

QX150.4 Four Channel Amplifier

SPECIFICATIONS

Continuous Output Power at 1% THD (watts):

QX150.4

Into 4 ohms Stereo @ 12.5 Vdc (IASCA/USAC) .....	.25 x 4
Into 4 ohms Stereo @ 14.4 Vdc .....	.50 x 4
Into 2 ohms Stereo @ 14.4 Vdc .....	.75 x 4
Into 4 ohms Bridged @ 14.4 Vdc .....	.150 x 2
Recommended Fuse Size .....	.25A x 2 ATO style
Dimensions .....	.11.875L x 9.5W x 2.0H

Common Specifications

Frequency Response	±1dB, 20Hz to 20kHz
Signal to Noise Ratio (A-weighted)	>100dB
Input Sensitivity .....	.200 millivolts to 4 volts
Crossover Frequency .....	.30Hz to 600Hz
Crossover Slope .....	.12dB per Octave
DC Input Voltage Range .....	.10 volts to 15.5 volts
Typical Current Draw at Idle	<2 amps
Minimum Bridged Load .....	.4 ohms
Minimum Stereo Load .....	.2 ohms

Due to ongoing research and development, features, specifications and availability are subject to change without notice.

LIMITED WARRANTY

Phoenix Gold International, Inc. (or "Phoenix Gold") warrants its products against defects in materials and workmanship for a limited period of time.

For a period of one (1) year from date of original purchase, we will repair or replace the electronic product, at our option, without charge for parts and labor. Customer must pay all parts, labor and shipping charges after the limited warranty period expires. The limited warranty period for factory refurbished products expires after ninety (90) days from date of original purchase. This limited warranty applies only to purchases from authorized Phoenix Gold Electronics/Speaker retailers.

This limited warranty is extended only to the original purchaser and is valid only to consumers in the United States. Consumers are required to provide a copy of the original sales invoice from an authorized Phoenix Gold dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than Phoenix Gold, or damage that is attributable to Acts of God. It does not cover costs of transportation to Phoenix Gold or damage in transit.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty.

Should a product prove to be defective in workmanship or material, the consumer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall Phoenix Gold be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.

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PHOENIX GOLD



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FEATURES

* For complete manuals, technical tips, FAQ's, system diagrams and new product information visit us @

- Aluminum Alloy Heatsink with Fly Cut Fins
- Seperate Front and Rear crossover circuitry
- 12dB per octave High or Low Pass crossover variable from 30 to 600Hz
- Fully Complimentary Output Stage
- Four gauge power and ground terminal
- Advanced thermal and overload protection
- Gold plated power and speaker terminals
- Gold plated front and rear signal input jacks
- Customed milled Phoenix Gold logo
- Isolated rubber mounting feet for secure, noise free installations
- Optimized muting circuitry eliminates turn-on and turn-off noises
- Linkable using the optional Qlink/2 to connect multiple amplifiers together

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Operational Details

STATUS LED

GREEN - Lights if the amplifier turns on.
RED - Lights if the amplifier shuts down due to overheating. If the internal heatsink reaches 90 degrees Celsius, the amplifier shuts down until the internal temperature falls below 90 degrees. It also lights if a direct short is present on the speaker outputs.

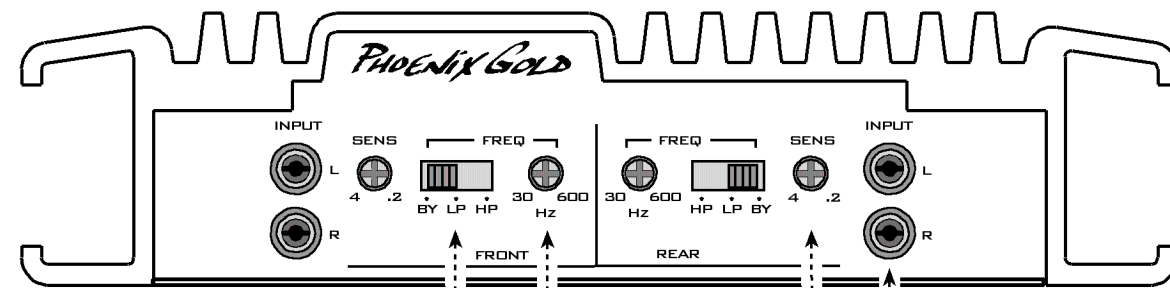
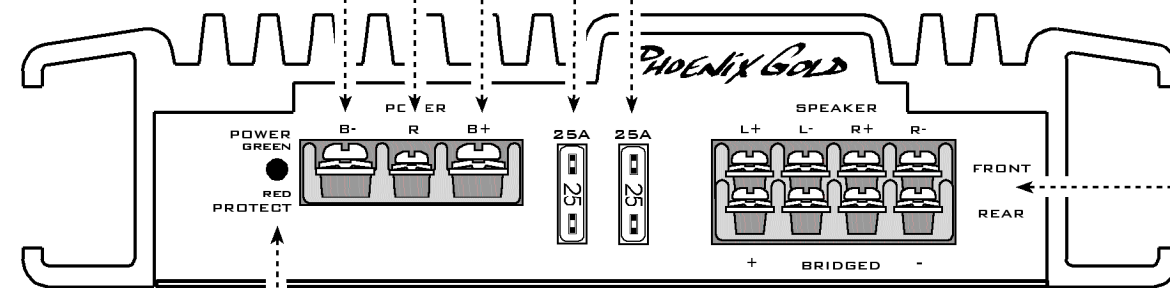
REMOTE TURN-ON TERMINAL Connect to a switched 12 Vdc source such as the headunit's "remote" or power antenna wire.

