

# Matrox® Release Notes

## Matrox® QuadHead2Go™ Series & PowerWall Software

Version 2.02

20295-401-0202  
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# Overview

This document details the latest release of the Matrox QuadHead2Go firmware (v. 2.02.00) and PowerWall software (v 2.01.00). Matrox has provided these notes to highlight the new features, enhancements, known issues, and limitations of this firmware and software package.

The QuadHead2Go 2.02.00 firmware is fully compatible with all QuadHead2Go products, including the standalone appliances (Q2G-DP4K and Q2G-H4K) and PCIe® cards (Q2G-DP4K-C and Q2G-H4K-C).

The Matrox PowerWall 2.01.00 software is compatible with Microsoft® Windows® 10 64-bit operating system and the latest Microsoft® Windows® 11 64-bit operating system.

## What's new

Firmware:

- The latest firmware now offers support for the new “rev 2” QH2Go ECO units, and is fully compatible with all QuadHead2Go units, both old and new.

PowerWall Software:

- **New Monitor Management module:** You can now add, remove, or modify monitor entries within the PowerWall database.
- **New Output Management module:** You can now easily create custom output timings by specifying the width, height, and refresh rate.
- **New Input Management module:** You can now create custom input EDIDs by specifying the width, height, and refresh rate.
- **New Edge Select feature:** You can now position monitors easily by selecting the edges of different monitors and specifying the spacing between them.
- **New feature:** You can now upload the same configuration to multiple QuadHead2Go units simultaneously while in single device mode.
- The monitor database has been updated to include newer monitors and displays.
- Various bug fixes and improvements.

## Supported features

- Audio on all outputs.
- HDCP support.

- Out-of-the-box support for the following configurations in Single View mode (all outputs 1920 x 1080 @ 60 Hz):
  - 2x2 Landscape (3840 x 2160 @ 60 Hz input)
  - 2x2 Portrait (2160 x 3840 @ 60 Hz input)
  - 1x2 Landscape (1920 x 2160 @ 60 Hz input)
  - 1x2 Portrait (1080 x 3840 @ 60 Hz input)
  - 1x3 Landscape (1920 x 3240 @ 60 Hz input)
  - 1x3 Portrait (1080 x 5760 @ 60 Hz input)
  - 1x4 Landscape (1920 x 4320 @ 60 Hz input)
  - 1x4 Portrait (1080 x 7680 @ 60 Hz input)
  - 4x1 Landscape (7680 x 1080 @ 60 Hz input)
  - 4x1 Portrait (4320 x 1920 @ 60 Hz input)
  - 3x1 Landscape (5760 x 1080 @ 60 Hz input)
  - 3x1 Portrait (3240 x 1920 @ 60 Hz input)
  - 2x1 Landscape (3840 x 1080 @ 60 Hz input)
  - 2x1 Portrait (2160 x 1920 @ 60 Hz input)
  - Clone (all outputs will display a downscaled incoming signal)
- You can use PowerWall in offline mode, which allows you to set up configurations without requiring a physical QuadHead2Go device.
- When you disable the **Force output mode** option, you can adjust the output resolution and detailed timings based on the attached monitor's EDID
- The following features are supported through Matrox PowerWall™ or the Matrox QuadHead2Go API:
  - Clone mode
  - Rotation
  - Edge overlap
  - Video scaling and cropping
  - Bezel management (supported on every edge for each output)

## Notes and limitations

- When updating the firmware from QuadHead2Go 1.xx to 2.xx, the firmware update may lose connection to the QuadHead2Go device. To recover, reboot your QuadHead2Go device.
- The installation of PowerWall 2.xx software will overwrite any configurations that were saved in previous (1.xx) PowerWall releases.
- Configurations saved on a QuadHead2Go device will be preserved when performing a firmware update from QuadHead2Go 1.00 or later. To preserve these configurations in PowerWall, do the following:
  1. Update the firmware on the QuadHead2Go device to 2.xx.
  2. Perform a download from the updated device to the PowerWall 2.xx software.

Please contact Matrox if you have any questions.

- To facilitate bezel management, you can choose the bezel management grid from the QuadHead2Go button 1, and use the **Source adjustments** feature in the PowerWall software. For more information, see the **Help** section in your Matrox PowerWall software.
- Scaling is supported on the QuadHead2Go with a maximum upscale of 8x and a maximum downscale of 4x, except in the following situations:
  - When rotated to 90 or 270 degrees, AND attempting to upscale vertically, AND attempting to downscale horizontally.
  - When rotated to 90 or 270 degrees, AND attempting to upscale horizontally, AND attempting to downscale vertically.
- Currently, the display resolution of your input source must match that of the selected layout for the pre-set configurations.
- 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 button 2 on your QuadHead2Go device.
- If you are capturing HDCP content, make sure all monitors and cables connected to your QuadHead2Go device are HDCP compliant.
- Ensure your graphics driver is up-to-date prior to using with the QuadHead2Go.
- When creating designs or configurations in the PowerWall software, use only English alphanumeric characters.
- When creating a multi-device 1xN landscape configuration in the PowerWall software, it is possible that the bezel grid lines display different colors.

- Due to variances in source behavior, it is possible that the source device is not capable of disabling the input to QuadHead2Go and is therefore not triggering the monitors to turn off at the outputs of the QuadHead2Go.
- HDCP may not work with all adapters.
- IPv6 is currently not supported.

## Matrox QuadHead2Go REST API and PowerWall

To configure 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.

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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 <https://www.matrox.com/video/>.

If you have any questions or comments about our products or solutions, contact us at <https://www.matrox.com/en/video/contact>.

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