

### **CONGRATULATIONS**

Congratulations for purchasing the Directed LED lightbar. To ensure proper use please carefully read this installation manual prior to installation.

Directed Electronics has been the industry leader in high-quality automotive security and audio equipment since 1990. Directed continues to set new standards of performance, reliability, and affordability in the mobile electronics industry.

This accessory is covered by a one-year limited warranty. Be sure to retain your original sales receipt, and refer to the warranty section of this guide for full details about your coverage.

### **LIMITED ONE-YEAR CONSUMER WARRANTY**

This Directed Audio product is covered by a one-year limited warranty. Directed Electronics, Inc. promises to the original purchaser, to replace this product should it prove to be defective in workmanship or material under normal use, for a period of one year from the date of purchase from the dealer as indicated by the date code marking of the product PROVIDED the product was installed by an authorized Directed dealer. During this one-year period, there will be no charge for this replacement PROVIDED the unit is returned to DEI, shipping pre-paid. If the unit is installed by anyone other than an authorized Directed dealer, the warranty period will be one year from the date of purchase by the dealer as indicated by the date code marking of the product. This warranty is non-transferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the unit caused by installation or removal of the unit. During this one-year period, there will be no charge for this replacement PROVIDED the unit is returned to DEI, shipping pre-paid. This warranty is void if the product has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. Units which are found to be damaged by abuse resulting in thermally damaged voice coils are not covered by this warranty but may be replaced at the absolute/sole discretion of DEI. ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY

OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DEI NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DEI HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. Unit must be returned to DEI, postage pre-paid, with bill of sale or other dated proof of purchase bearing the following information: consumer's name, telephone number, and address, authorized dealer's name and address, and product description. Note: This warranty does not cover labor costs for the removal and reinstallation of the unit. IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR UNIT MUST BE SHIPPED WITH PROOF OF INSTALLATION BY AN AUTHORIZED DEI DEALER. ALL UNITS RECEIVED BY DEI FOR WARRANTY REPAIR WITHOUT PROOF OF DEI DEALER INSTALLATION WILL BE COVERED BY THE LIMITED 1 YEAR PARTS AND LABOR WARRANTY. Note: This warranty does not cover labor costs for the removal and reinstallation of the unit. BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND Directed SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA.

### **WARNING**



To prevent fire or shock hazard, do not expose the LED lightbar to rain or moisture. Do not attempt to disassemble the LED lightbar or damage will occur.

### **FUNCTION**

The LED lightbar is designed to create accent lighting for automotive interiors. Applications include amplifiers, speaker boxes, footwells, doors, and much more.

### **MODEL CROSS REFERENCE CHART**

Model	LED Lightbar	Model	LED Lightbar	Model	LED Lightbar
A502	DIRW9BL	A1004	DIRW15BL	D1200	DIRW9BL
A802	DIRW9BL	D600	DIRW9BL	D2400	DIRW15BL
A404	DIRW9BL	D800	DIRW9BL	D2205	DIRW15BL

## **LED LIGHTBAR INSTALLATION**

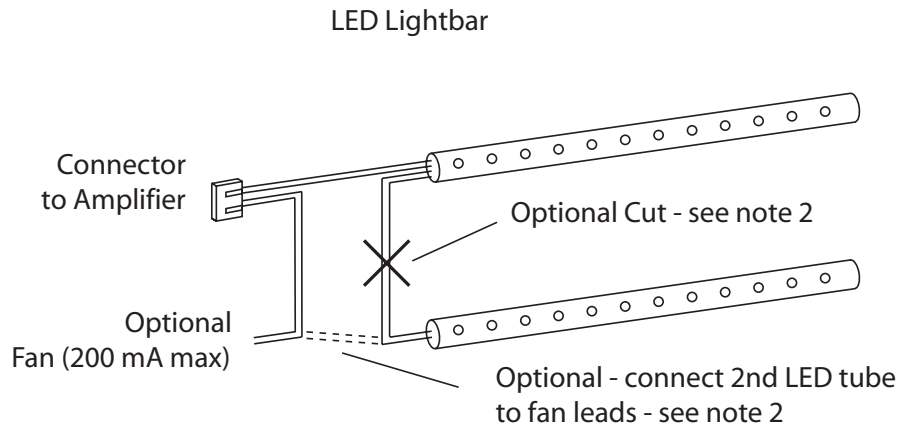
2005 model Directed Audio Amplifiers have been designed with a custom heat sink that accommodates two (optional - not supplied) LED lightbars. Use the following procedure for installation in Directed Audio Amplifiers.

1. Remove the LED tubes, find the connection points to the LED tubes and the plug which connects to the amplifier.
2. Slide each LED tube assembly into your Directed Audio Amplifier heat sink. Ensure the wire harness is on the same end of the amplifier where the plug connects to the amplifier (signal input end). Orient the LED tube assembly so that the LEDs are facing out for optimum lighting effect.
3. Connect the 4-in plug to the LED/FAN input port of the Directed Audio Amplifier.

**NOTE 1:** The other RED and BLACK wire can be connected to an optional fan. The fan must not draw more than 200mA. If the optional fan is not being used, the ends of these wires must be insulated to prevent shorting and subsequent damage to the amplifier.

**NOTE 2:** The other RED and BLACK wire can also be used to drive the second tube to increase the lighting intensity. Simply cut the existing harness to separate one of the two tubes from the pre-wired plug, and splice it to the RED and BLACK fan wires.

## **WIRING DIAGRAM**



## **SPECIFICATIONS**

Material: Polycarbonate/Acrylic

Finish: Translucent/Clear

LEDs: Gallium Arsenide/Gallium Nitride

Voltage: 12 VDC

Lifetime: 100,000 hours

Quantity 2 Lightbars

Current Draw: Model DIRW9BL 125 mA

Model DIRW15BL 250 mA

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