B- TERMINAL (CHASSIS GROUND) Connect to a clean, solid chassis ground. Remove all paint and dirt from the chassis connection point. Minimum cable size is 8 gauge, for best connection use a JA80 ring terminal. Keep the cable as short as possible.

B+ TERMINAL (BATTERY POSITIVE) Connect directly to the positive battery terminal. Minimum cable size is 8 gauge, for best connection use a JA80 ring terminal. Remember to fuse this cable within 18 inches of the positive battery terminal.

SPEAKER OUTPUTS Used to connect the amplifier to speakers. Use the left + and right - terminals for bridged mode. Minimum speaker cable size is 16 gauge (PG# SS162 or QS162). Use 12 Gauge for bridged operation (SS122, SS212 or QS122). Minimum impedance is 4 ohms bridged or 2 ohm stereo.

FUSES Used to protect the amplifier. If replacement is necessary, use the same size and type. *Never use a fuse with a higher amp rating. The QX150.4 uses two 25 amp ATO style fuses.*



CROSSOVER CONFIG SWITCH This switch controls the type of signal that reaches the speaker outputs. For a High Pass signal set the switch to HP. For a Low Pass signal set the switch to LP. For a Full Range signal set the switch to BY.

CROSSOVER FREQUENCY Controls the crossover point front or rear speaker outputs. The crossover frequency is adjustable from 30Hz to 600Hz with a 12dB per octave high and low pass slope.

INPUTS

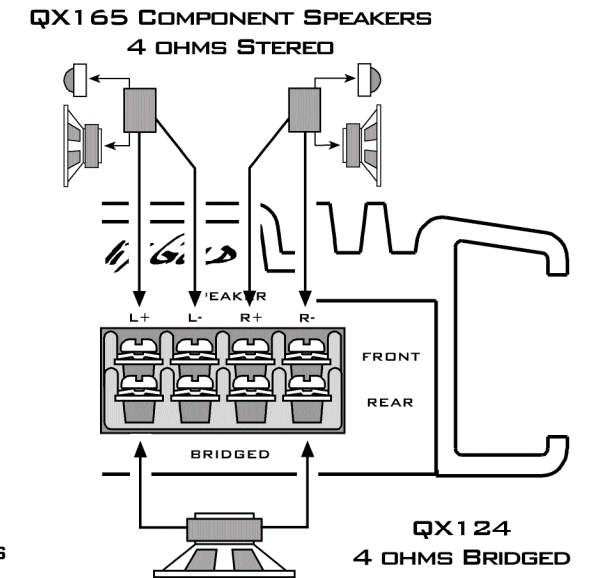
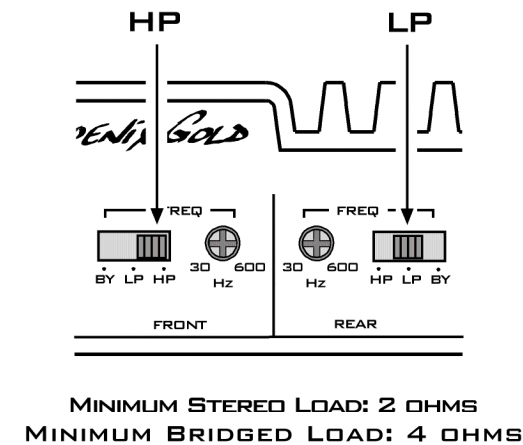
Connect preamp signal cables from the head unit to these terminals. The front and rear channels of the amplifier use separate inputs. To maximize noise rejection, we recommend using Phoenix Gold ARx.800, ARx.700, ARx.600 or ARx.500 series twisted pair interconnects.

INPUT SENSITIVITY Separate front and rear controls are used to reach maximum amplifier power with a wide variety of headunits. The amplifier is more sensitive to input signals when set to .2 and less sensitive when set to 4.



System Examples

FRONT	REAR
HIGHPASS	LOWPASS



FRONT	REAR
HIGHPASS	HIGH PASS

