GB Integrated Pack Light and Sound Controller Board

http://www.hyperdynelabs.com

Please read the instructions in full before starting! They go over everything below in great detail.

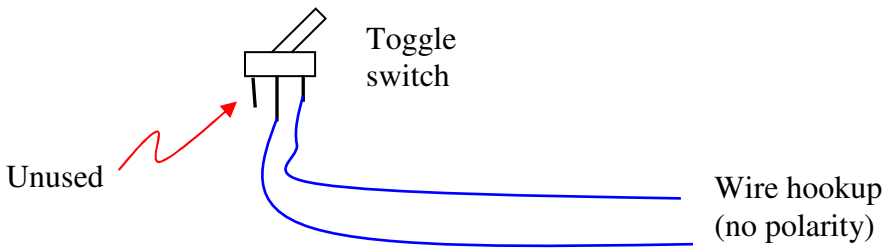
The included 9V battery snap was used for testing before shipment. Some units will also have a small piece of wire shorting out the power wire terminal block. This was also used during manufacturing test and can be removed when the master power switch is added.

To quick test your board, you can connect the bargraph wand LED cable (the 34-pin long cable) and populate it with the rectangular LEDs. Then hook up a 9V battery to the snap connector. Then connect up a power switch (or short out the 2 power terminals (labeled "pwr"). The onboard LEDs should blink and the wand bargraph will begin to sequence.

You will need to wire up the master power switch with your own hookup wire. Use at least 24 gauge wire for this. Also you can replace the 9V snap connector with a heavier gauge wire for your battery. You should be using a 12V battery source. We recommend a rechargeable 12V gel cell, 8 D cell batteries in series, or 2 6V lantern batteries. You may be able to use 8AA batts, but they will not last as long as the larger batteries. Observe + and – polarity when wiring up your battery source!

A 9V battery will not last long and should not be used for the main power source (only for quick tests).

Here is how to wire up the master power and vent toggle switches:



TIP: During assembly and install, you can use a 9V battery to power the board and test that the lights are working after you complete each cable. Also don't do any modifications to the wires or lights while power is applied to the board! Always work with power removed.