# CORIOmaster™ firmware M406_0J

This software is for:

- Hardware: CORIOmaster™ (C3-540), CORIOmaster mini™ (C3-510), and CORIOmaster micro™ (C3-503)
- Firmware: M307 or later, use CORIOdiscover™ V1.6.2.1 or later to update to this version
- Control Software: CORIOgrapher™ v2.7.2.5

✅ 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: tvone.com/firmware-updates

Download the latest control software here:

CORIOgrapher: tvone.crmdesk.com/answer.aspx?aid=20766

CORIOdiscover (firmware updating tool): tvone.crmdesk.com/answer.aspx?aid=21697

## Previous releases

Read details on previous releases here:

tvone.crmdesk.com/image.aspx?mode=file&id=14806

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# January 2019 CORIOmaster firmware M406_0J

Released 22-01-19 By: Neil Baptiste

This is a major release for CORIOmaster firmware, updating from M404_08

## New Features

- Added support for embedded audio for C3-540 / C3-510
- Added REST API ("old" API port 10001 still works in unsecure mode)
- Added HTTPS support (only available with new HTTPS CPU module)
- Added websockets and exposing events for controllers to subscribe to
- Added Real Time Clock (RTC) / Network Time Protocol (NTP) support
- Added AVIP low-latency mode for low latency decode applications
- Added AVIP H.265 (HEVC) Main8 support & Dual-channel 4K/30 IP streaming over IP
- Added support for new 4x HDMI output card (CM-HDMI-SC-4OUT)
- Added support for new analog audio I/O card (CM-AUD-2IN-4OUT)
- Add Firmware version to CORIOdiscover list of discovered devices in secure or unsecure mode
- New API commands to cover new functionality listed above and to show which Preset is current

## Fixed

- Cannot connect back to device after running RestartEthernet command while connect over ethernet
- C3-510, Slot6in1 issue: HDCP not working correctly from certain sources
- Black/White "dots" seen at bottom half of a 4k30 output
- Parts of window (4K DCI resolution + UHQ) rendering delayed on 2 DVI-I output during preset recall
- HDMI 4K 2 In module EDID shows only 1ch audio support.
- Noise can be seen on top right corner of 2 screens when using 4K30 DCI resolution.
- Attempting to play stream when AVIP module is not connected to the network can lock up comms
- Potential backplane DMA comms issues on HDMI & HDBaseT input modules
- Password and or username field can be set to nothing/empty resulting in lock out (API)
- DHCP IP addresses Can get stuck at 0.0.0.0
- HDMI 4K Input Card, AVIP: Flashes when changing to/from 4K resolution
- CORIOmaster mini API, Slots command returns 16 when it only has 6

## Known Issues

The REST API command;
http://{{serverIP}}/api/{{ApiVersion}}/system/comms/ethernet/restartethernet will crash the unit if the CPU does not have the new Real Time Clock module fitted. Workaround = power cycle.