

Matrox® Release Notes

Matrox® QuadHead2Go™ Series

Software version 1.01.00

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www.matrox.com/graphics

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Graphics for Professionals

Overview

This document describes the release of the QuadHead2Go firmware (v. 1.01.00). Matrox provides these notes to describe known issues and limitations with the QuadHead2Go firmware package. This firmware is compatible with all QuadHead2Go products: the standalone appliances (Q2G-DP4K and Q2G-H4K) and the PCIe® cards (Q2G-DP4K-C and Q2G-H4K-C).

What's new

- Support for the new QuadHead2Go Q155 (Q2G-H4K and Q2G-H4K-C) appliance and card versions with 1x HDMI input and 4x HDMI outputs.
- Support for frame skip circuitry. With this, the frame rate of the input video source can be higher than that of the output refresh rate. Note: Since frame repeat circuitry is already supported, the frame rate of the input video source can also be lower than that of the output refresh rate.
- The REST API provides support for button functionalities (for example, to change the source content, or show the on-screen display information).
- The REST API provides support for button locking to prevent users from operating the physical buttons on the unit.
- General bug fixes.

Supported features

- HDCP support.
- Out of the box support for the following configurations (all outputs 1920x1080 @ 60Hz):
 - 2x2 Landscape (3840x2160 @ 60Hz input)
 - 2x2 Portrait (2160x3840 @ 60Hz input)
 - 1x2 Landscape (1920x2160 @ 60Hz input)
 - 1x2 Portrait (1080x3840 @ 60Hz input)
 - 1x3 Landscape (1920x3240 @ 60Hz input)
 - 1x3 Portrait (1080x5760 @ 60Hz input)
 - 1x4 Landscape (1920x4320 @ 60Hz input)
 - 1x4 Portrait (1080x7680 @ 60Hz input)
 - 4x1 Landscape (7680x1080 @ 60Hz input)

- 4x1 Portrait (4320x1920 @ 60Hz input)
- 3x1 Landscape (5760x1080 @ 60Hz input)
- 3x1 Portrait (3240x1920 @ 60Hz input)
- 2x1 Landscape (3840x1080 @ 60Hz input)
- 2x1 Portrait (2160x1920 @ 60Hz input)
- Clone (all outputs will display a downscaled incoming signal)
- Ability to adjust the output resolution and detailed timings based on the EDID of the attached monitor when the **Force output mode** option is disabled.
- The following features are supported through Matrox PowerWall™ or the Matrox QuadHead2Go REST API:
 - Clone mode
 - Rotation
 - Edge overlap
 - Bezel management (supported on every edge for each output)
 - Video scaling and cropping

Notes and limitations

- Scaling is supported on the QuadHead2Go with a maximum upscale of 8x and a maximum downscale of 4x. Scaling is not supported in the following situations:
 - In a single column configuration, when rotated to 90 or 270 degrees, *and* attempting to upscale vertically, *and* attempting to downscale horizontally.
 - In a single column configuration, when rotated to 90 or 270 degrees, *and* attempting to upscale horizontally, *and* attempting to downscale vertically.
- The maximum input resolution to a QuadHead2Go device is 8192x8192. This resolution requires a refresh rate of 8Hz or lower.
- Display drivers for your graphics hardware must be installed before you connect to your QuadHead2Go device.
- Currently, the display resolution of your input source must match that of the selected preset.
- When using Ubuntu® with Matrox C680 graphics cards, mode line must be used for resolutions above 1024x768.

- When using QuadHead2Go with a C680 graphics card as a source with a resolution of 5760x1080 (3x1 Landscape), 7680x1080 (4x1 Landscape), or 4320x1920 (4x1 Portrait), make sure you're using C-Series display driver version 5.04.01 (October 2019) or newer.
- When connected to the output of a graphics card, to view your system BIOS information, we recommend using the **Clone** layout. You can select a layout by pressing the button 2 on your QuadHead2Go device.
- If you're capturing HDCP content, make sure all monitors and cables connected to your QuadHead2Go device are HDCP compliant.
- HDCP may not work with all adapters.
- Audio isn't currently supported.
- IPv6 isn't currently supported.
- The current Firmware Updater will overwrite a device configuration when upgrading from a *beta* software/firmware.

Matrox QuadHead2Go REST API and PowerWall

To configure and control your QuadHead2Go devices, you can use the Matrox QuadHead2Go REST API (available upon request) or the Matrox PowerWall software. For more information, contact your Matrox sales representative.

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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