Flashboard™

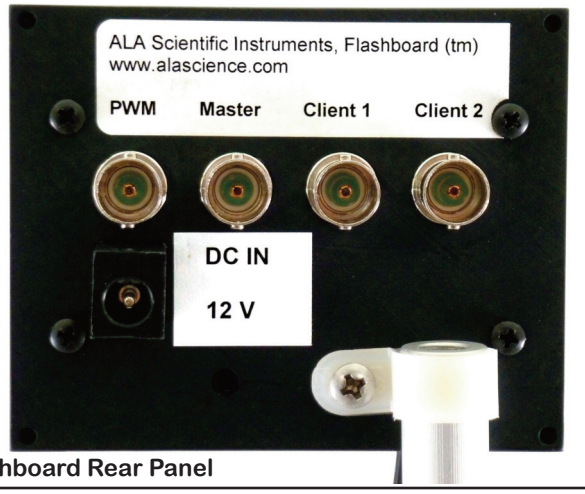
InVivo Optical Stimulator

The Flashboard™ is designed to provide a linear scalable light for optical stimulation of small animals for neuroscience research. The boards are set up within the viewing angle of the animal. They can be activated via TTL signal and driven by Pulse Width Modulation (PWM) or analog voltage at 0-3 Volts. Each light source is a panel of LEDs of the same wavelength. Light passes through a translucent lens to homogenize the light.

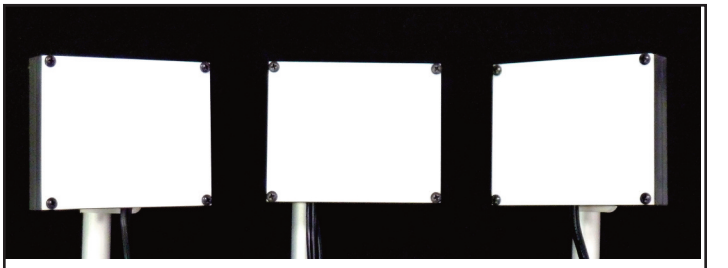
The system is easy to set up. Optional mounting brackets and magnetic stands are available to mount the flashboards. When using the PWM input, signals can be generated by a generator or a sound card. PWM signals provide a linear increment for brightness. Brightness can be measured with a light meter.

Flashboard Master

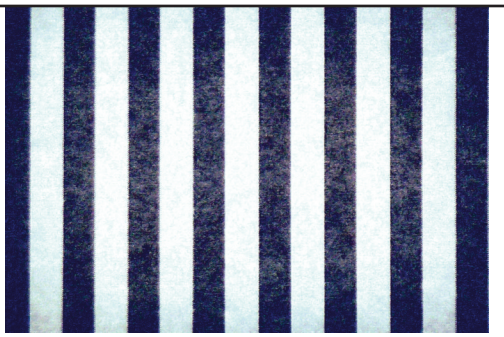
- One Master can control up to 2 Clients
- Analog or TTL control
- White Light wavelength LEDs



Flashboard Rear Panel



Flashboard Client and Master



Master with Light Pattern

Specifications	
Master	82 x 66 x 29mm 210g
Client	82 x 66 x 16mm 90g
Input power	12V DC 1.5A (To the master to run three panels)
Mounting When ALA ½ inch mounting block is not supplied, use 4-40 thread for Client, 6-32 thread for Master	
Ordering	
ALA-Flash-C-01	LED Flashboard Client Without Mounting
ALA-Flash-M-01	LED Flashboard Master Without Moutning