

SOFTWARE RELEASE NOTES



Product: Best Boy LED Spot
Manufacturer: PRG
Subject: Software Version v5.14
Bulletin No: BBL-001
Date: 07 January 2025

OVERVIEW

Best Boy LED Spot Software Version v5.14

New software version 5.14 is now available for the Best Boy LED Spot Luminaire. This version is used for both standard and GCFS fixture versions.

Summary of Changes

- + Added Fan Control to local menu and DMX control channel
- + Added LED test to Test menu
- + Fixed Dimmer and Strobe tests
- + Removed Moire check

Known Issues

- + Erroneous Dimmer and Strobe errors during calibration. Errors can be ignored and do not impact fixture function
- + CTO wheel inconsistency between units, to be addressed with future hardware upgrade
- + RDM Com between main control board and LED driver board is temporarily limited to address LED flashing bug
- + Fixture will not snap intensity to 1% from 100%
- + Shutter Strobe issue at low intensity. Strobe at <10% intensity does not work properly

Fan Control Details

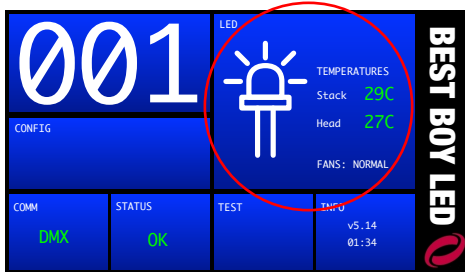
Version 5.14 adds three fan control modes that can either be accessed locally at the fixture or via DMX using the fixture's Control Channel.

- + **Normal:** Default. Fan speed optimized for maximum LED output
- + **Low:** Fan speed reduced and set at constant speed. Reduces LED output by ~10%
- + **Max:** Fan speed set at constant maximum speed.

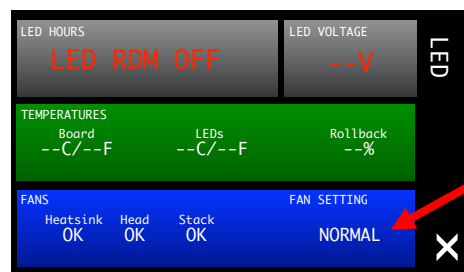
Chan	Function	Description	8-Bit Value	16-Bit Value	DMX Percent
37	CONTROL	Control Channels	Home: 0		0%
		Idle	0		0%
	
		Fan Mode: Low	32		13%
		Fan Mode: Normal*	34		14%
		Fan Mode: Max	36		15%
	

All values must be held for a minimum of 3 seconds, followed by an immediate snap to DMX 0 to take effect. After 15 seconds the command will be ignored

*default setting



Home screen with added fan mode readout



LED Status screen with fan mode setting and LED driver COM disabled

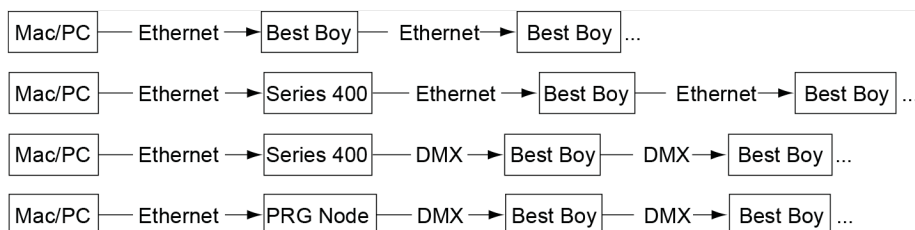
Press here to change fan mode.

Updating Fixture Software Using LumLoader Application

Introduction

The LumLoader application allows you to update the software in a Best Boy LED Luminaire. The update will be sent over an Ethernet connection. The luminaire can take the Ethernet input directly, or the update can be translated to DMX512 signal with an appropriate device, either Series 400® or a PRG Node. The fixtures can be daisy-chained to load multiple fixtures at once.

Supported configurations:



Note: There should be no active control data (DMX or Ethernet) during the update process.

Preparation – Java

The loader (LumLoader) is a Java application which can be run on a Mac or Windows computer.

Note: For Microsoft Windows users: Windows does not come with the required Java run-time library installed, so you may need to go to the Sun website (java.com/getjava/) to download Java.

Selecting an Ethernet Interface

Before starting the LumLoader application, ensure the Ethernet Interface you wish to use is set to an IP address in the 10.66.x.x range with a subnet mask of 255.255.0.0. Connect the computer to the system and start the LumLoader application. When the application starts, it will ask which active Ethernet port should be used. Select the appropriate port (10.66.x.x). Disabling unneeded Ethernet interfaces and Wifi is suggested while performing an update.

Selecting the Module

The loader can support multiple versions of software, so make sure the appropriate version is selected. The default version will typically be fine.

Download the Software

Press “Start Download” to initiate the update. You should see the luminaires immediately drop into the startup screen and erase flash, which takes about 30 seconds. Then the new module is sent out, the screen indicates “Loading,” and when complete the fixture will return to the main menu and recalibrate.

If the fixture already has the same software version you are attempting to load, it will ignore the update.

Troubleshooting

- + If the LumLoader application does not start up, make sure the Java library is installed
- + Make sure the network port is active before opening the application.
- + Make sure there is only one instance of the LumLoader application running.
- + Disable any wireless (Wifi) interfaces

Software Crossload

The information menu provides a method for sending a luminaire's current software version to all connected luminaires. Luminaires can be daisy-chained via DMX or Ethernet.

Note: Ensure any fixtures you do not want to update or fixtures from other manufacturers that are included in the DMX daisy-chain are either powered off or bypassed.

To initiate the software crossload, press “Crossload Software” in the Information screen. At the confirmation screen, press “Yes.” If a connected luminaire already has that software version, it will do nothing. If it does not have the same version, it will go into the boot screen and start updating. There should be no active control (DMX or Ethernet) during the update process.

