



DL.2 v1.2.4 Release Notes

October 3, 2006

DL.2 v1.2.4 is a production maintenance release for the DL.2 Fixture.

NOTE: There is no reason to upgrade existing fixtures from v1.2.3 to v1.2.4 as this release only adds support for the X1900XTX video card and contains no other features or bug fixes.

There are two software components, the Content Management Application (CMA) Client and the .dl2 upgrade package for the fixture itself. Installation of the latest CMA Client Software should always be done prior to initiating an upgrade of the fixture using the .dl2 package.

NOTE: Before upgrading existing fixtures, the Display Invert must be set to ON. This prevents a known issue from occurring that may prevent layers from properly playing on startup following the upgrade. After the upgrade the Display Invert may be returned to the previous setting.

The current version of the User Manual along with the Software is available at:

http://www.highend.com/support/digital_lighting/dl2.asp

A Service Bulletin and Encoder Cover Kit has been released for the DL.2 fixture. The new Encoder Covers will help protect from dust and particles collecting on the Encoder wheel causing errors in motion. The free kit can be obtained by contacting the HES Support Dept and providing the serial numbers for your DL.2 Fixtures. Full details are at: http://www.highend.com/pub/products/digital_lighting/dl2/docs/EncoderCap.pdf

To automatically be notified of DL.2 Software Releases you may join the DL.2 Release Announce List at:

http://www.highend.com/support/digital_lighting/DLmailinglist.asp

Users with access to DL.2 fixtures that are interested in joining the Software Testing Program may apply to become Beta Testers at:

<http://digital.highend.com/library/betasignup.nsf/request>

After updating, the Versions reported should be:

- *Software Version:* 1.2.4.920
- *Firmware Version:* 1.2.3.94
- *Windows XPe:* 1.0.x or 1.2.6

New Features in v1.2.4:

- Added support for the ATI X1900XTX video card. Note this video card can only be used in new units with chassis modifications to properly support this video card. Windows XPe image v1.2.6 is also required to support this video card.

Bugs Fixed in v1.2.4:

None.

PREVIOUS RELEASES

New Features in v1.2.3:

- Added Curved Surface Support for projecting onto not-flat surfaces. This is a huge advantage when using the Collage Feature on screens that are curved or have a curved portion to them to adjust the screen geometry beyond the normal keystone controls. Curved Surface Support includes a number of different surface types including: conical and spherical type curves, as well as corner surfaces. Full details on how this new feature operates are located at: http://www.highend.com/pub/products/digital_lighting/dl2/docs/Curved%20Surface%20Support.pdf
- Added support for the Christie Digital LX55 Projector.
- Color to Alpha effect added at DMX value 49 and Inverted Color to Alpha at DMX value 50 in Global and Graphic layers.
 - Mod1: Red to Alpha
 - Mod2: Green to Alpha
 - Mod3 Blue to Alpha
- Texture Mixing effect added at DMX value 51 on Global and Graphic Layers.
 - Mod1: Source Layer Select
 - Mod2: Source Effect/Visual Mode
 - Mod3: Crossfade from normal texture to other texture.
- Visual Mode Texture Mixing added at DMX value 12 on Graphic Layers.
 - Mod1: Source Layer
 - Mod2: Crossfade
 - Mod3: N/A
- Four-in-one display divides the display into quadrants showing each graphics layer and the final output image to aid in visualization while programming. This mode is accessed via the Global Control channel with a DMX value of 253.
 - Global Modifier: 4-in-one configuration. See current manual for all the configuration options.

Bugs Fixed in v1.2.3:

- 9639 Add Projector Type field in the Version tab.
- 9653 Opacity getting applied multiple times in collage (i.e. not allowing for crossfades).
- 9448 Loading movies into a paused state does not always start movies on first frame.
- 9610 Turning self test video patterns on should open the iris.
- 9295 Self test modes do not work without DMX applied.
- 8551 Play Once Forward after Pause and Rewind does not always hit last frame.
- 8456 Play Forward Once does not hit last frame after looping.
- 9706 Media clip will not rewind if previously paused on the last frame.
- 9720 Add Projector Type field to CMA configuration screen.

New Features in v1.2.2:

- Added the Collage Feature which allows seamless blending between multiple fixtures acting as one, to create a single large image. Full details on how this new feature operates are located at:
http://www.highend.com/pub/products/digital_lighting/dl2/docs/Collage%20generator.pdf
- Raindrop effect added at DMX value 46 in the Effects Channel.
 - Mod1: Controls the size/speed of the rain drops.
 - Mod2: Seeds the random number generator so that the units sync together across a Collage.
 - Mod3: Controls the rate of rain drops.

