

Matrox® Video Release Notes

Matrox® Mura DVW™

Software version 1.02.00

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Overview

This document describes version 1.02.00 of the Matrox Mura DVW firmware. Matrox Video provides these notes to describe new features, bug fixes, and improvements in the Mura DVW product.

For an overview of the Matrox Mura DVW, including a list of benefits and features, please refer to our [website](#).

What's new

This release includes the following new features and improvements:

- **Keyboard/mouse mode:** You can now interact directly with Web sources displayed on your DVW video wall using your mouse and keyboard. This new capability lets you seamlessly navigate websites, log into accounts, manage online content, and control embedded web applications, all from within your video wall environment.
- **Device recovery:** New **Backup** and **Restore** functions allow you to save the layout and source elements of your video wall and use them to recreate your wall on any Mura DVW device.
- **Bezel overlapping:** You can now overlap the vertical and horizontal bezels of a device's outputs.
- **Date and time:** You can now set your Mura DVW device to NTP time or set the date and time manually.
- **Wall start settings:** New preferences let you choose how your wall will appear on startup, including the option to automatically activate a layout that was active when the previous session ended.
- **Language setting:** You can now choose to display the user interface in French.
- **Keyboard shortcuts:** New shortcuts facilitate common tasks.
- **MPEG2-TS stream support:** You are now able to capture, decode, and display Multicast MPEG2-TS streams.
- As with all Matrox releases, this update delivers resolved issues and continued improvements to product stability.

Notes and limitations

The following are notes and known limitations that may be addressed and/or improved in a future release.

General Mura DVW

- Only the latest Chrome and Edge browser are supported.
- Ensure to clear the browser history before updating the Mura DVW.
- If a Mura DVW becomes bricked due to power loss on firmware update or other, you will need to boot into the recovery menu (during boot up, press and hold the Esc key until the options menu appears) and select option 1: **Restore Factory Image**. The unit will be recovered to the firmware that was programmed from factory.
- You must use identical monitors with the same mode on all outputs of all Mura DVWs that are part of the same wall.
- Synchronization is not supported for SRT stream decodes across multiple Mura DVW units.
- Synchronization issues may occur when sources contain B-frames.
- Synchronization is not supported for HTML sources across multiple Mura DVW units.
- Enabling RTSP interleave may be necessary for certain high-bitrate RTSP streams, depending on network conditions.
- Audio is currently not supported. Streams with audio will only decode and display the video.

- The table below shows the typical number of streams a single Mura DVW can decode and display, based on various resolutions, refresh rates, and codecs:

	H.264 4:2:0 8-bit	H.265 4:2:0 8-bit	H.265 4:4:4 8-bit
8K60	N/A	1	1
4K60	6	7	3
4K30	12	12	7
1080p60	18	22	14
1080p30	40	42	23
720p60	31	42	28
720p30	71	80	45

These numbers are achievable with a single Mura DVW unit while outputting 4x 4Kp60. Higher performance can be expected with fewer outputs, lower refresh rates, or lower resolutions.

MuraConfig

- User documentation is available only in English for this release.

MuraControl

- User documentation is available only in English for this release.

Known issues

The following are known issues while using Mura DVW.

General Mura DVW

- LAN 2 is currently not supported. Ensure that only LAN 1 is used. [DDW-519, MURAWEB-41]
- A monitor must always be connected to HDMI-1. [DDW-444]
- V-Sync might continuously shift on HDMI 1 when a refresh rate of 59.94 is used. [DDW-806]
- Mura DVW requires mDNS to function properly. If mDNS is not working, use “Host Mapping” on all Mura DVW units to correctly map device IP addresses to hostnames. [DDW-512]
- Proxy settings are not distributed across devices. The user must configure the proxy on each individual unit using the API. [DDW-535]
- Synchronization can take between 2 to 6 minutes with SHIFT values going from 0.1 to 0.01. [DDW-636]
- Mura DVW does not support a horizontal output resolution above 4096. [DDW-775]
- If a monitor is disconnected from a secondary device or replaced with one that does not support the display mode, starting up the primary device and the affected secondary device will result in failure. The remaining secondary devices will still stream. [DDW-841, DDW-530]
- To start the wall correctly upon booting the device, all device outputs must be physically connected to the monitors. [DDW-444]

MuraConfig

- When updating from firmware version 1.0 to any other version, nothing will happen on the web page once a full progress bar is displayed. Refresh the browser window manually to load the new page. [MURAWEB-267]
- It is not possible to update a device on firmware version 1.0 from a primary device that is on firmware version 1.01 and up. To add a device on firmware version 1.0 to a wall that's based on firmware version 1.01 and up, do the following: [DDW-905]
 1. Log in to the device that's on firmware version 1.0.
 2. Update the firmware.

3. Enter the recovery menu (during boot up, press and hold the Esc key until the options menu appears) and perform a **User Configuration Reset** (option 3).
 4. Add the device to your wall.
- The video mode/resolution of 1920 x 2160 @ 59.98 fps may fail to apply and trigger an unintended reboot of the Mura DVW. [DDW-534]
 - When used on Safari running on MacOS, MuraConfig and MuraControl have UI issues. [MURAWEB-25]
 - Disabling DHCP will automatically disable DNS, which results in the DNS information being erased. However, toggling DNS back to **ON** allows the user to automatically recover and preserve the same DNS information. [MURAWEB-183]
 - When rebooting a setup with multiple Mura DVW units, the boot-up time for each unit may vary. If the primary Mura DVW boots before some secondary units, the Mura DVW user interface allows you to connect to the units that have not finished booting, though error messages may appear until the process is complete. If the error message persists, right-click the device that shows the error and click Refresh to remove the message. [DDW-578]
 - The device cannot stream if the IP source is IPv6 only. [DDW-947]

MuraControl

- Adding too many large text overlays may cause the wall to crash. [DDW-842]
- When sources are restored into a wall and the wall contains a layout that uses sources with the same names as the restored ones, the windows of the layout will appear as rectangles with a red box in the center. [DDW-1093]
- The Web page may become unresponsive after clicking on links to open new tabs or windows on HTML sources. To recover, re-add the source to your wall or reapply the layout. [DDW-1065, DDW-1049]
- The Source_TextOverlay_BackgroundMode OpaqueFullWidth does not work as expected if the overlay image width is over 8096px. The source text overlay can be displayed by changing the width to a maximum of 7680px. [DDW-631]

Network API

- Any commands that involve auto-recovery configuration must explicitly include all the parameters to work properly. [DDW-465]
- If you set the telnet password in NetAPI and try to connect to the wall using WebApp, you will get an error window ("Error connecting to the device"). To

connect to the wall using WebApp, remove the telnet password in NetAPI, reboot the device, and refresh the browser. [MURAWEB-410]

- Making several consecutive changes to the display mode of the wall may result in errors, or the wall may hang on a stop command. [DDW-448, DDW-534]

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 video.matrox.com.

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

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

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