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StimTracker



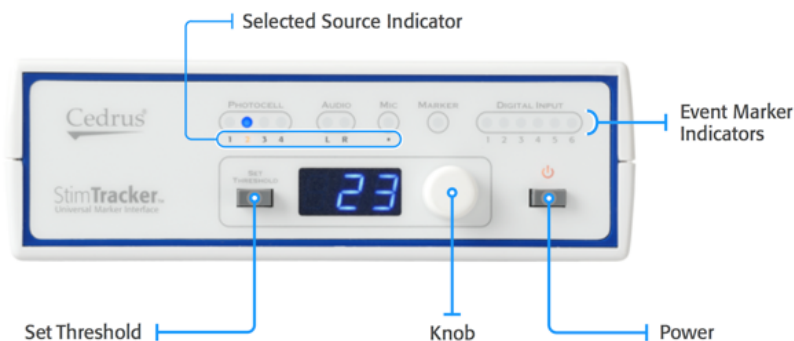
Using StimTracker

Last Revision: September 4, 2009

A Quick Tour

Once installed, using StimTracker is straightforward. There are only two push buttons:

- **Power** to turn the unit on and off.
- **Set Threshold** to set the sensitivity or threshold of the analog inputs.



There are two rows of LED lights:

- In the top row, a blue LED will flash every time an event is detected and an event marker is generated.
- In the bottom, row, one of the amber LEDs lights up when you press **Set Threshold**. See below.

Adjusting Thresholds

Some of the events that StimTracker monitors require that the threshold or sensitivity be set. These are: the four lightsensors, two audio channels, and the voice key microphone.

- To start, press the **Set Threshold** button; an amber LED (1) lights up for lightsensor 1 and the blue numeric display lights up to show you the current setting.
- Turn rotary knob to the right or left to adjust the lightsensor's sensitivity. As you do, the top row blue LED gives you **immediate feedback** as to whether StimTracker is now detecting light.
- Press **Set Threshold** four more times; an amber LED (L) lights up for the left audio channel.
- Turn knob to the right or left to adjust the audio's threshold level.
- Press **Set Threshold** two more times; an amber LED lights up for the microphone.

When the microphone is selected, you can press **Set Threshold** one more time to exit. The blue numeric display turns off.

Note: StimTracker will exit "set threshold" mode automatically after 30 seconds of inactivity.

A Note About the LEDs

In order to assist with making short duration pulses clearly visible, StimTracker will turn on the front panel LEDs for 200 milliseconds even if the pulse duration is shorter. If a stream of pulses is being detected, the LED will light up "real time" for subsequent pulses but will flash no faster than 24 times per second. This is by design and is intended to make it clear that it's a

stream of pulses coming in and not a line that is permanently high.

This only applies to the front panel LEDs and there is no alteration or delay of the signal itself.

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