

SOFTWARE RELEASE NOTES



Product: Bad Boy® Spot Luminaires

Manufacturer: PRG

Subject: Software Version 2.17

Bulletin No: BAD-018

Date: July 15, 2015

INTRODUCTION

Bad Boy Spot Luminaire Software Version 2.17

Software version 2.17 is now available for all models of the Bad Boy Spot Luminaire.

Important! If using the Followspot Controller, it must be updated to v2.02 or later to work with Bad Boy v2.17. Older Followspot Controller versions will not work with Bad Boy v2.17 or later. Refer to Technical Bulletin **FSC-001**.

Summary of Changes

- + Allows selection of frost mechanism on Followspot Controller (requires FSC v2.02 or later).
- + Added frost enable/disable commands to the control channel (requires FSC v2.02 or later).
- + Added Narrow Throw zoom table option to the control channel. (Note that Narrow Throw may not maintain focus throughout the zoom range and cannot focus on Gobo Wheel 1 at the wide end of the range.)
- + Resets zoom table to default (30' table) when Reset Defaults button is pressed.
- + Adjusted magenta position and travel range to avoid color leakage at ends of travel on Bad Boy HP units.

DETAILS

Control Channels: New Commands

New DMX control channel commands (72, 154, and 156) have been added as shown below.

Note: All values must be held for a minimum of 3 seconds to take effect.

DMX Values (0-255)	Function	Notes
10	Recalibrate: All	
11	Recalibrate: Erred Mechanisms	
12	Recalibrate: Zoom/Edge	
14	Recalibrate: Color	
16	Recalibrate: Gobos	
18	Recalibrate: Dimmer/Strobe/Iris	
19	Recalibrate: Pan/Tilt	
20	Lamp: Douse	
30	Lamp: Start	
40	Lamp Power Limit Select: 1400W	default
45	Lamp Power Limit Select: 1200W	
50	Lamp Power Limit Select: 900W	
55	Lamp: Override Start-Up Power Limit	Overrides default setting: 3 minute warm-up at 1200W or less.
60	Zoom Table Select: 30' Throw	default
62	Zoom Table Select: 50' Throw	Zoom Tables maintain sharp focus on an image throughout the zoom range.
64	Zoom Table Select: 75' Throw	
66	Zoom Table Select: 100' Throw	
68	Zoom Table Select: 300' Throw	
70	Zoom Table Select: 15' Throw	
→ 72	Zoom Table Select: Narrow Throw - NEW	Narrow Throw may not maintain focus throughout the zoom range and cannot focus on Gobo Wheel 1 at the wide end of the range.
75	Zoom Speed Select: Maintain Focus	default
77	Zoom Speed Select: Move Fast	
80	Gobo: Set Zero Position	Allows adjustment of the gobo wheel home position.
90	Display: Turn Backlight ON	
95	Display: Turn Backlight OFF	
100	Pan: Lock	
102	Pan: Unlock	
104	Tilt: Lock	

DMX Values (0-255)	Function	Notes
106	Tilt: Unlock	
108	Pan/Tilt: Free Motion	
110	Pan/Tilt: Free Lock	
112	Pan/Tilt: End Free Motion	
120	Clear Logs	
122	Invert Pan	
124	Don't Invert Pan	
126	Invert Tilt	
128	Don't Invert Tilt	
130	Swap Pan/Tilt	
132	Don't Swap Pan/Tilt	
134	Followspot: Intensity/Iris	
135	Followspot: Intensity/Iris/Edge	
136	Followspot: Intensity/Iris/Edge/Zoom	
137	Followspot: Intensity/Iris/Zoom	
138	End Followspot Mode	
139	Followspot: Intensity	
140	Followspot: Intensity/Edge	
141	Followspot: Intensity/Edge/Zoom	
142	Followspot: Intensity/Zoom	
143	Followspot: Iris	
144	Followspot: Iris/Edge	
145	Followspot: Iris/Zoom	
146	Followspot: Iris/Edge/Zoom	
147	Followspot: Edge	
148	Followspot: Edge/Zoom	
149	Followspot: Zoom	
150	Followspot: Turn intensity scaling ON	
152	Followspot: Turn intensity scaling OFF	
→ 154	FSC: Enable frost control - NEW	default
→ 156	FSC: Enable screen brightness control (disable frost) - NEW	

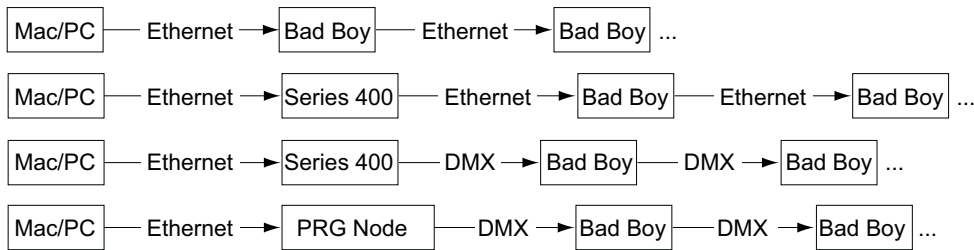
UPDATING SOFTWARE

Software Update Using LumLoader Application

Introduction

The LumLoader application allows you to update the software in a Bad Boy 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 Virtuoso® Node (with the required software update). The fixtures can be daisy-chained to load multiple fixtures at once.

Supported configurations:



Note: There should be no active control (DMX512 or Ethernet) during the update process.

Preparation - Java

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

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. You may be able to differentiate the ports by IP address, compared with your network setup. Typically the en0 is the first built-in Ethernet port, and other interfaces could include additional network ports or wireless adapters.

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 they will go back to the main menu and start calibration.

If the fixture already has the update software version, it will not complete the update.

Note: There is a bug in some versions of the boot software that causes the screen to go white during the update process. Let the download complete before resetting the fixture, it will usually work fine.

Troubleshooting

- + If the LumLoader application does not start up, make sure the Java library is installed.
- + Make sure the network port is active before starting the application. Sometimes it takes several seconds for the operating system to recognize the network link.
- + Make sure there is only one instance of the LumLoader application running.
- + Wireless should be disabled on the computer.

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 DMX512 or Ethernet.)

To initiate the software crossload, press "Crossload SW" at the Information screen. At 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.

Note: There should be no active control (DMX512 or Ethernet) during the update process.

