The all NEW CORIOmaster2 (CM2 547)

Firmware G502_05

Released By: Neil Baptiste 02-Dec-21

IMPORTANT

- ❖ It is not possible to upgrade a BLACK faceplate CPU to this firmware in the field. Please contact your local tvONE Technical support team for assistance.

This software is for:

- Hardware: CORIOmaster2 (CM2-547 with CPU card with BLUE faceplate fitted).
- Firmware: G502_00 is the second version of firmware for this CPU platform, you cannot upgrade from old hardware.
- Control Software: CORIOgrapher v3.2.3.1

✅ For help with connecting, setting up, and using CORIOgrapher, see CORIOgrapher Help, or the Quick Start Guide that came in the box.

Downloads

Download the latest firmware here: https://tvone.com/tech-support/firmware

Download the latest control software here:

- o CORIOgrapher: https://tvone.com/tech-support/software
- o CORIOdiscover: https://tvone.com/tech-support/software

Previous releases

- G502_01

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[New Features]

- **HDCP behavior / functionality**

CORIOmaster2™ support for HDCP.

Your CORIOmaster2 can support video inputs and displays with no HDCP or with HDCP versions 1.4, or 2.2 when using supported modules.

Read about modules in the user manual.

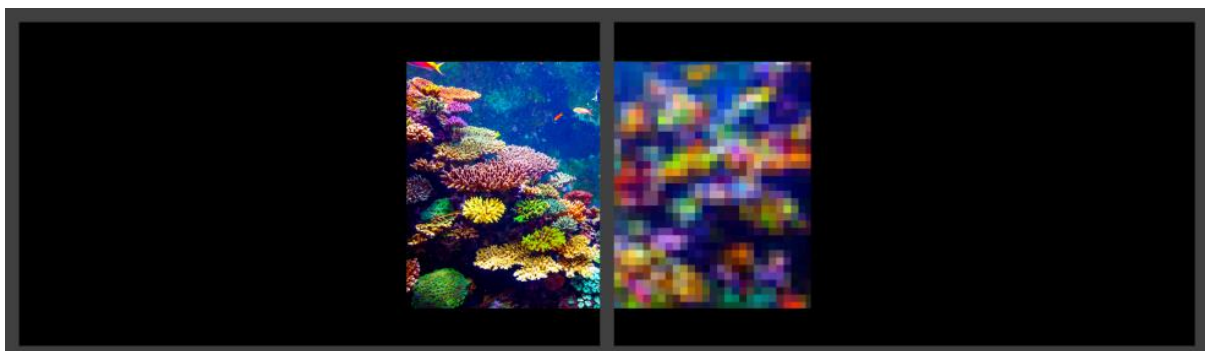### How does my CORIOmaster2 handle mixing of HDCP versions?

CORIOmaster2 will pixelate the portion of a window on displays that are using a lower HDCP encryption than required by the input sources, for example a Blu-ray player.

Use this table to identify HDCP compatibility between your sources and displays:

		Displays		
	HDCP versions	**None**	**1.4**	**2.2**
	None	✔	✔	✔
Sources	**1.4**	Pixelated	✔	✔
	2.2	Pixelated	Pixelated	✔

Show me an example of window pixelation

The left display has HDCP encryption high enough for the input source, but the right display doesn't, so the part of the window shown in the right display is pixelated.

Fixed

- The REST API now allows layouts to be setup.

- Edge Blend values not getting re applied after reboot.

Known Issues

- Canvas1 audio can be heard on other canvases (If no Audio card is fitted).
  - Workaround is selecting and de-selecting the audio or muting the audio for canvas 2 or 3.

- Outputs are affected (corruption) when changing another output resolution on the same output card (this is brief, and the system fixes itself).

- Random black screen when removing and re-adding displays when (HDCP = KeepOff)

- Saving all settings can add up to 2mins 30 seconds if module config change

- User is able to select all resolutions on AVIP (Media card) channel 2, but only 1080p60 is supported.

- If HDCP is ON the input, and HDCP is NOT ON the output you will get a blank black picture, but the audio will be present.

- No embedded audio with output resolutions apart from the CEA specified resolutions.

- Changing pixel clock on an active custom resolution has no effect.

- If you hot plug the 2K 4in card it shows video for 1s then goes black for 4s - 9s and is then shows stable video afterwards.

- Pink windows sometimes appear as multiple inputs are connected simultaneously, issuing the forcelinkrefresh() command or hot-plug of the output will correct it.

Notes

We support custom resolutions on our Output modules and our Input modules. There are varying limitations dependent on the module that you want to use custom resolutions to work on. Please read the manual for the full limitations / requirements needed.