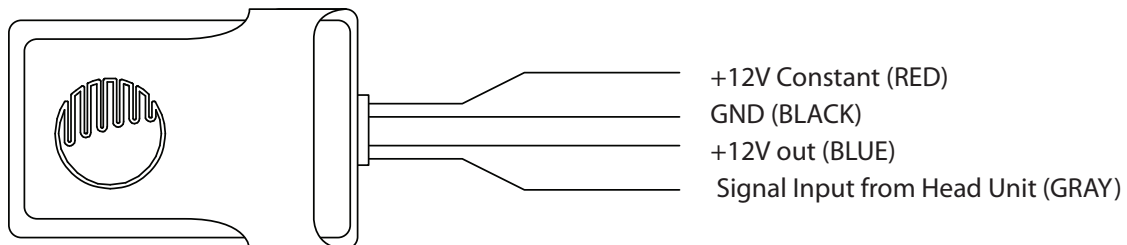


### Connections and Installation Tips

1. Connect the RED wire to a constant (+) 12 volt source. This can be the memory wire for the head unit (check to see if the radio is code-protected before cutting or unplugging the memory wire) or the (+) 12 volt battery terminal of the amplifier.
2. Connect the BLACK wire to ground. The radio chassis or amplifier ground terminal are generally good locations for this connection.
3. The BLUE wire should be connected to the amplifiers or signal processors that are being controlled by the Remote Power Adapter. It supplies a (+) 12 volt output rated at 1 amp, with a one to three second delay when triggered by signal on the GRAY wire.
4. The GRAY wire may be connected to any wire from the head unit that measures above (+) 5 volts when the unit is on and below (+) 3 volts when the unit is shut off. This includes power antennas, amplifier remote outputs (typically (+) 12 volts but may be as low as (+) 5 volts in some OEM systems), or speaker outputs. A high-powered deck will normally supply between (+) 6-7 volts DC at the speaker output; this is sufficient to trigger the Remote Power Adapter. Use this method for applications where the head unit lacks any dedicated switched outputs or it is easier to access a speaker terminal.
5. The GREEN LED built into the ORRPA lights after the delay period, indicating that the remote output is triggered.
6. The trigger delay is controlled by input voltage on the GRAY wire. A low voltage input will increase the delay to a maximum of three seconds, at (+) 12 volts the delay drops to about one second.
 

*Note: If the adapter is being triggered by a speaker output, it will stay on (along with the devices it controls) for a short period after the head unit is switched off. This is due to the stored energy of a typical chip output and cannot be avoided. To prevent turn-off transient noise we recommend that the adapter be triggered by a dedicated remote output of the head unit whenever possible.*
7. By combining two or more adapters, sequential turn-on of several devices can be achieved. This will permit a signal processor to power up after the head unit followed by the amplifier(s) thereby preventing turn-on transients in the signal chain from reaching the speakers.
8. The Remote Power Adapter will drive up to 1 amp of load at (+) 12 volts. If multiple devices to be switched exceed the 1 amp limit use a second adapter. For single-device loads that exceed 1 amp a small relay (DEI part # 8616) can be used. The Remote Power Adapter is a better way to switch audio components since it eliminates the large inductive voltage peaks that a relay generates.



## LIMITED 90-DAY ACCESSORY/1-YEAR CAPACITOR WARRANTY

This product is sold with a LIMITED 90-day accessory/1-year capacitor manufacturer's warranty. Directed Electronics ("Directed") promises to the original purchaser that the product ("Product") will be free from defects in materials and workmanship under normal use and condition for a period of ninety (90) days for accessories/ one (1) year for capacitors after the date of purchase. A sales receipt and/or warranty registration card is required to provide proof of date of purchase of the Product.

Product defect occurring within the first 90 days for accessories or 1-year for capacitors after retail purchase by the end consumer will be repaired or replaced with new or reconditioned part(s), at Directed's sole election. To obtain warranty service, the Product must be returned, postage pre-paid addressed to Directed, along with a legible copy of the receipt and the following information: Consumer's name, telephone number and address, authorized dealer/purchase location name and address and product description. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF PURCHASE WILL BE DENIED. Note: This warranty does not cover labor costs for the removal or reinstallation of the Product. Product must be returned to the following address: ATTN: WARRANTY DEPARTMENT, Directed Electronics, 1 Viper Way, Vista, CA 92081.

This warranty is non-transferable and does not apply to any Product that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the Product caused by installation or removal of the Product. This warranty is VOID if the Product has not been purchased from Directed or an authorized Directed dealer, or if the Product has been damaged by accident, unreasonable use, negligence, acts of God, neglect, improper service or other causes not arising out of defect in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or any installation problems related to speakers, accessories, electrical systems, cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, windstorms, lightning or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, or Product which has been opened or tampered with for any reason or which has been damaged due to alteration or service performed by anyone other than Directed. This warranty is only valid for sale of Product within the United States of America. Product sold outside of the United States of America is sold "AS IS," and shall have NO WARRANTY, express or implied.

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