

X Series

Professional Power Amplifiers

X2500

X3800

X5600

BGW



NEW BGW Systems presents True Audio Power

with a new state-of-the-art design providing the highest performance and best value available. The power supply, featuring a massive toroid and up to 120,000 µF of energy storage, ensures bass transients are faithfully reproduced — real BGW Bass.

Three models ranging from 475 watts to 900 watts per channel, with bridge mono power at up to 2450 watts. These models run cool continuously up to their operating limits.

Features

- High efficiency, linear output circuit reduces AC current usage and cooling requirements by 40% or more
- High current, specially constructed toroidal transformers provide higher efficiency, extra reserve and no electrical or mechanical noise — even with bad mains power!
- Variable speed fan for quiet operation
- State-of-the-art electronic turn on surge limiter (no power sequencers needed) — will never trip breakers
- Modular design means less down time if there is a problem
- Super quiet turn-on and off using an output relay & electronic muting
- Delayed audio turn-on mutes transients from input sources when all equipment is powered up together
- Durable powder coat finish on a 16 gauge welded steel unibody chassis
- LED indicators for Power, Signal, True Clip and Protect on the front panel
- 5-way binding post speaker output connectors
- ¼" and XLR balanced inputs
- Detented front panel attenuators
- Clip limiter prevents clipping distortion
- Removable handles
- Ground lift switch
- Bridge Mono/Stereo/Dual Mono functionality
- Electronic short circuit protection
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers — allowing one channel to operate even if the other channel is down
- Connector protection - no damage if standing vertically on the rear side
- 3 Year warranty
- Made in USA

In addition to superior bass, excellent vocal and high frequency response highlight the features of this series — hear the sound other amplifiers miss! BGW's legendary modular design, unibody welded steel chassis construction and conservative multiple protection circuits make the X Series perfect for nearly every application.

BGW has been designing quality audio products for over 30 years.

Watts Per Channel (Ratings per EIA 490 A)			
Model	8 ohms	4 ohms	2 ohms
X2500	475	725	1000
X3800	660	1050	1500
X5600	900	1500	-



Rear Panel Of X Series

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BGW X Series

Model	X2500				X3800				X5600				
Output Power in watts													
EIA 490A method: @ 1% THD:													
per channel @ 8 ohms		475				660				900			
per channel @ 4 ohms		725				1050				1500			
per channel @ 2 ohms		1000				1500				NR			
per channel @ 70 Volts Direct		475				660				1400			
Bridge Mono													
8 ohms		1275				1750				2300			
4 ohms		1750				2450				NR			
Intermodulation Distortion		<.008% @ rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)											
Rise Time		6 μs											
Slew Rate		20 V/μs (stereo) , 40 V/μs (mono)											
LF Damping Factor		> 300:1 at 50 Hz and below (ref 8 ohms)											
Small Signal Freq. Response		8 Hz-56 kHz, +0,-3 dB 20 Hz-20 kHz, +0, -0.3 dB											
Crosstalk		> 90 dB @ 20 Hz-20 kHz											
DC Offset Voltage		< +/-10 mV (5 mV typical)											
Signal/Noise Ratio 8 ohm 20 Hz-20 kHz		> 107 dB < 475 W (A-wtd) bal				> 107 dB < 660 W (A-wtd) bal				> 107dB < 900 W (A-wtd) bal			
Voltage Gain		29.9 dB				33.4 dB				34.7 dB			
Input Impedance @8 ohm rated power		11 kohms bal or unbal (bal input between pin 2 & 3)											
Input Sensitivity		0.775 Vrms for rated 8 ohm output											
Minimum Load Impedance		2 ohms (stereo)				2 ohms (stereo)				4 ohms (stereo)			
		4 ohms (mono)				4 ohms (mono)				8 ohms (mono)			
Power Requirement		100V 12A	120V 10A	230V 5A	AC, 50-60Hz	100V 13.8A	120V 11.5A	230V 6.7A	AC, 50-60Hz	100V 13.8A	120V 11.5A	230V 6.7A	AC, 50-60Hz
Dimensions overall (h x w x d)		5.25 x 19 x 18.8 inches											
behind front panel (h x w x d)		5.25 x 17.35 x 18.7 inches											
Weight		50 lbs net, 58 lbs shipping				58 lbs net, 66 lbs shipping				62 lbs net, 70 lbs shipping			
Control		One 21 position detented rotary input attenuator per channel.											
Cooling		Continuously variable fan speed based on accurate temperature sensing of heatsink modules											
		Air flows front to rear											
Polarity Convention		XLR Pin out: pin 2 = +, pin 3 = -, pin 1 = ground											
		Phone Pin out: tip = +, ring = -, sleeve = ground											
THD (1 db less than full power)		less than 0.1%											
Features		limiter											
		bridged mono operation											
		dual mono mode											
		ground lift											
		subsonic filter											
Warranty		3 yrs standard, parts & labor											

Power Ratings are EIA 490 A power sine wave, one channel driven into the specified load impedance. THD of 1% maximum from 1 (or 2) Watt to rated output power. Other channel driven at 1/8 power. All measurements assume 120V AC power input.
Due to continuous product improvement, all specifications and features are subject to change without notice.

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