura™ IPX Multiviewer version 2.00.00

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Overview

This document describes the current release of the Matrox Mura IPX Multiviewer and for the Mura IPX Multiviewer Updater for Microsoft® Windows® and Linux® operating systems.

When using MURA-IPX-O4DF as a standalone multiviewer, the product only uses the PCIe® slot to receive power. The network stack, software, and firmware run on the card. There are no requirements for any operating system to be present on the system.

Matrox provides these notes to describe bug fixes and improvements to the software, API, and driver.

What's new in this release

This release of the Mura IPX Multiviewer Updater adds support for the following features and options:

- Support for Autostart functionality – Mura IPX Multiviewer can automatically start the Network API and load the previous layout when the card is powered up.

- Support for variable frame rate cameras and streams.

- Performance and stability improvements.

- Optimizations in the number of SD decodes per board (48 streams).

- General bug fixes.

Notes and limitations

The following are known issues that may be fixed in a future release:

- If static IP addressing is used, your network must have an NTP server for the Mura IPX Series card to function properly.

- Interlaced video on both the inputs and outputs are currently unsupported on Mura IPX Series.

- Only RTSP protocol is currently supported for IP streams.

- All outputs must have the same resolution and refresh rate.

- The Output mode list from the monitor EDID is obtained only from the monitor connected to output connector 1.

- Framelocking across multiple Mura IPX Series cards is unsupported.

Known issues and limitations with the Network API interface

The following are known issues and limitations when using the Network API interface:

- Not all Network API commands are supported in all supported display wall hardware configurations. For example, some commands supported on MPX-based controllers are not supported for the Mura IPX Multiviewer product and vice versa. For a complete list of supported commands, use the Capabilities functionality in the Network API.

- The Network API parameter **/F** (Filtering) is unsupported.

- When the Network API parameters **/ARA** (AutoRecoveryAttempt) and **/ARD** (AutoRecoveryDelay) are set individually, the value of the other is reset to default despite it having been set in the past. This also occurs when **/AR** (AutoRecovery) is enabled.

- **SetPassword** command returns **Invalid Command** instead of **Not supported**.

- Alpha Blending, color keying, transitions, previews and effects are unsupported on the Mura IPX Multiviewer.

- When the *Netinfo* command is called, only the host network adapter is listed. [26732]

- HTTPS communication with the Network API is unsupported with the Mura IPX Multiviewer.

- Source image overlay may not be placed in the correct position and may bleed out of a Window surface.

- Source text overlay does not scale accordingly when a window is being resized.

- Marquee text transparency is unsupported.

- The date on the wall may freeze when an older date is assigned.

- Rotation of IP sources is unsupported.

Setting up your Mura IPX Multiviewer

1   Install and connect your MURA-IPX-O4DF card in a system, chassis, or enclosure providing PCIe power to the board. For more information, see your user guide.

2   Make sure your card is connected to the network by using the network jack on your Mura IPX card.

3   Run the Mura IPX Multiviewer Updater. Make sure to use the latest firmware available on our website. For more information, see "Matrox Mura IPX Multiviewer Updater".

4   You may set your output configuration and output resolution by using MuraControl for Windows and/or the Network API.

Matrox Mura IPX Multiviewer Updater

The Matrox IPX Multiviewer Updater enables you to update the software on your Matrox Mura IPX Multiviewer products.

> **Note**: Your Mura IPX Multiviewer product may ship with older software versions. Before using your Mura IPX Multiviewer product, you must update the software installed on your devices to use the version of your deployed release.

Operating system support

The Matrox Mura IPX Multiviewer Updater supports the following operating systems:

- Windows® 10 (64-bit)
- Windows® Server® 2012 R2
- Windows® 7 (32-bit, 64-bit)
- Windows® Server® 2008 R2
- Ubuntu® 14.04
- CentOS™ 7.2

Before you begin

Before you update your Mura IPX Multiviewer devices, read the following guidelines:

- Make sure you have at least 1 GB of free disk space available.
- **Windows only** – Make sure Microsoft .NET Framework version 4.5 is installed on your system.
- **Linux only** – Make sure Xamarin "mono-complete" package version 5.4.0.201 or later is installed on your system.
- To avoid possible problems with your Mura IPX Multiviewer devices, we recommend running only one instance of the Mura IPX Multiviewer Updater at a time.
- Make sure you're running the latest version of the Mura IPX Multiviewer Updater.
- Close any programs that may be running and using any of the Matrox display wall APIs.
- Close any display wall layout.

Obtaining the Matrox Mura IPX Multiviewer package

Matrox makes the latest updater and software package for your Mura IPX Multiviewer products available on the Matrox web site (www.matrox.com/graphics/en/support/drivers/download/mura).

Updating your Mura IPX Multiviewer devices

On a system on the same subnet as your Mura IPX Multiviewer:

1   Download the latest software package and extract the files to a local folder on your system (for example, *C:\Updater*).

2   Browse to the folder containing the extracted files.

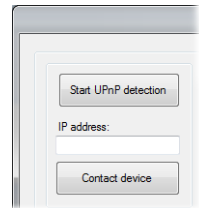**3**   **Windows** – Run the *UpdaterOverNetwork.exe* file.

   Linux – Enter the command **mono UpdaterOverNetwork.exe**.

   This opens the Matrox Mura IPX Multiviewer Updater.

4   Scan for available Mura IPX Multiviewer devices or locate your multiviewer device using its IP address

   To scan for Mura IPX Multiviewer devices on your subnet, click **Start UPnP detection**.

   To locate a single device using the IP address, enter the IP address of the Mura IPX Multiviewer device you want to locate. To locate multiple devices, separate each IP address with a space. Then, click **Contact device**.

   You can also locate multiple devices by entering the IP address of each device and clicking **Contact device**.

5   Select the devices to update

   Select the devices you want to update. Devices with an older firmware version are automatically selected.

6   Enable update options

   To reset device settings, including the IP address, while updating the software, enable **Restore default settings**.

7   Update your devices

   When you're done adding Mura IPX Multiviewer devices to the list of devices you want to update, click **Update selected devices**.

   Updating devices may take up to 20 minutes. For more information on the process of a firmware update, click **Show log** at the bottom of the program window.

If you're updating a Mura IPX Multiviewer and the updater is suddenly interrupted (for example, in the event of a network or power interruption), your Mura IPX Multiviewer may not be fully updated and will continue to run in maintenance mode. To recover and resume the update, re-launch the updater.

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.

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

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