

You will notice that you received our upgraded gun light board!

The bar graph LEDs are now mounted to a ribbon cable to the driver board.

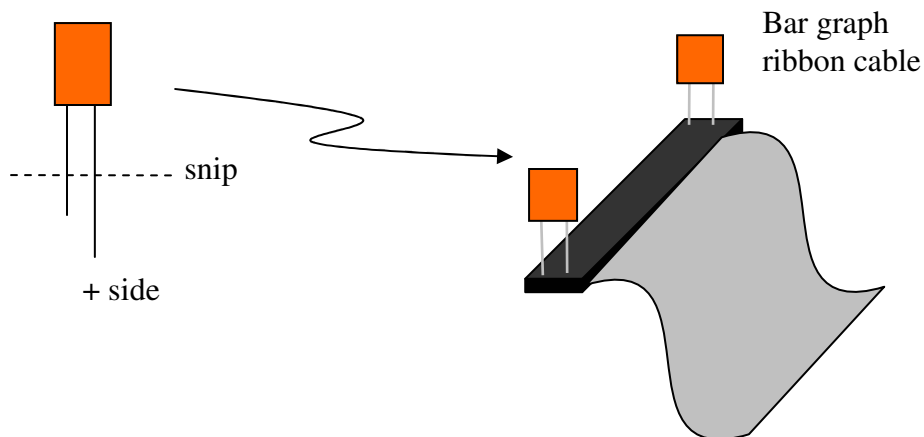
Please refer to the original instructions on how to install and mount the bar graph LEDs. The installation method is the same with the exception of having the new ribbon cable.

This cable will allow you to mount the bar graph LEDs in a confined gun box and also install the driver board in a convenient location.

Shortening LED leads on ribbon cable for easier install

If you like you can cut down the bargraph LEDs to go into the cable. These LEDs are held in by friction and are removable.

The long end of the LED is positive. If you want to shorten the lead length just remove each LED, snip the leads, and reinstall into the socket. This will allow you to customize the bargraph fit into you gun box.



Our new gun light boards also feature new firmware for different gun bargraph and firing effects!

The new firing effects can be selected by holding the gun board trigger wires while turning on the power to the unit. Once you do this, the gun bargraph will blink back and forth rapidly until you let go of the trigger wires. This tells you the new mode is selected for the bargraph and firing mode. The current mode is also remembered, so there is no need to do this step again unless you want to explore the other modes.

There are 4 different modes, each time you power on the unit while shorting the trigger wires, the next mode is selected. Once you reach the 4th mode, the next selection rolls back to the default mode 1 again.

The selectable wand lighting modes are:

Mode:	Normal bargraph sequencing	Bargraph sequencing during firing
1 (default shipped)	Up/ down	Wig wag
2	Up/down	Power meter
3	Random	Wig wag
4	Random	Power meter

Mode 1:

The up/down bargraph sequence is displayed during normal operation. This is the movie accurate mode most are familiar with. When you fire the wand, the bargraph switches to a wig wag sequence. The wand firing LEDs also emulate a stream effect. This continues ad infinitum until you let go of the firing button.

Mode 2:

The up/down bargraph sequence is again selected for normal operation. We have added a novel power-meter bargraph effect during the firing sequence. The power meter starts “fully charged” with all the wand bargraph LEDs lit. As you continually fire the wand, the meter will decrease over time. This emulates the wand energy you have left. When the meter decreases to the 3rd lowest bar, it will blink on and off telling you the wand has extinguished all its stored power. Plus the barrel firing LEDs will also start to “sputter”, emulating an intermittent stream and recharge condition. Once you let go of the firing button, the normal up/down sequencing returns. But in the background, the power meter “recharges” over time. So if you fire the wand right away again, you will see that the power meter may have only recharged a couple bars. The power meter will fully recharge after about a minute. We think this feature adds more realism to your pack operation!

Mode 3 and 4:

The normal bargraph sequencing is a random effect. Here any of the bargraph lights go off and on at a rate of twice per sec. The firing modes mirror the aforementioned operation above.