



FAR Laboratories www.DynaPod.com
P.O. Box 25
South Hadley, MA 01075
800-336-9054, Fax 413-467-9393
Western Massachusetts 413-467-9262

The Light Bar, USB cable & 7805 Kit

Thank you for purchasing a Light bar and USB cable.

Parts list:

- USB Cable
- Light Bar
- 7805 Regulator Kit
- This instruction sheet

The light Bars uses LED's for illumination. LED's use very little power, however you will need to plug them in as they do not have a built in power source.

Ways to power your Light Bar:

1. Plug it into the USB port of your computer or notebook.
2. Buy the USB adapter cable and attach it to a 5 to 6 volt battery pack. See Fig. 2 & 3
3. Buy the USP adapter cable and a 7805 voltage regulator and attach it to a 12 volt battery. Fig. 4
4. Cut off the USB connector and attach it to a suitable power source directly.

Making a battery pack:

Radio Shack or other electronic parts stores have battery holders. You need one that will hold four batteries. AA's will power 1 or 2 bars for many hours. C's or D's will power one stick for a week or longer. Life depends on what mode the bar is in and how big your batteries are. To splice, connect the red wire from the battery pack to the red wire on one or more of the USB adapters and the black wire to the black wire(s). Wrap some insulating tape around the bare wire ends. Place batteries in the battery packs, plug the light bar connectors in, turn it on, and you will have light.

Wiring Color Codes:

USB Adapter

Black Shiny	Ground
Black Dull	No connection
Red	+5 VDC
Green	No Connection
White	No Connection

Radio Shack Battery Pack

Black	Ground
Red	+ Plus

Light Stick

Red	+ Plus
White	Ground

7805 Voltage regulator

In	8 to 24 volts DC input from power source
Ground	Ground
Out	+ Plus 5 out

Maintenance

- Replace batteries, when they are used up, and remove them if you are storing the unit for extend periods of time

Caution- Always use eye protection when using tools.



Figure 1 Light Bar, Plugs in to a USB port



Figure 2 USB Jack Cable, Showing Red and Black wire separated from the others.



Figure 3 Red Wire to Red Wire, and Black Wire to Black Wire

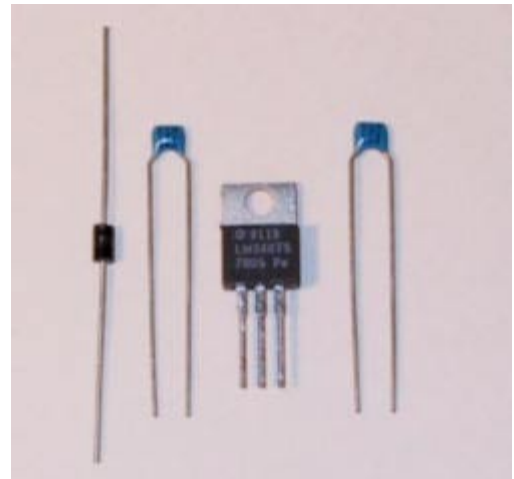


Figure 4 The 7805 Regulator Kit

How to Wire the Regulator Kit

