



Thank you for purchasing a PRV Audio amplifier!  
The PRV Amplifier delivers the most innovative and powerful Brazilian technology in full range class D 12v amplifiers on the market.

Before connecting your amplifier review all recommendations thoroughly. **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.** Always use 100% Cooper cables and good quality connectors. This guarantees the sound's quality and fidelity;  
To avoid damaging the cables, make sure that they do not touch sharp metal edges. Important: Use a fuse 12 inches away from the battery as a safety precaution

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.

Model	5K 1Ω	8K 1Ω	5K 2Ω	8K 2Ω
Channels	01	01	01	01
Rated RMS Power at 13.8 V at 1 Ohm	5000 Watts RMS	8000 Watts RMS	-----	-----
Rated RMS Power at 13.8 V at 2 Ohms	3200 Watts RMS	4600 Watts RMS	5000 Watts RMS	8000 Watts RMS
Rated RMS Power at 13.8 V at 4 Ohms	-----	-----	2700 Watts RMS	4400 Watts RMS
Average Efficiency	80%	80%	82%	82%
Rated RMS Power at 12.6 V at 1 Ohm	4700 Watts RMS	7400 Watts RMS	-----	-----
Rated RMS Power at 12.6 V at 2 Ohms	3000 Watts RMS	4200 Watts RMS	4500 Watts RMS	7600 Watts RMS
Rated RMS Power at 12.6 V at 4 Ohms	-----	-----	2300 Watts RMS	4000 Watts RMS
Operating Voltage	11 - 15 Volts			
Musical Current Draw	245 Amps	370 Amps	230 Amps	360 Amps
Minimum Battery Bank + 140A Alternator	165Ah	310Ah	160Ah	300Ah
Minimal Power Wire Input	0 Gauge	0 Gauge	0 Gauge	0 Gauge
Minimal Speaker Wire Output	14 Gauge	12 Gauge	14 Gauge	12 Gauge
Frequency Response (-3dB)	20 - 12,000 Hz			
Crossover - High Pass or Low Pass Filter	50 - 2,000 Hz			
EQ - Bass Boost (at 50Hz)	0 - 15dB			
Min. Input Sensitivity for Max. Output	220 mV			
Signal Input	1 Pair RCA			
Signal To Noise	>90dB			
Protection System	Low Supply Voltage / Shortage on Output / Low Impedance on Output / Thermal Protection			
Heat Sink Type	Cast aluminum			
Dimensions ( Width x Depth x Height )	12" x 9.85" x 2.90"	15.15" x 9.85" x 2.90"	12" x 9.85" x 2.90"	15.15" x 9.85" x 2.90"
Weight	10.50 Lbs	13.50 Lbs	10.50 Lbs	13.50 Lbs

The power rated data are based on equipment from the PRV Audio Group laboratory. Frequency reference of 1Khz with THD+N to ≤3% in impedances referring to the indicated in each measurement. The electronic components and the manufacturing process can present manufacturing

If you have any questions about the installation or operation of your new PRV Audio product, click on the CONTACT US tab on the PRV Audio homepage:

**www.prvaudio.com**

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 Audio Dealer. This warranty is non-transferable.

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.

### BLUE LED - ON

- When constantly ON, Indicates when amplifier is working

### YELLOW - PROTECTION

- Indicates when amplifier is in protection mode. This amplifier has 4 protection modes.

#### • Low Supply Voltage Protection

When the audio is cut off the **BLUE and YELLOW LEDs will stay on**. It indicates the electric tension is under 9 volts.

#### • Shortage / Low Impedance on Output Protection

When the audio is cut off the **YELLOW and RED LEDs will stay on**.

This means a short-circuit or low impedance of the audio output. Please review all speakers for damage and make sure nominal load is not below recommended impedance.

#### • Thermal Protection

When the audio is cut off and the **BLUE LED stays on while the YELLOW LED is flashing**.

This indicates the amplifier is in protection due to high temperature. Turn the amplifier off and move to a new location with better ventilation so the amplifier can work in recommended temperature.

#### • Damage Amplifier Protection

When the audio is cut off all 3 LEDs **will flash constantly, BLUE, YELLOW and RED LED**.

This means the amplifier has some damage, can no longer operate, and must be sent to one of our technical repair centers for review.

### RED LED - CLIPPING

- Indicates when amplifier output begins to distort the sound.

*The clipping LED is a tool to diagnose when you have reached the limit of the amplifier output.*

It will blink if you have exceeded the max output power on the true working impedance of the amplifier or due to the lack of battery power in the system.

-Amplifier must not operate with excessive flashing of the clipping LED.

**Abuse may cause damage to amplifier or speakers.**

### Troubleshooting



**Warning!**

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