



CUSTOMER RELEASE NOTES

January 20, 2010

INTRODUCTION:

This document describes how to install and operate the GUI used to control each of the color outputs in the Spectra light engine™, Lumencor's 7-color product.

SOFTWARE CHANGES AND ENHANCEMENTS:

Current Release (Version 1.1)

HARDWARE COMPATIBILITY:

If your PC has an RS-232 connector, then connect a standard RS-232 cable between the 9-pin DB connector on the PC and the 9-pin DB connector on the rear of the Spectra. The RS-232 cable must have a female connector on the PC end and a male connector on the Spectra end. This cable is not supplied with the Spectra.

If your PC does not have an RS-232 connector, then install the optional BT-DB925 USB-to-RS232 kit consisting of a cable and a min-CD that contains the driver. The cable connects between a USB port on the PC and the 9-pin DB connector on the rear of the Spectra. This kit is optional and must be ordered separately.

SUPPORTED FUNCTIONALITY:

The Spectra 7-color GUI supports the following operating systems.

- ▶ Microsoft Windows XP
- ▶ Microsoft Windows Vista
- ▶ Microsoft Windows 7

Before installing the GUI, your PC must have Microsoft's .NET Framework installed. If not, you will be prompted during the GUI installation procedure to first install .NET Framework. Go to the following Microsoft site for the download,
<http://www.microsoft.com/downloads/details.aspx?FamilyId=333325FD-AE52-4E35-B531-508D977D32A6&displaylang=en>.

INSTALLATION AND CONFIGURATION NOTES WHEN CONNECTED TO RS-232 CONNECTOR ON PC:

1. Download the zip file for the 7-color GUI from http://www.lumencor/http://www.lumencor.com/software_control.html#.
2. Unzip the file and run setup.exe to install the Spectra 7-color GUI.
3. Connect the RS-232 cable between the PC and the Spectra.
4. Connect the AC/DC converter to the Spectra.
5. Turn on the DC power in Aura. If you have a version of Aura with knobs, then rotate the knob from “OFF” to “EXT”. If your version of Aura has no knobs, then switch the toggle on the rear panel from “0” to “1”.
6. Run the GUI by going to the Program Menu and selecting LLE Controller 7C.
7. In the GUI, select “COMPUTER” mode.
8. In the COM pulldown menu, select the COM port assigned to serial communications. Generally this is COM1. [If you are unsure which one that is then go to Control Panel, then System, then the Hardware tab. Select Device Manager to see the hardware profile. Expand “PORTS (COM & LPT)” to see which COM port is assigned to the “Communications Port” and select that port in the GUI.] The PC should now have control of each color channel in the Spectra. You will have the ability to turn each color ON or OFF and adjust the intensity of each individually. **THIS STEP IS REQUIRED TO RE-ESTABLISH THE COMMUNICATION LINK WHENEVER THE SPECTRA LIGHT ENGINE IS POWER CYCLED OR WHENEVER THE GUI IS STARTED.**

INSTALLATION AND CONFIGURATION NOTES WHEN CONNECTED TO USB CONNECTOR ON PC:

1. Download the zip file for the 7-color GUI from http://www.lumencor/http://www.lumencor.com/software_control.html#.
 2. Unzip the file and run setup.exe to install the Spectra 7-color GUI.
 3. Connect the USB-to-RS-232 cable between the PC and the Spectra.
 4. Connect the AC/DC converter to the Spectra.
 5. Turn on the DC power in Aura. If you have a version of Aura with knobs, then rotate the knob from “OFF” to “EXT”. If your version of Aura has no knobs, then switch the toggle on the rear panel from “0” to “1”.
 6. Run the GUI by going to the Program Menu and selecting LLE Controller 7C.
- NOTE: If you are running Windows 7 in 64-bit mode, then you will need to download a different driver for the Prolific PL-2303 from the following website, <http://www.greenwireit.com/blog/2009/10/prolific-pl-2303-driver-device-cannot-start-windows-vista-64-bit-and-windows-7/> The driver supplied by BYTECC will only work with Windows 7 when running in 32-bit mode.
7. In the GUI, select “COMPUTER” mode.
 8. In the COM pulldown menu, select the COM port assigned to USB-to-Serial communications. [If you are unsure which one is correct then go to Control Panel, then System, then

the Hardware tab. Select Device Manager to see the hardware profile. Expand “PORTS (COM & LPT)” to see which COM port is assigned to the “USB-to-Serial Comm Port” and select that port in the GUI.] The PC should now have control of each color channel in the Spectra. You will have the ability to turn each color ON or OFF and adjust the intensity of each individually. **THIS STEP IS REQUIRED TO RE-ESTABLISH THE COMMUNICATION LINK WHENEVER THE SPECTRA LIGHT ENGINE IS POWER CYCLED OR WHENEVER THE GUI IS STARTED.**

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