

Before connecting your amplifier review all recommendation. **Any connection to the amplifier input or output must be performed only when amplifier is OFF.**

The gauge of the power supply wiring is extremely important to reach the desired amplifier output and for the amplifier's safety. Not using the recommended wire gauge will result in power loss and overheating of cables. **It is important that the power supply cables are the shortest possible length, maximum recommended length is 10 feet.** Always use 100% Cooper cables and good quality connectors. This guarantees the sound's quality and fidelity;

In order to avoid interferences, the signal cables (RCA) must be kept away from the original wiring of vehicle and from any other power supply cable.

Amplifier must be installed in a solid and ventilated area. Do not mount amplifier to the back of a subwoofer box; excess vibration may cause damage to the amplifier.

Crossover / Filter

HPF / Subsonic

High Pass Filter Fixed at 90Hz at 12dB/Oct slope, use for speakers, tweeters

It determines **the beginning of the amplifier operating frequency.**

Allows the elimination of low frequency sounds, delivering the right frequency range to avoid damage to the components.

LPF

Low Pass Filter Fixed at 90Hz at 12dB/Oct Slope + 14dB boost at 45Hz, use only for bass signal

It determines **the end of the amplifier operating frequency.**

This ensures that only the lowest frequencies are reproduced by the amplifier.

LED Indicator



ON BLUE LED

-Indicates amplifier is ON, ready to operate.

PROTECTION RED LED

- Indicates when the amplifier is in protection mode. 2 Protection Modes:

•**Shortage Protection:** This indicates there is short-circuit on the audio output. Review all speakers for damage. If amplifier can no longer operate without any speakers connected into it, this means the amplifier has been damaged and must be repaired.

•**Temperature Protection:** This indicates the amplifier is in protection due to high temperature.

The power rated data are based on equipment from the PRV Audio Group Laboratory. Frequency reference of 100Hz to 1kHz with THD+N to $\leq 1\%$ in impedances referring to the indicated in each measurement. The electronic components and the manufacturing process can present manufacturing variations, thus leading to a variation in the measurements made. This amplifier is designed to perform on music applications (with speakers), any load test (resistant load) is not recommended.

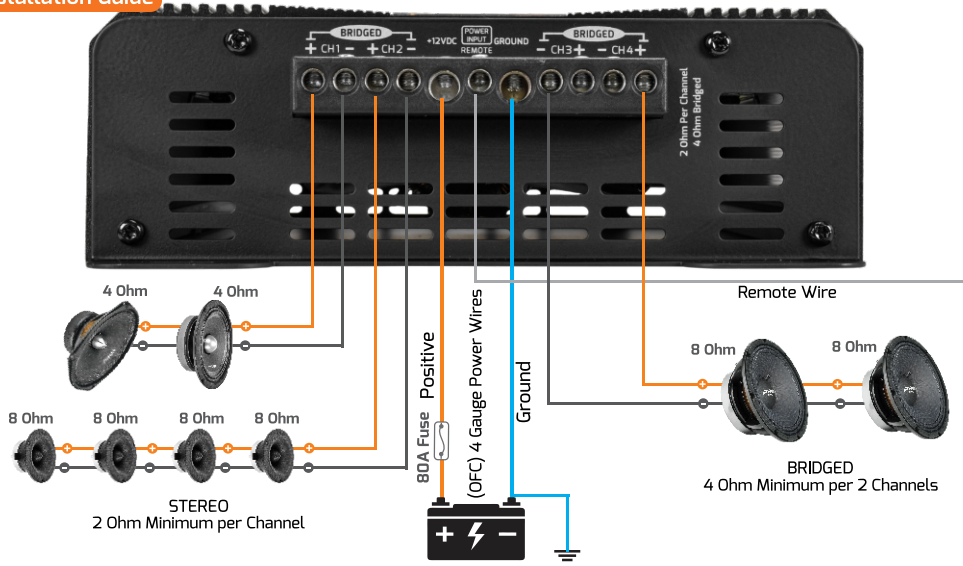


Warning!

Never use speakers with impedance under the nominal impedance of the amplifier. Warranty will be voided if ran below their rated ohm load.

Model	Q5800.4 2Ω	Q51200.4 2Ω
Channels	04	04
Rated RMS Power at 14.0 V at 2 Ohm	4x 220 Watts RMS	4x 310 Watts RMS
Rated RMS Power at 14.0 V at 4 Ohm	4x 140 Watts RMS	4x 160 Watts RMS
Bridged Rated RMS Power at 14.0 V at 4 Ohm	2x 450 Watts RMS	2x 600 Watts RMS
Average Efficiency	82%	84%
Operating Voltage	9 - 15 volts	9 - 15 volts
Musical Current Draw	45A	55A
Minimal Power Wire Input	(0FC) 4 Gauge wires	
Built-in Crossover	Fixed HPF & LPF at 90Hz	
Minimal Speaker Wire Output	14 Gauge	
Frequency Response (-3dB)	20 - 25,000 Hz	20 - 24,000 Hz
Min. Input Sensitivity for Max. Output	200 mV	
Signal Input	2 Pair RCA	
Signal To Noise	>90dB	
Protection System	High Temperature / Short circuit on Output	
Heat Sink Type	Heavy Duty Cast Aluminum	
Dimensions (Width x Depth x Height)	7.90" x 8.00" x 2.65"	7.90" x 8.42" x 2.65"
Weight	3.80 Lbs	4.50 Lbs

Installation Guide



Illustrations are just different examples how to connect this amplifier, you may use any of the configuration above for your system.

Troubleshooting

AMPLIFIER DOES NOT APPEAR TO BE WORKING

- Check first for: blown fuses, poor or incorrect wiring connections, incorrect crossover setting, switch on & off and gain controls, etc. If protection is present in the system, the amplifier protection mode will go on - Follow LED indicator Instructions .

NO SOUND

- Check if RCA cables are properly connected and check if speakers are working.
- Check if LEVEL knob on the amplifier is set to MIN.

POOR BASS RESPONSE

- It is caused by speaker out of phase (reverse polarity). Check if speaker wires (+) & (-) are

GROUND NOISE

- It is caused by poor grounding of either the PRV amplifiers, other amplifiers in the system, head unit, battery, alternator, or other components in the system.
- PRV amplifiers are engineered to be fully compatible with all manufacturers' head units. Some head units may require additional grounding to prevent noise from entering the audio signal, If this occurs then we recommend to repair or replace the head unit.
- In order to avoid additional ground noise: **DO NOT** loop the ground wires and avoid using several ground wires from different points. Remove paint/rust from chassis, secure tight ground

Warranty

PRV Audio products are guaranteed for a period of ONE (1) YEAR from the date of original purchase against any manufacturer's defects in material and workmanship under normal use. This warranty protects only the original purchaser of PRV Audio products purchased from an Authorized PRV

Visit our website for technical assistance or to open a warranty claim

www.prvaudio.com/return-center

This warranty does not extend to damage resulting from, but not limited to:

Improper installation, product modification, misuse and neglect, abuse (items returned repeatedly for the same damage may be considered abuse), damage resulting from attempted repairs by unauthorized repair centers or individuals, damage incurred during shipment, blown outputs or power supplies in amplifiers from overdriving or under voltage due to ignoring the LED Clipping Indicator, excessive vibration damage in amplifiers due to improper installation, using an aluminum wire and/or any other wire that is not recommended in the owner's manual on a high-current amplifier, installation and removal costs of the products associated with obtaining a warranty claim, product damaged in an accident, damages due to criminal activity, by 'acts of God' (lightning, flooding, etc.), products with the serial number and/or warranty seal removed or damaged.