Bugs Fixed in v1.2.2:

- 9553 Croaker when switching between S-video capture and content.
- 9510 Scrubbing In-Frame w/Statistics turned on shows the actual Frame spooling up.
- 9339 Head fans running high and unwarranted filter warnings.
- 8151 Play Control Rewind does not always rewind.
- 9505 Computer gets in a state of slow playback.
- 9492 Implement active box fan control.
- 9573 Media playback stops after setting opacity to 0 and then above 0 when using Trigger Opacity.
- 9500 High CPU utilization on Stop and Rewind with High Res media.
- 9136 Display off setting persists when units are put in shutdown then power cycled
- 9579 Media Clip starts over when switching from play mode loop forward to once forward
- 9532 Iris will never open after homing if unit is in a continuous movement effect
- 9591 Media clip starts over when going from pause to once forward
- 9588 Display set to off upon reboot
- 9403 IP address bouncing between 127.0.0.1 and 169.254.x.x, CMA non-functional
- 9293 DL-2 can sometimes home off by a step

New Features in v1.2.1:

- Added Support for 17 flavors of NTSC, PAL, and SECAM video standards for the External S-Video input.

Note: Currently, changing the video input requires a reboot of the Graphics Engine for the new setting to take effect. Also, when using the camera set to Internal mode, the video input setting must be set to NTSC_M.

- Speed of Pan/Tilt motion has been substantially increased over previous versions.

Bugs Fixed in v1.2.1:

- 9196 Enable the Windows CMA to use .NET Framework 2.0
- 9093 Pin hole leak in iris sometimes present
- 9092 Full Screen Error messages should override display off
- 9082 Pan operation is greatly slowed on some units after position home from 50/50
- 9148 Increase speed of acceleration and maximum velocity without misstepping during can-can type movements.

New Features in v1.2.0:

- Additional Warning/Error messages added to the system for the Air Filter.
- The need to calibrate the Air Filter has been removed.
- Major re-work has been done to improve the motion performance and reliability.
For Optimal performance the Pan/Tilt motors should be recalibrated from the Menu.
- New Visual Effects added: Color Swap(RGB to BGR, GRB, RBG), Iris and Edge Fade background colors, Background Color and Color Cycle, Glow Color Cycle, Colorize Grayscale, Exposure Control.

Bugs Fixed in v1.2.0:

- 8869 Lamp does not douse during dataloss shutdown when Lamp Mode set to ALWAYS
- 8146 Iris gets caught in loop constantly grinding Iris Open/Closed.
- 8388 DL2 motion gets worse the longer the unit runs.
- 8175 CPU utilization goes up significantly with no network connected.
- 8138 Projector Defaults Button no longer accessible
- 8622 Data Loss Time Out value can be out of sync between menu and motion.
- 7933 Iris grinds loudly when doing a Home All while in Shutdown
- 8453 Pan randomly slams into stops until encoders turn off
- 8485 Inconsistent pan homing
- 8629 Lamp Hours not counting correctly in menu
- 8053 Add Filter Status Messages (connect to firmware)
- 8059 Add Projector Warning/Error Messages (connect to firmware)
- 8139 Projector In By DMX doesn't show current state
- 8170 Spurious USB Comm Errors
- 8152 Play Once after being told to Rewind and Pause does not function
- 8171 Loss of output after pause and change of media file
- 8054 Need to remove forced button nag on Filter Life Warning
- 8145 Iris opens prematurely during global home from certain positions
- 8597 Oddities with coming out of home when using art-net
- 7915 Self Test Video Patterns not working
- 8214 Memory leak related to media mode pause
- 8242 Motor Calibration does not always run or will not finish
- 8790 Add new iris objects to DL2 installer
- 8148 Menu Edit box still active after navigating away
- 8823 Need to add Pan/Tilt Encod Firmware Versions to the Menu
- 8867 Remove Filter Calibrate Button from Menu.
- 8093 Irises Slightly Small
- 8094 Rasterization Errors (4x3 Rectangle)
- 8111 DL-2 needs swap RGB to BGR

- 8155 Tilt Jump at end of slow move
- 8592 Certain aspects of the graphics engine respond slowly on art-net
- 8619 Glow Color Cycle Effect Added
- 8708 New Visual Mode and Global Effects Added.
- 8150 Display Off via DMX doesn't take effect immediately

Bugs Fixed in v1.1.0:

