

# GT Series Professional Power Amplifiers

GT2500

GT3800

GT5600



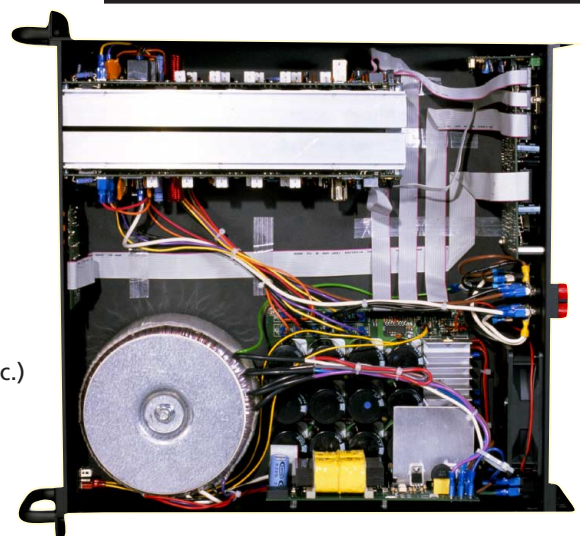
Motivated by the people that use them, the GT Amplifiers are perfectly designed for Live Sound and Touring applications where the highest performance, reliability and best value are of utmost concern. The new BGW Power Efficient™ design features a conventional power supply for proven reliability and cost saving with over 124,000 uF of energy storage. The three models range

in power from 700 watts to 1500 watts at 4 ohms. 1dB detented attenuators on the front panel are important features as well as BGW's renowned unibody welded steel construction and modular design for sturdiness and ease of service (if required.) Once again, BGW provides the best TCO (Total Cost of Ownership.)

## 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
- Variable speed fan for more protection and quiet operation
- Turn on surge limiter (no power sequencers needed) should never trip breakers
- Open industry faastLink™ connector
- Transformer input option through faastLink™
- Modular design means less down time if there is a problem
- Switchable clipping eliminator limiter
- Super quiet turn-on and off using an output relay & electronic muting
- Durable powder coat finish on a 16 gauge welded steel unibody chassis
- LED indicators for Power, Signal, Clip, Limit and Protect on the front panel
- Neutrik Speakon™ and 5-way binding post speaker output connectors
- Eurostyle barrier strip inputs for universal connections
- ¼" and XLR balanced inputs
- 1dB detented attenuators on the front panel
- Switchable 30 Hz 12 dB per octave high pass filter
- Ground lift switch
- Bridge Mono/Stereo/Dual Mono switches
- State of the art, comprehensive, electronic load protection (short, open, etc.)
- Independent DC and thermal overload protection on each channel automatically protects amplifier and speakers and allows one channel to operate even if the other channel is down.
- Connector protection - no damage if standing on the rear side
- 3 Year warranty

Watts Per Channel			
Model	8 Ω	4 Ω	2 Ω
GT2500	475	725	1000
GT3800	660	1050	1500
GT5600	900	1500	-



# BGW GT Series



POWER	Model GT2500		Model GT3800		Model GT5600			
	Bridged Mono	Dual Channel	Bridged Mono	Dual Channel	Bridged Mono	Dual Channel		
EIA 490A Power Method								
8 ohms	1275 W	475 W/ch	1750 W	660 W/ch	2350 W	900 W/ch		
4 ohms	1750 W	725 W/ch	2450 W	1050 W/ch	-	1500 W/ch		
2 ohms	-	1000 W/ch	-	1500 W/ch	-	-		
Intermodulation Distortion	less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)		less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)		less than 0.008% at rated 8 ohm power output (SMPTE method, 60 Hz & 7 kHz, 4:1 ratio)			
Rise Time	6 $\mu$ s		6 $\mu$ s		6 $\mu$ s			
Slew Rate	20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)		20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)		20 V/ $\mu$ s (stereo mode), 40 V/ $\mu$ s (mono mode)			
LF Damping Factor	> 300:1 (ref. 8 ohms) below 50 kHz		> 300:1 (ref. 8 ohms) below 50 Hz		300:1 (ref. 8 ohms) below 50 Hz			
Small Signal Frequency Response	8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB		8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB		8 Hz - 56 kHz, +0/-3 dB 20 Hz - 20 kHz, +0,-0.3 dB			
Crosstalk	> 90 dB @ 20 Hz - 20 kHz		> 90 dB @ 20 Hz - 20 kHz		> 90 dB @ 20 Hz - 20kHz			
DC Offset Voltage	< $\pm$ 10 mV (5 mV typical)		< $\pm$ 10 mV (5 mV typical)		< $\pm$ 10 mV (5 mV typical)			
Hum & Noise Level 8 ohms 20 Hz - 20 kHz	> 110 dB < 440 W (unwtd.) bal.		> 110 dB < 660 W (unwtd.) bal.		> 110 dB < 880 W (unwtd.) bal.			
Voltage Gain	29.9 dB		33.4 dB		34.7 dB			
Input Impedance @ 8 ohm rated power	11k ohms bal. or unbal. (balance input between pin 2 & 3)		11k ohms bal. or unbal. (balance input between pin 2 & 3)		11k ohms bal. or unbal. (balance input between pin 2 & 3)			
Input Sensitivity	0.775 Vrms for rated 8 ohm output		0.775 Vrms for rated 8 ohm output		0.775 Vrms for rated 8 ohm output			
Load Impedance	>= 2 ohms (stereo mode) >= 4 ohms (mono mode)		>= 2 ohms (stereo mode) >= 4 ohms (mono mode)		>= 4 ohms (stereo mode) >= 8 ohms (mono mode)			
Power Requirement	100 V 10 A	120 V 8 A	230V AC, 5A	50-60 Hz	100 V 15 A	120 V 12 A	230V AC, 7.5A	50-60 Hz
Dimensions	overall (h x w x d)		5.25 (3U) X 19 X 18.8 (inches)		5.25 (3U) X 19 X 18.8 (inches)		5.25 (3U) X 19 X 18.8 (inches)	
	behind front panel (h x w x d)		5.25 X 17 X 18.7 (inches)		5.25 X 17 X 18.7 (inches)		5.25 X 17 X 18.7 (inches)	
Weight	50 lbs (22.7 kg.) net, 58 lbs (26.3 kg.) shipping		58 lbs (26.3 kg.) net, 66 lbs (28.1 kg.) shipping		62 lbs (28.1 kg.) net, 70 lbs (31.75 kg.) shipping			
Control	One 21 position detented rotary control precision input attenuator per channel. One (1) dB attenuation steps.							
Switches	limiter on/off switch	X		X		X		
	bridged operation switch	X		X		X		
	dual mono mode switch	X		X		X		
	ground lift switch	X		X		X		
	subsonic filter switch	X		X		X		
Option	faastLink™ options	X		X		X		
Cooling	Continuously variable fan speed based on accurate temperature sensing of heatsink modules. Front - to - rear air flow							
Polarity Convention			XLR Pin out: pin 2 = + pin 3 = - pin 1 = ground Phone Pin out: tip = + ring = - sleeve = ground					
Warranty	3 Years standard, parts/labor		3 Years standard, parts/labor		3 Years 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.

## BGW...Tell a Friend!



BGW Systems, Inc., 13130 Yukon Avenue, Hawthorne, California 90250 USA  
 phone: (800) 468-AMPS, (310) 973-8090, fax: (310) 676-6713  
 email: sales@bgw.com www.bgw.com

LITB-GTSE