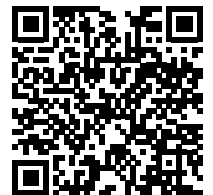




Optogenetics-LED-STSI Stimulate & Silence

The Prizmatix Optogenetics-LED-STSI is a powerful two-color fiber coupled light source that delivers high intensity light for stimulation & silencing to the same neural structure in freely moving animals. Ideal for SFOs or targeting different cell types in one neural micro-circuit with two opsins.

- Two independent LED light out of one SMA output
- Bilateral stimulation with a simple low cost fiber optic rotary joint
- Independent on/off & precise power control of each channel
- Optically isolated Fast TTL and analog inputs for each channel
- USB control (optional)

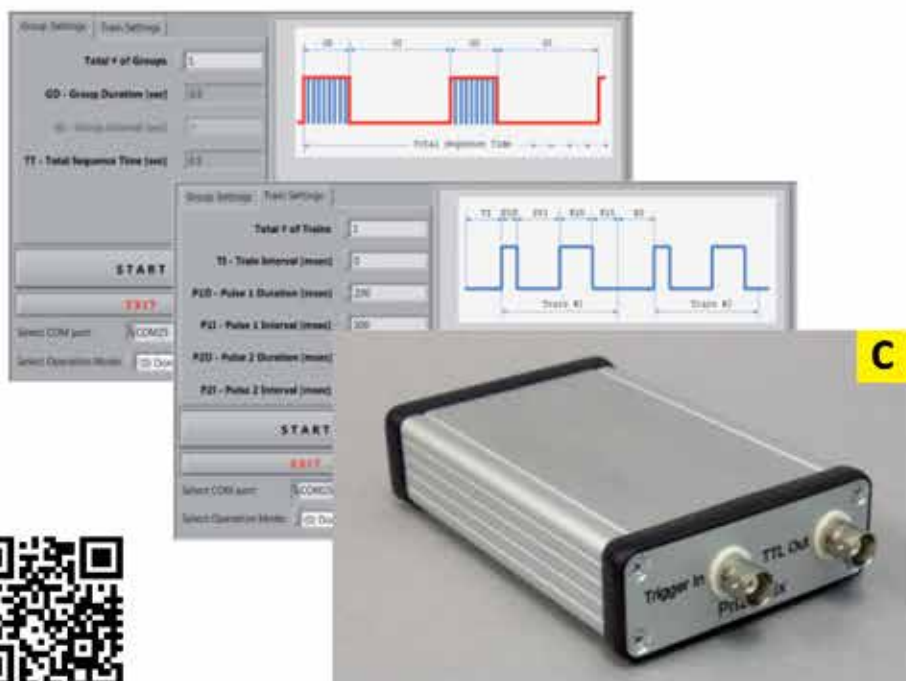
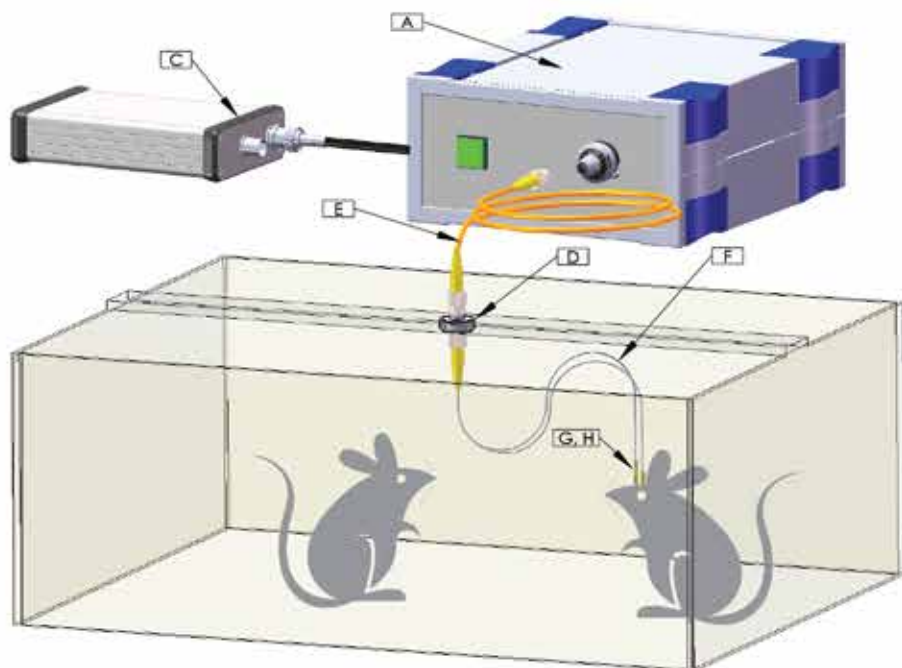


Tel 248-436-8085
sales.usa@prizmatix.com
www.prizmatix.com

Prizmatix

Your source for LEDs and Fiber optics for Optogenetics

Optogenetics Toolbox for In-Vivo Freely Moving Mammals



A	Optogenetics-LED	Blue (ChR1,ChR2), Green (ArchT), Red (eNpHR3.0, red-shifted ChR) ultra bright fiber coupled LEDs for in-vivo optogenetics
B	Dual-Optogenetics-LED	Dual (Blue, Green, Red) ultra bright fiber coupled LEDs with independent channels
C	Pulser	TTL pulse train generator featuring simple PC software for pulse programming
D	Rotary-Joint	Low friction fiber optic Rotary Joint for in-vivo optogenetics with smallest mammals
E	Optogenetics-Fiber-1000	Polymer optical fiber, High NA, 1000um core, SMA to FC connectors
F	Optogenetics-Fiber-500 Optogenetics-Fiber-2x500	Polymer optical fiber, High NA, 500um core, FC to ferrule. Dual (2x500) bundle available for bilateral stimulation
G	Sleeves	Zirconia sleeves for 2.5mm or 1.25mm cannulae
H	Implantable Cannulae	Ferrules diameters: 2.5mm and lightweight 1.25mm for smaller animals as mice