

SUBJECT: VL2500™ Luminaire Software Update	SERIES: 2500
DISTRIBUTION: Service Centers, End Users	STATUS: Routine

Introduction

Embedded Software Update

Software update **02/22/08** for **VL2500™** **Luminaires** is now available. This technical bulletin covers all changes in this new version.

For instructions on downloading and installing VARI***LITE**® luminaire software, refer to technical bulletin LSW-002.

If you have any questions regarding this release or your VARI***LITE**® product, please contact Vari-Lite Customer Service at 1-877-VARILITE (or +1-214-647-7880) or via e-mail at customerservice@genlytecontrols.com.

Release Notes

Operational Note

WARNING: BEFORE installing this software in your luminaires, please read the enclosed document carefully as it describes operational changes that can affect both the operation of the luminaires and some pre-programmed cues. This software will affect programming that has been performed with previous versions of VL2500 luminaire software.

Improvements in the New Version

All VL2500™ Luminaires:

- When you power up VL2500™ luminaires with the "Menu" button held down, the lamp does not strike. This functionality is now the same as other Vari-Lite® luminaires.
- After you set "Spot" or "Wash", the VL2500™ now recalibrates automatically.

- As with other Vari-Lite® luminaires, color sensor tests now move the motors first, then read the sensors.
- Stand-By times have been revised to match other Vari-Lite® luminaires as follows:
 - 6 minutes from initial start up.
 - 1 minute when strobe is closed - alone.
 - 1 minute when dimmer is closed.
- Pan and Tilt sensor calibration has been improved.
- To comply with ROHS requirements, the PCBs used in newer displays no longer provide automatic orientation and do not respond to the "Auto" setting. With this release, you can set the orientation of newer VL2500™ displays from the menu: Config » Display » Disp Tilt » Up/Down. You can also flip the display with a menu shortcut by pressing both the Up and Down arrows simultaneously; however, this shortcut does not work when the display is set to "Auto".
- To apply timing to the rotating gobo index, you can still use console time to move the index at the desired speed, or, with this release, you can now use the gobo timing channel. For more information on timing, see the User's Manual.
- The "off time" setting of the display backlight now responds to user input.
- A control channel is now available to keep the lamp at "stand-by" wattage, even when the dimmer and strobe are open.

Control Channel Values: DMX 176 - 181 or 69-71% = Lamp Standby

DMX 199 - 204 or 78-80% = Lamp Full.

Use a numeric keypad to enter control channel values. Encoders or faders do not provide an instant value change, which is required by this function. Hold the value for 3 s then send a DMX of 0 for the change to take effect.

There is a "Control Lock" option in the "Config Menu" to lock out the control channel access to this feature. On power up, the luminaire goes to the last setting you entered.

- With previous releases, the rotating gobo wheel's aperture was partially in the open beam at 0 DMX. This no longer occurs. For customers who have resolved this problem mechanically, this release also includes an offset mode, which can only be enabled from the luminaire menu system. To enable or disable this correction: Config » GoboAdj » On/Off
- A new "Snap Mode" has been added to the mixing color wheels. When Snap Mode is enabled, the color wheels take the shortest path to reach a given DMX value. The following conditions must be met to achieve this:
 - Snap Mode On (set by menu or control channel)
 - Console time of 0 s and luminaire time of DMX 255, or
 - Console time of 0 s and luminaire time of DMX 0

If any timing value is entered, then the color wheels move normally through the color fade.

Control Channel Values: DMX 20 - 25 or 8-10% = Snap ON

DMX 30 - 35 or 12-14% = Snap OFF

These settings take effect without delay.

Menu Setting : Config » Color » Snap » Enable / Disable

On power up, the luminaire goes to last setting you entered.

- A control channel is now available that makes the dimmer use a "shortest path" method of moving. This only works with 0 console time.

Control Channel Values: DMX 40 - 45 or 15 - 17% = DimFAST

DMX 50 - 55 or 19 - 21% = DimNORM

These settings take effect without delay. On power up, the luminaire defaults to the normal dimmer setting.

- To prevent VL2500™ luminaires from visibly swinging into position after a recalibration, the dimmer now delays 6 seconds before accepting any dimmer DMX value. This enables the luminaire to be "in position" before the dimmer opens.