

# 6.101 Final Project Abstract

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April 2, 2014

# 1 Team Members

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# 2 Project Description

For our final project we will create a light organ with several novel innovations. The first will be the utilization of photostimulated phosphor as our light source. Not only will this allow for increased simplicity in controlling the light source, but will also allow for a wider range of light patterns and a more versatile method of producing light. The second improvement over your standard light organ will be the utilization of a mic in combination with a 3.5mm jack as audio input so that our device can be made wireless while also retaining the ability of standard light organs to respond to recorded sound. Lastly we plan to have hot-swappable current driving conductive sheets, that will allow users to change the way the lights interact with the music around them quickly and easily. Our final product is envisioned as a portable, battery powered panel that will ripple or respond to custom designed displays based on the sounds around it.