

	BI1002	BI1004	BI1502	BI1504
Peak @ 14.4V :				
2ohm	--	--	--	--
4 ohm	2 x 100W	4 x 100W	2 x 150W	4 x 150W
Frequency Resp.	20Hz - 20KHz	20Hz - 20KHz	20Hz - 20KHz	20Hz - 20KHz
S/N Ratio (A-weight)	>90dB	>90dB	>90dB	>90dB
THD with 80k filter	<.05%	<.05%	<.05%	<.05%
Low Input Level	285mV - 6V	285mV - 6V	285mV - 6V	285mV - 6V
Crossover Freq.	40Hz - 150Hz	40Hz - 150Hz	40Hz - 150Hz	40Hz - 150Hz
Bass EQ	6dB - 12dB @ 45Hz			
Bass Remote Capability	No	No	No	No
Input Voltage	11.2V - 14.4V	11.2V - 14.4V	11.2V - 14.4V	11.2V - 14.4V

	BI850
Peak @ 14.4V :	
2ohm	1 x 850W
4 ohm	1 x 425W
Frequency Resp.	20Hz - 150Hz
S/N Ratio (A-weight)	>90dB
THD with 80k filter	<.05%
Low Input Level	285mV - 6V
Crossover Freq.	40Hz - 150Hz
Bass EQ	6dB - 12dB @ 45Hz
Bass Remote Capability	Yes (Remote Included)
Input Voltage	11.2V - 14.4V

### **Low Impedance Stability**

*BI1002 - 4 Ohms Stereo (2 Channel)*

*BI1004 - 4 Ohms Stereo (4 Channel)*

*BI1502 - 4 Ohms Stereo (2 Channel)*

*BI1504 - 4 Ohms Stereo (4 Channel)*

*BI850 - 2 Ohms Mono*



## **BI1002 • BI1004 • BI1502 • BI1504 BI850 AMPLIFIERS**

### **LIMITED WARRANTY**

Bass Inferno warrants any products purchased in the U.S.A. from an authorized Bass Inferno dealer. All products are warranted to be free from defects in material and workmanship under normal use and service for a period of one (1) year. This warranty applies to the original purchase only.

Bass Inferno will either repair or replace (as its option) any unit that has been found to be defective and under warranty provided the defect occurs within the one (1) year warranty period.

This limited warranty does not extend to units have been subjected to misuse, abuse, neglect, or accident. In Bass Inferno's judgment, products that show evidence of having been altered, modified, or serviced without Bass Inferno's authorization, will be ineligible under this warranty.

To obtain warranty service please contact your retailer or visit our website at [www.bassinferno.com](http://www.bassinferno.com) for more details.



**DB Research L.L.P.**

302 Hanmore Industrial Parkway // Harlingen, TX 78550  
ph: 877.787.0101 // fx: 956.421.4513 // [www.bassinferno.com](http://www.bassinferno.com)

### **Instruction Manual**

• Installation Instructions / Owners Manual •

Due to continuous improvement of the product the Specifications are subject to change without notice.

# INTRODUCTION

Congratulations on your purchase of a Bass Inferno state-of-the-art power amplifier. Your selection of a Bass Inferno car audio product indicates a true appreciation of fine musical reproduction. Whether adding to an existing system or including your Bass Inferno amplifier in a new system, you are certain to notice immediate performance benefits.

## KEEP YOUR SALES RECEIPT

Take this time to attach your sales receipt to the manual and put in a safe place. In case of any unforeseen reason this product may need warranty service, your receipt will be necessary to establish purchase date.

## RECOMMENDATION

A power amplifier's performance is only as good as its installation. Proper installation will maximize the system's overall performance. It is recommended that you have our product installed by an authorized Bass Inferno retailer. However, if you decide to install it yourself, please carefully read through this manual and take your time to do a quality installation.

**IMPORTANT!** Before making any connections, disconnect the car's battery until the installation is completed to avoid possible damage to the electrical system.

### Fuse amplifiers power wire at the battery

Be sure to fuse the power wire within 12" of the car's battery. This will protect the car's battery in case of a short circuit between the power amplifier and battery. **THIS IS A MUST**, the amplifier's built-in fuse will only protect the power amplifier not the car's battery!

### Use high grade wire connectors

To ensure maximum power transfer and secure safe connections, it is recommended to use high grade barrier spades (for connection at amplifier) and terminal rings (for connection at battery).

### Do not run any wires underneath vehicle

Exposed wires have a chance of being cut or damaged. It is best to run all wires through the vehicle under the carpet and/or side panels. This lends to a cleaner installation and less risk of damage.

