



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.

Troubleshooting

STATUS LED is ORANGE

-Indicates amplifier is ON, waiting on audio signal to operate.

STATUS LED is BLUE

- When constantly ON, Indicates when amplifier is working, receiving audio signal.

STATUS LED BLINKING RED Occasionally with Strong Music Notes

- 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.

STATUS LED CONSTANT FLASHING RED no audio - PROTECTION system

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

When the audio is cut off the **RED LEDs will constantly flash.**

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.

STATUS LED CONSTANT FLASHING WHITE no audio - PROTECTION system

• **Low / High Supply Voltage Protection**

When the audio is cut off the **LED will flash WHITE.** It indicates the electric tension is under 9 volts or above 16 volts. If Voltage goes back to operating voltage, amplifier after 30 seconds will turn back on automatic.

STATUS LED CONSTANT FLASHING WHITE and RED no audio - PROTECTION system

• **Damage Amplifier Protection**

When the audio is cut off and the status LED **will flash WHITE and RED.**

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

Model	SQ3500X 1Ω	SQ3500X 2Ω	SQ3500X 4Ω	SQ6000X 1Ω	SQ6000X 2Ω
Channels	01	01	01	01	01
Rated RMS Power at 13.0 V at 1 Ohm	3500 Watts RMS	-----	-----	6000 Watts RMS	-----
Rated RMS Power at 13.0 V at 2 Ohms	2400 Watts RMS	3500 Watts RMS	-----	4000 Watts RMS	6000 Watts RMS
Rated RMS Power at 13.0 V at 4 Ohms	-----	2300 Watts RMS	3500 Watts RMS	-----	4000 Watts RMS
Rated RMS Power at 13.0 V at 8 Ohms	-----	-----	2100 Watts RMS	-----	-----
Average Efficiency	81%	83%	84%	80%	81%
Rated RMS Power at 12.0 V at 1 Ohm	3000 Watts RMS	-----	-----	4800 Watts RMS	-----
Rated RMS Power at 12.0 V at 2 Ohms	1900 Watts RMS	3100 Watts RMS	-----	3000 Watts RMS	4700 Watts RMS
Rated RMS Power at 12.0 V at 4 Ohms	-----	2000 Watts RMS	3000 Watts RMS	-----	2900 Watts RMS
Rated RMS Power at 12.0 V at 8 Ohms	-----	-----	1800 Watts RMS	-----	-----
Operating Voltage	11- 15 Volts				
Musical Current Draw	190 Amps	185 Amps	180 Amps	300 Amps	300 Amps
Minimum Battery Bank + 220A Alternator	60Ah	60Ah	60Ah	185Ah	180Ah
Minimal Power Wire Input	Single Inputs - 0 Gauge wire				
Minimal Speaker Wire Output	14 Gauge	14 Gauge	14 Gauge	14 Gauge	14 Gauge
Frequency Response (-3dB)	25 - 25,000 Hz	25 - 25,000 Hz	25 - 25,000 Hz	20 - 18,000 Hz	20 - 18,000 Hz
Min. Input Sensitivity for Max. Output	290 mV				
Signal Input	1 Pair RCA				
Signal To Noise	>90dB				
Protection System	Low Supply Voltage / Shortage on Output / Low Impedance on Output				
Heat Sink Type	Heavy Duty Cast aluminum				
Dimensions (Width x Depth x Height)	8.25" x 10.25" x 2.75"			15.25" x 10.25" x 2.75"	
Weight	8.50 Lbs			12.50 Lbs	

The power rated data are based on equipment from the PRV Audio Group laboratory. Frequency reference of 60Hz to 1kHz with THD+N to ≤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.

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.