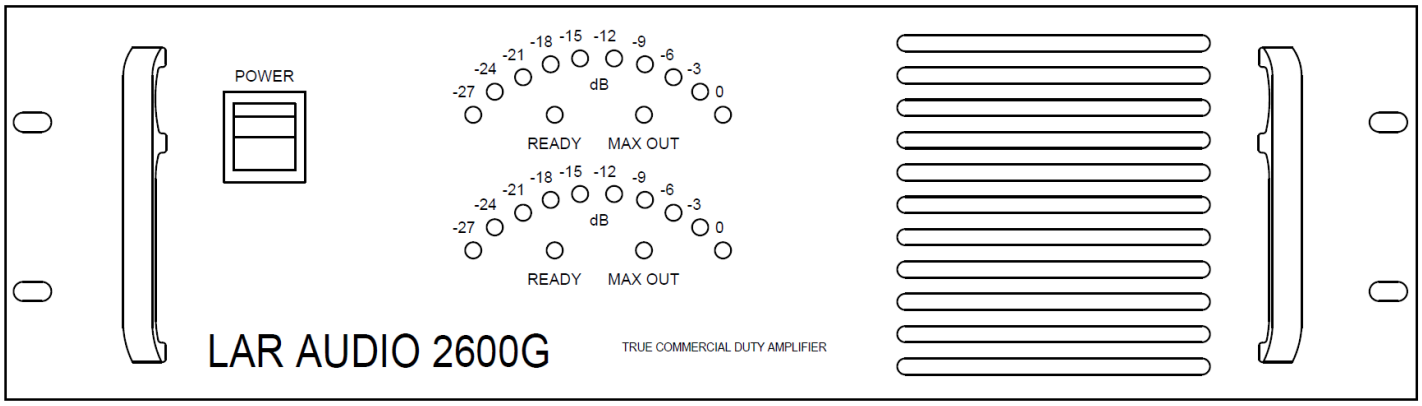
LAR Electronics Corp. | 2733 Niagara Street | Niagara Falls, NY 14303 | (716) 285-0555 | larryk@laraudio.com | www.laraudio.com

2600G Audio Power Amplifier



Features

- Extremely Low Noise / High Fidelity Audio Amplifier Architecture Utilized
- DC Fault / Shorted Speaker / Transmission Line Short Circuit Protection
- Delivers High Output Sound to Speaker Loads Down to 2 Ω per Channel
- Can Safely and Consistently Power Up to 8 Subwoofers at Over 1600 W RMS per Channel
- DPDT Illuminated Rocker Style Power Switch
- LED Indicators Displays Output Head Room From -27dB To 0dB In 3dB Increments
- Neutrik Style Female XLR Input Connectors
- Banana Jack Speaker Connection Outputs
- Gain Adjustable From Full Cut to +31.5dB
- Internal Fans – One Auxiliary Cooling Fan for the Power Supply, One to Cool the Power Amp Modules
- 3 prong IEC Power Inlet 120VAC, 20A
- Speaker Protection Output Fuses
- Push-To-Reset Style Circuit Breaker

Interface and Display	
Front Panel	
Controls	Power Switch
Indication LED's [Color]	-27dB Output [Blue], -24dB Output [Blue], -21dB Output [Blue], -18dB Output [Blue], -15dB Output [Green], -12dB Output [Green], -9dB Output [Green], -6dB Output [Yellow], -3dB Output [Yellow], 0dB Output [Red], Max Voltage Output [Red], Ready Indicator [Green]

Interface and Display	
Rear Panel	
Controls	Overall Gain Knobs
Audio Inputs	Balanced Channel 1 & 2 Inputs
Audio Outputs	Speaker 1 & 2 Outputs
Power / Speaker Connectors	3-Prong IEC Inlet 120VAC, 20A Push-To-Reset Style Circuit Breaker, Type ABC 12A Fuses

	2600G Power Amplifier
Front End Error Amp Topology	Dual Mirrored Differential Long Tailed Pair, CCS Biased
Output Section Topology	Fully True Complement, Class AB + Class B Boost (Linear Class G)
Overall Power Amplifier Gain	Adjustable From Full Cut (-∞) Fully CCW to 38 v/v (31.5dB) Fully CW
Output Voltage Rails	+/- 58VDC & +/-116VDC Unloaded, Earth Ground Referenced
Current Draw	20 A [Nominal], 30 A [Max]
Burst Power Test, Both Channels Driven (25mS on, 25mS off)	
8 Ω	100 Vp per Channel, 625 W During On Cycle Power Supply Draw 950 W
4 Ω	90 Vp per Channel, 1012 W During On Cycle Power Supply Draw 1300 W
2 Ω	80 Vp per Channel, 1600 W During On Cycle Power Supply Draw 2030 W
Load Impedance	2 Ω per Channel Minimum
Input Impedance	20k Ω Balanced
Maximum Input Level	+4 dBu
Amplifier Power Supply	Linear – 2000 VA Toroid – 4x 30,000µF Filter Capacitors
DC Output Offset	No More Than +/- 100mVp
Damping Factor	> 400
Quiescent Offset at Output (Unloaded)	< 50mVp-p
Input For Full Power Out	1.4V RMS
Power Unit Step Response Slew Rate Test Without Input RF Protection at Preamp	100V/µS
Thru-put Frequency Response	10Hz – 60kHz Within 0.5 dB Full Power
THD 20Hz – 20kHz, 4 Ω Load Full Power	.03%
Required AC Mains	120VAC, 60Hz, 30A
Cooling Method	Variable Speed Internal Fans
Number of Output Channels	2
Dimensions	3 Rack Units
Weight	58 lbs

Specifications Subject to change without notice

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