

C Series Professional Power Amplifiers

C440
C660
C880



NEW BGW Systems presents True Audio Power

for spectacular cinema sound. A new state-of-the-art design provides the highest performance and reliability. Excellent transient response produces superior bass along with movie dialogue and music vocals with exceptional clarity — hear the sound other amplifiers miss!

The power supply features a massive toroid and up to 120,000 µF of energy storage creating truly moving bass for outstanding sound effects and music soundtracks — real BGW Bass.

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
- XLR balanced inputs
- Detented front panel attenuators with security cover plate
- Clip limiter prevents clipping distortion
- Optional faastLink™ (remote monitor/control) with Eurostyle wire inputs
- 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

Three models ranging from 475 watts to 900 watts per channel, with bridge mono power at up to 2450 watts, will run cool through even the longest movie marathons.

BGW's legendary modular design, unibody welded steel chassis construction, conservative multiple protection circuits, and attenuator security cover make the C Series perfect for cinema applications. With over 30 years of cinema sound installations, BGW delivers an impressive audio experience.

Watts Per Channel (Ratings per EIA 490 A)			
Model	8 ohms	4 ohms	2 ohms
C440	475	725	1000
C660	660	1050	1500
C880	900	1500	-



Rear Panel Of C Series

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BGW C Series

Model	C440	C660	C880
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 μ s		
Slew Rate	20 V/ μ s (stereo) , 40 V/ μ s (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) 4 ohms (mono)	2 ohms (stereo) 4 ohms (mono)	4 ohms (stereo) 8 ohms (mono)
Power Requirement	100V 120V 230V AC, 50-60Hz 12A 10A 5A	100V 120V 230V AC, 50-60Hz 13.8A 11.5A 6.7A	100V 120V 230V AC, 50-60Hz 13.8A 11.5A 6.7A
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. Flush to front with removable security cover plate.		
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 X bridged mono operation X dual mono mode X ground lift X 30 Hz active subsonic filter switchable faastLink™ optional		
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.

BGW...True Audio

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