- 8077 Display will not come back on from menu action when display is set to "Off"
- 7937 Factory Defaults followed by Home All initiates a Firmware upgrade
- 7935 SuperObject::CreateFilterGraph: caught unhandled exception crashing individual Graphics Layers, on startup.
- 7695 FailureCGraphicsEngineCore::Render(): caught unhandled exception.
- 7454 Movies pause when inframe has previously been adjusted.
- 7758 Computer takes over 2 minutes to reboot remotely.
- 7653 Global Clock Negotiation Non-existent for synchronization.
- 7930 IR Illuminator not shutting off during fixture shutdown.
- 6789 Info tab: Hours Resets not working properly.
- 7328 Need Menu brightness/contrast control from CMA.
- 7864 Firmware Upload File Handling needs overhaul to verify matching firmware versions in cards.
- 7888 Firmware upload fails on first attempt after freshly imaged hard drive.
- 8058 Keystone Channels do not show up correctly in protocol menu.
- 7831 Values changed by the CMA are not reflected in the DL menu in real time.
- 8051 Added USB Security Error Messages.
- 7802 Iris can briefly prematurely open before GE is ready.
- 7916 LCD needs to become a blank screen in shutdown.
- 7961 Mask Strobe with "Cloud Iris" does not function properly.
- 7615 Loop Once Forward acts as pause.
- 7390 Media mode Stop acts as loop once forward, not pause.
- 7385 Opacity issue with overlaying 2 layers w/ same center point.
- 7548 Some objects tear when rotating one image through another.
- 8022 Glitch in output when changing between Index and Rotate.
- 7815 Shadow of object when wobulation used on 2nd effect mode.
- 7711 Clockwise object rotation should stop on a dime.
- 7734 Raster line on side of rectangle objects when Z position is pushed out.
- 7644 Global Intensity should behave as intensity.
- 8048 Unneeded tiling calculations.
- 7643 Projector Control Menu: OnScreenDisplay functions not active
- 7845 Control functions don't work under Art-Net properly.
- 7834 Menu: Projector input selection by DMX [Off] does not function.
- 7617 Loop Once Forward stops on the 11th frame.
- 6762 Sync modes not working correctly
- 7902 Actual/Expected Firmware version should be compared and uploaded on boot.
- 7245 Sync seems to be broken.
- 7847 Large latency and choppy playback of camera feedback with Preview mode on.
- 7911 GE becomes sluggish and goes to incorrect images
- 8039 Rasterization Errors As Effects Applied
- 7925 Need 'Select All' and 'Clear All' buttons in CMA Clone dialog.
- 7611 Reset Fixture Defaults not all active.

Bugs Fixed in v1.0.1:

- 7857 Fixed Motion Home All from causing Pan/Tilt to slam into stops occasionally.
- 7904 Client Installer now defaults to 'Program Files' location
- 7867 Security failure message added to display.
- 7912 Setting Fixture ID to 0 from CMA causes fixture not to boot
- 7859 CMA/Menu Setting inconsistencies fixed.
- 7910 Tilt motors misstepping fixed.
- 7913 Raw Data in DMX Menu Display now shows first entry for 'channel 0' as '--'
- 7614 Fixed occasional Menu lock ups
- 7822 Fixed Tilt Switch Auto not functioning and/or conflicts w/ registry
- 7868 Iris closes on loss of USB Comm
- 7920 Projector Defaults Menu Lockup fixed.
- 7923 Added 'Select All' and 'Clear All' buttons in CMA Upgrade Wizard
- 7917 DL-2 would not boot with video test pattern to "2"
- 7843 Added 30 second wait after menu keypress before enabling Preview on display.
- 7866 Fixed Security false triggering
- 7927 Data Loss Timeout: 'Off' option removed
- 7890 Projector Defaults sent to Projector
- 7655 Display Default: Left/Right Nav buttons improved
- 7900 Menu w/Invert On was partially off top of screen
- 7621 Fixture Shutdown' behaviour improved
- 6776 Fixed DL-2 position loss after being bumped
- 7566 projector input gets lost, must hard reset to rectify resolved.
- 7772 iris remains closed even when GE running fixed.
- 7862 Fixture should wake up on connecting DMX data after dataloss timeout
- 7532 Lamp/Projector Startup Modes implemented
- 7905 CMA Client Installer needs a EULA
- 6816 Pan and tilt slow just before hitting destination
- 7907 DL-2 loses position after homing
- 7787 Display Auto-invert occasionally not auto inverting
- 7799 iris slightly open upon bootup fixed
- 7932 Menu Button hits/Tilt Switch delays Data Loss Shutdown from happening
- 7560 Pan/Tilt Encoder On/Off setting in menu does nothing
- 7924 Iris closing for loss of USB comm to trimmed to 2 to 4 seconds
- 7914 CMA allows for invalid value for Self Test Video Pattern
- 7903 Chroma effects go away when image pos is not default