

# Cine-tal

Title: Cinemage Release v3.0 Readme

Date: July 25, 2008

## Special Notes

**Due to the number of new features version 2.3 has been renumbered to 3.0.**

There were major changes in the calibration mechanism going from any previous version to 3.0. If you purchased the Auto Calibration option with your Cinemage, after updating please reprofile your display at a resolution of 64 or more points for best results.

## 3.0 Major Feature Additions

1. Added Saturation as a calibration parameter. This acts just like the other calibration parameters such as brightness, gamma, and contrast. Saturation displaced the resizer mode on the display settings menu.
2. Limited support for the following new 2K formats:
  - a. 2048 x 1080 p 24
  - b. 2048 x 1080 p 23.98
  - c. 2048 x 1080 PsF 24
  - d. 2048 x 1080 PsF 23.98

Support is for monitoring, SDI passthrough, input LUTs, calibration, and 3D LUTs, in single and dual link. The framestore and waveform vector scopes are not supported. As the actual panel is only 1920 pixels wide, there are five modes of operation:

- a. A squeeze to fit all 2048 pixels on the screen. This is a 16x9 HD aspect ratio.
- b. The left 1920 pixels are displayed pixel-per-pixel (not available in PsF).
- c. The center 1920 pixels are displayed pixel-per-pixel (not available in PsF).
- d. The right 1920 pixels are displayed pixel-per-pixel (not available in PsF). Note that in some systems the rightmost 2-4 pixels may not be displayed (this will be fixed in an upcoming release).
- e. Native 2K 1:85:1 aspect ratio.
- f. 2.35:1 Anamorphic aspect ratio

Note that DVI devices hooked up to the Cinemage DVI output may have some difficulty showing the image when in 2K mode, as the blanking and pixel clock do not conform to DVI specifications (this is due to the nature of 2K and DVI and can't be changed).

3. Improved, more accurate calibration mechanism with the following features:
  - a. Support for an arbitrary number of points in the calibration profile, resulting in a more precise calibration.

- b. Added the ability to revert to a previous calibration profile or to the factory profile.
  - c. Changed profile mechanism to asynchronously report the profiling status and allow for canceling a profile that's underway (this is helpful with larger profiles).
  - d. Added "Reset Probe" button.
4. Added support for framestores, vertical split screen, cages, crosswire, and 3D LUTs in standard definition mode. Note that the display and any downstream SDI devices may show some distortion (or alarms) if 3d LUTs are loaded in SD mode, but not during normal operation.
  5. iPhone Web application for monitor control. With the web server on use Safari on your iPhone or iPod touch to access the monitor name (usually in the format <http://cinetal-123456.local>). If you are having problems accessing your Cinemage from your iPod Touch or iPhone contact Cine-tal technical support for the "Apple Compatibility Updater", currently in beta. This adds support for the Apple "Bonjour" protocol.
  6. Updated support for the X-Rite "Hubble" colorimeter.

**Installation Instructions:**

1. Be sure you have all of the required files. The two files included with this release are:
  - i. Updater: **update\_full\_v3.0.cup**
  - ii. This document: **Readme\_v3.0.pdf**
2. Insert a USB data key (almost all USB memory or data keys will work) into your computer (Mac or PC).
3. Verify that the datakey is formatted for FAT (most are) or NTFS.
4. Create a folder named "cinetal" on the root of the USB datakey.
5. Move the file named update\_full\_v30.cup to the folder named "cinetal" on the datakey. Make sure that there are no other Cine-tal updates in that directory.
6. Remove the datakey from the PC or MAC and insert it into the front or side USB post on the Cinemage unit.
7. From the Cinemage main menu go find the UPDATE FROM USB option.
  - a. If the previous version is 1.0 or 1.1:
  - b. From the main menu select far left button CINEMAGE MODEL# then the far right button MACHINE INFORMATION then MORE then MORE.
  - c. If the previous version is 1.3 or later:

- d. From the main menu select button SETUP then UNIT INFORMATION then MORE then MORE.
8. You will now see the UPDATE FROM USB button.
9. Press the UPDATE FROM USB button.
10. The Cinemage system will read from the USB and perform the update then shut down.
11. Remove the USB datakey. Power-up the Cinemage and the update will be in place.
12. Verify that the correct UPDATE shows under UNIT INFORMATION.

--- CRUCIAL NOTE ---

An incomplete update can result in a state that requires shipping the monitor to Cine-tal for repair.

If you aren't sure whether the monitor has completely shut down, wait at least 20 minutes before restarting. Alternately, there's a small internal green light visible through the top grate (on the left while facing the monitor). This light is only visible if the unit is on.

--- CRUCIAL NOTE #2 ---

We have occasional reports of updates failing; in this case when the monitor is restarted it will come up with a black screen; no video and no power-up test.

In this case rename the updater to "update.now" and place it in the root of the USB key. Then shut down your monitor, wait 30 seconds, and restart the monitor with the USB key already in place. This will reapply the update and shut down the monitor again. Since it's difficult to tell when the monitor actually shuts down in this case, wait at least 10 minutes before attempting to restart it again.

If this fails repeat the above with the file renamed to "emergency\_update.now".

Remove the key before restarting, otherwise the monitor will keep reapplying the update.