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# Spectacle Light Board

🟢 DEV-14052 ✿

**DESCRIPTION**    **DOCUMENTS**

The Spectacle Light Board allows you to add some fairly complex lighting effects to your Spectacle projects in a streamlined manner. Each has connections for you to add addressable LEDs as well as an external power connector. Designed to make it easy to add relatively complex lighting effects to your Spectacle projects, the Spectacle Light Board integrates with the rest of the Spectacle ecosystem to allow you to control lighting effects with ease and comfort.

The Light Board is equipped with two 3.5mm TRRS jacks for Spectacle control signals from a Director Board. The one labeled "In" should be plugged into a board that is closer to the Director Board than the Light Board is, or into the Director Board itself. Make sure to pay attention to the directionality of the jacks, as they will dictate how your Spectacle modules speak with one another and with the Director Board. As with every other Spectacle module, you will need the Director Board to operate any Spectacle project.

Additionally, the Spectacle Light Board supports up to three strands of addressable LEDs, with each strand supporting up to 60 individual pixels. Simply utilize the 3-pin JST ports on the Light Board as well as a JST to JST-SM wire, and you will be ready to light up any project!

We have written an in-depth User's Guide and Light Board Hookup Guide to help direct you through each step of setting up this and any board in the Spectacle product line. You will be surprised by how easy and quick it is to make yourself into a Spectacle!

*Spectacle is a product ecosystem centered around a simple idea: creative people shouldn't have to learn new skills to use electronics in their projects. You've spent years developing the skills you use, and SparkFun wants to recognize that and help you expand your creations to include electronics without requiring you to spend years learning about electronics and programming.*

**Note:** Not all types of addressable LEDs are compatible with the Spectacle Light Board. If you have questions about whether or not a particular type of LED strip is compatible with the Light Board, contact SparkFun technical support.

SPECTACLE USER'S GUIDE        SPECTACLE PROGRAMMER

GET STARTED WITH THE LIGHT BOARD

## Tags

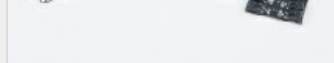3.5MM    ADDRESSABLE    DEVELOPMENT    LED    LED DRIVER    SPECTACLE

# Spectacle Light Board Product Help and Resources

**TUTORIALS**    VIDEOS    SKILLS NEEDED

### Spectacle User's Guide
MAY 4, 2017

The Spectacle system is designed to help those without electronics or programming experience integrate electronics into projects.

### Spectacle Light and Sound Kit Hookup Guide
MAY 4, 2017

All the information you need to use the Spectacle Light and Sound Kit in one place.

### Spectacle Light Kit Hookup Guide
MAY 4, 2017

All the information you need to use the Spectacle Light Kit in one place.

### Spectacle Light Board Hookup Guide
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In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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