



## **BigBoost™**

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## Introduction

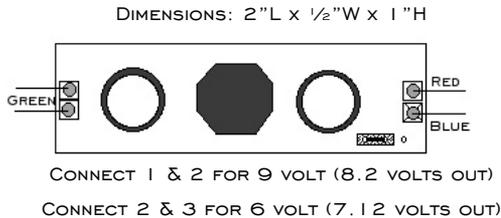
BigBoost™ was originally designed to be used in conjunction with the BigSound™ Model 96 or Model 97 system. Its purpose is to insure that the battery is charging at low track voltages. Geared locomotives - such as the Shay, Climax and Heisler - are generally operated at slow speed/low track voltage and the BigBoost™ was included.

BigBoost™ can also be used independent of the sound system to improve smoke unit and lighting performance. Do not use the same BigBoost™ to power a sound system and perform other functions.

## Installation

### Setting the Voltage:

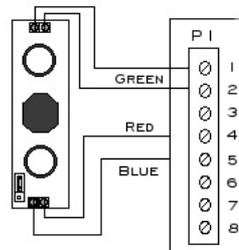
Located near the battery wires (red & blue) on the BigBoost™ is a rectangular block of three pins. A jumper is installed over pins 1 & 2. To set the output for using the BigBoost™ with a 6 cell Ni-Cad (7.2v) battery you will need to reposition the jumper to pins 2 & 3. This is simply a matter of pulling the jumper straight up off of the pins and then lowering it onto the new pins.



### Wiring with Model 96 and 97:

At one end of the BigBoost™ are two green wires. These are the power input wires and they are wired with the power input wires from the power source in terminal block P1, positions 1 & 2. Polarity is not an issue with these wires.

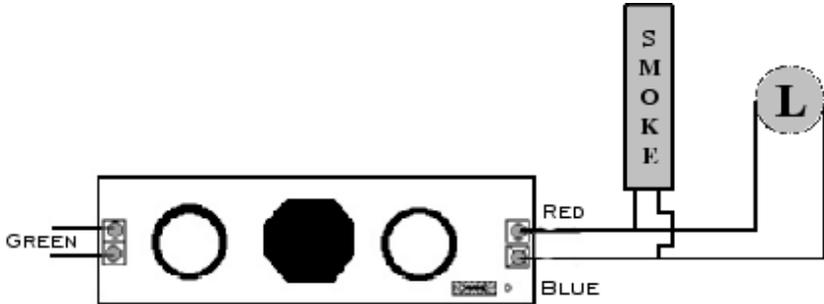
On the opposite end of the board from the input wires are red and blue wires. These wires are connected to positions 4 & 5 on terminal block P1. Red/positive connects to position 4. Blue/negative connects to position 5. Also installed into these positions are the appropriate battery connector leads, either the 6V pigtail or the 9V snap-cap.



## SMOKE UNIT INSTALLATION

Each wire from a 5 volt smoke unit is soldered separately to the red and blue wires of the BigBoost™. The smoke unit does not recognize polarity, so the color coding of the wires is irrelevant. The BigBoost™ power (green) wires are connected to the power input of the train - track or remote power source. Make sure the BigBoost™ jumper is placed on pins 2 & 3.

The 5 volt smoke unit will now activate when the voltage to the BigBoost™ reaches 3.5 volts.



## **WARRANTY**

The BigBoost™ electronic board is conservatively designed and manufactured and each unit is tested prior to shipping. We are dedicated to producing the world's finest sound systems and components that last for years of railroading enjoyment.

The materials and operation of the BigBoost™ electronic board are guaranteed to perform correctly for one year, when properly installed. In the unlikely event that your BigBoost™ unit fails, please call or e-mail us so that we may evaluate the situation and save any unnecessary shipping. We prefer to pre-screen returns because frequently there is a simple explanation for any perceived problem you may be experiencing. Repairs and or replacements covered by this warranty are at no cost. However return shipping may be charged, especially if you return your system in rolling stock. A service fee may be assessed if it is determined that the failure was not due to any Phoenix supplied components.

Phoenix Sound Systems, Inc. cannot be liable for damage to the system during shipping to our facilities due to mishandling, inadequate packaging or similar circumstances beyond our control.

Please read the handbook and any included installation notes prior to installation and operation of your BigBoost™ and BigSound™ systems. Contact us if you have questions or are unsure about any aspect of installation or operation.