### Use caution when mounting amplifier

Remember there are many electrical wires, gas lines, vacuum lines, brake lines as well as a gas tank in the automobile. Make sure you now where they are when mounting the amplifier to avoid puncturing lines, shorting wires or drilling holes in the gas tank.

### Run signal wires away from electrical wires

To avoid possibility of induced noise from the car's electrical system (i.e. popping noises or engine noise), run wires away from the car's electrical wiring.

### Make all ground wires as short as possible and at the same point

In order to reduce the chance of ground loops (i.e. engine noise), make the grounding wire as short as possible to reduce the wire's resistance. Also, when using multiple components, make sure all units are grounded at the same point.

### Avoid sharp edges when running the wires

To avoid the possibility of power, signal or speaker shorts, be careful not to allow the amplifiers wires to come in contact with sharp edges. Use a grommet to protect the wire when running through the fire wall.

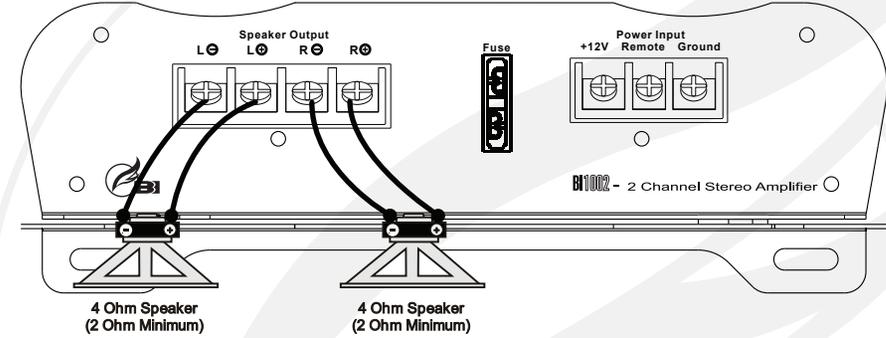
# SPEAKER CONNECTIONS

**IMPORTANT!** The following speaker connection are for the amplifier in normal mono configuration.

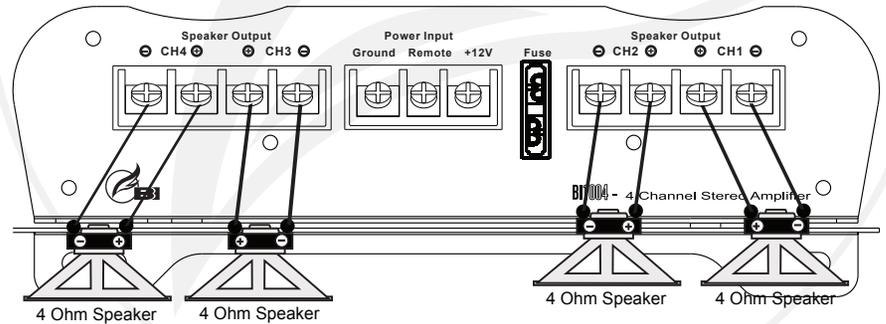
Make the speaker connections using speaker wire that is at least 16 gauge or heavier. As with any audio component, proper phasing of the amplifier and speakers is essential for strong bass response. When connecting, make sure that positive (+) from the amplifier is connected to the positive (+) of the speaker, and the same for negative (-).

Please note that although the BI850 is a mono amplifier, we have provided two sets of speaker terminals on the amplifier. These terminals are connected in paralleled internally (connected together). The second set of speaker terminals are intended for ease of connection when running multiple woofers.

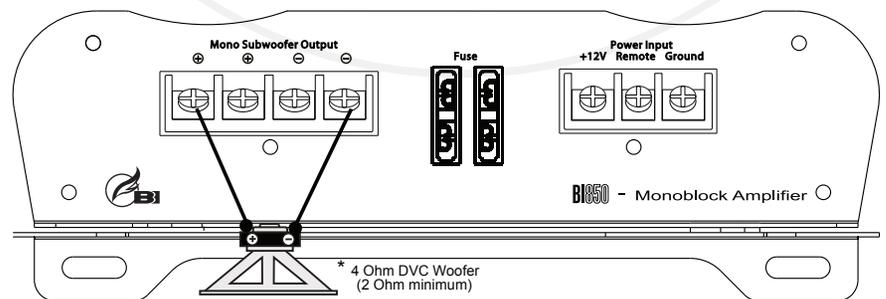
## 2 CHANNEL SPEAKER CONNECTION



## 4 CHANNEL SPEAKER CONNECTION



## MONOBLOCK SUBWOOFER CONNECTION



\* Can also power a pair of 4 Ohm or 2 Ohm DVC Subwoofers.

Serial # \_\_\_\_\_ Model # \_\_\_\_\_

