DL.2 v1.2.0 Release Notes
March 14, 2006

DL.2 v1.2.0 is a maintenance release for the DL.2 Fixture.

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.

The current version of the User Manual along with the Software is available at:
http://www.highend.com/support/digital_lighting/dl2.asp

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*:   1.2.0.777
- *Firmware Version*:   1.2.0.53
- *Windows XPe*:   1.0.x

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.

Known Issues in v1.2.0:

- Images can be slow to load the very first time they are called up, especially with multiple layers running (#7760).
- Rapid changing of images/videos for hours causes memory leak (#7660).
- Deploying Large Content Archives ~8GB or Archives with individual files >1GB may fail (#6407)
- Some Routers with no WAN connection may prevent CMA from communicating correctly. (#8099). The workaround is to not use a router or to provide a WAN connection to the router. Upgrading the Router firmware has also solved the problem in some situations.

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   Rasterizaton 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