

# **LEDpower+** <sup>(TM)</sup>

## AAA Battery Eliminator

### LED Candle & Lantern Power Supply (2, 3 & 4 AAA Battery Configurations)

## **Instruction Guide**

Designed and Manufactured by



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**LEDpower+** is a modular system to allow multiple LED devices including candles and lanterns which use AAA (Triple A) batteries to use AC power to permit extended use and saving money by eliminating the purchase of batteries.

Kits are available for replacement of 2, 3 and 4 AAA batteries. AA battery replacement kits available.

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# **LEDpower+**

## AAA Battery Eliminator System

For LED Lanterns, Candles & Other Devices.

### **Power Injector**

The Power Injector is the size of an AAA battery with approximately a 18-24" cable to a barrel connector. It is labeled as are the plus and minus ends. The white stripe on one of the wires also indicates the positive side. One power injector is used per device.

**PLEASE NOTE:** The power injectors are custom and hand made. This is a low volume item. The appearance has no relevance to their operational ability. They are well made electrically. They also only handle 3 or 4.5 or 6 volts DC with less than one amp of power. Appearances of individual kit items may vary. This guide is also used for basic kits.

### **LEDpower+ Kits**

This kit is for devices with a total of 2, 3 or 4 AAA batteries. This kit includes a 3, 4.5 or 6 Volt DC power supply. This kit will include 1 to 3 dummy batteries for each device. Kits can be ordered for 1, 2, and 4 devices. You can also purchase items separately to expand the basic kit to whatever size you care to. Kits for 2 AAA batteries will include one dummy cell.

LED lights and candles are designed to handle a fairly wide range of voltages. The other measurement of electricity is amperage, which is basically the level being pushed through. The 1 amp (1,000 miliamp) power supplies will generally power 10 or more devices. Standard CCTV power cables (5.5x2.1mm barrel connectors) and splitters can be used to expand the system.

The dummy batteries are commercially manufactured.

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### **Installation**

Place your LED device on a flat clean working surface. Find the battery compartment, usually on the bottom of the device. There is a plastic clip you can apply pressure to which will release the plastic battery door. Some devices have a small screw securing the battery door and that will have to be removed first with a small screw driver.

Next remove the 2, 3 or 4 batteries from the device. Place them aside if they still work or properly dispose of them. Many hardware and office supply stores have drop boxes for dead batteries. Recycling batteries is much better than putting them in the trash where they will end up in a landfill, or worse, an incinerator.

In a 2, 3 or 4 battery device you can place the power injector on either side. Do not install it in the middle position of a 3-4 battery device. Pick the side that will best conceal the wire when the device is placed in its desired position. Insert the power injector as you would a battery, following the Plus and Minus signs in relation to the markings inside the battery compartment. Install with the wire pointing toward the edge of the battery cover.

Insert the dummy batteries into the other openings of the battery compartment following the Plus and Minus signs so that they have the proper connections to insure reliable service. Try different positions if there are problems.

The battery cover should fit over the wires. In the alternative, you can file a small notch into the side of the battery cover to allow proper passage of the wires. Using the enclosed metal file is covered in a following section.

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### **Accessory Items and Use**

Enclosed in every basic kit is a small metal file. You can use this file to create a small opening in the edge of the battery cover to enable the wires to exit the device. You will also find the little file handy for other small tasks. Exact style of the files will vary.

We recommend you use gloves and eye protection while using the file. If you have a vise, use it to hold the battery cover but do not over-tighten or you will break the cover.

Also included is a small roll of double-sided adhesive tape and other items. Use scissors to cut this into usable pieces. You can use the tape to attach the wire to the side of a LED lantern that is being hung, or to attach the wire behind furniture or other items to keep it out of view.

### **WARNING:**

Do not use the power injector with actual batteries in the device. This voids the warranty. This configuration may or may not work. It may or may not charge the batteries, or it may damage or destroy the batteries. It may burn out the LED device or destroy the power supply. Blue Planet is not responsible for any damage or injury that may occur.

### **Warranty**

The power injector is made in Key West, FL. Other items are sourced from world-wide manufacturers. The kit is covered by a 90 day manufacturers warranty. Kits have been tested for thousands of hours and should give many years of reliable performance. Thank you for your purchase.

More detailed and illustrated instructions, videos and helpful hints can be found online at [bpelc.com](http://bpelc.com).