

Tantrum 1200.1 Mono Block Amplifier

SPECIFICATIONS

Continuous Output Power at 1% THD (watts).

<u> Tantrum 1200.1</u>

Into 4 ohms @ 12.5 Vdc (IASCA/USAC)	.250 x 1
Into 4 ohms @ 14.4 Vdc	.1200 x 1
Into 4 ohms @ 14.4 Vdc (Dynamic Power)	.1400 x 1
Recommended Fuse Size	.80 Amps
Dimensions without Endcaps 11.75L x 10.0W	/ x 2.35H
Dimensions with Endcaps 16.75L x 10.0W	/ x 2.35H

Common Specifications

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Frequency Response	±3dB, 20Hz to 20kHz
Signal to Noise Ratio (A-weighted)	>95dB
Input Sensitivity	.100 millivolts to 4 volts
Crossover Frequency	30Hz to 300Hz
Subsonic Frequency	5Hz to 50Hz
Crossover Slopes	18dB per Octave
Bass Boost	0 to +18dB @ 45Hz
DC Input Voltage Range	10 volts to 15.5 volts
Operating Efficiency	
Typical Current Draw at Idle	3 amps
Minimum Load	2 ohms

Due to ongoing research and development, features, specifications and availability are subject to change without notice.

LIMITED WARRANTY

Phoenix Gold International, Inc. (or "Phoenix Gold") warrants its products against defects in materials and workmanship for a limited period of time.

For a period of one (1) year from date of original purchase, we will repair or replace the electronic product, at our option, without charge for parts and labor. The limited warranty period is EXTENDED to three (3) years from date of original purchase if the product was originally installed by an authorized Phoenix Gold electronics dealer and accompanied by a valid sales receipt showing a charge for installation. Customer must pay all parts and labor charges after the limited warranty period expires. The limited warranty period for factory refurbished products expires after ninety (90) days from date of original purchase. This limited warranty applies only to purchases from authorized Phoenix Gold Electronics/Speaker retailers.

This limited warranty is extended only to the original purchaser and is valid only to consumers in the United States. Consumers are required to provide a copy of the original sales invoice from an authorized Phoenix Gold dealer when making a claim against this limited warranty. This limited warranty only covers failures due to defects in materials or workmanship that occur during normal use. It does not cover failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, service by anyone other than Phoenix Gold, or damage that is attributable to Acts of God. It does not cover costs of transportation to Phoenix Gold or damage in transit.

This warranty will become void if the serial number identification has been wholly or partially removed, altered or erased. Repair or replacement under the terms of this warranty does not extend the terms of this warranty.

Should a product prove to be defective in workmanship or material, the consumer's sole remedies will be repair or replacement as provided under the terms of this warranty. Under no circumstances shall Phoenix Gold be liable for loss or damage, direct, consequential or incidental, arising out of the use of or inability to use the product. There are no express warranties other than described above.



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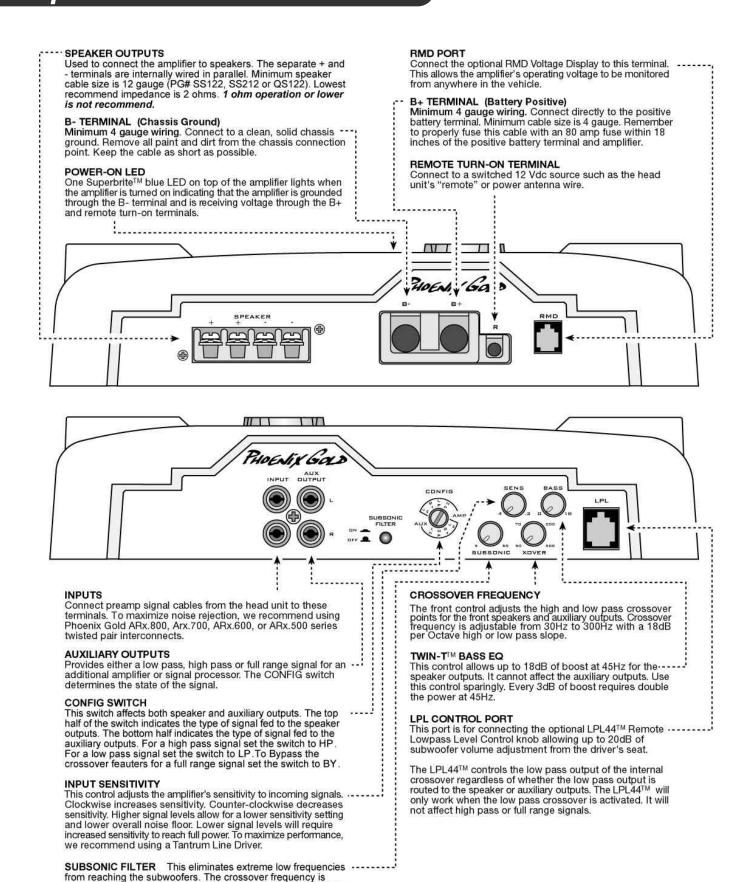
Tantrum 1200.1 High Efficiency Mono Block Amplifier

FEATURES

* For complete manuals, technical tips, FA()'s, system diagrams and new product information visit us 🛭 🧲

- Aluminum Alloy Cast Heatsink with Fly Cut Fins
- High Efficiency Operation using state of the art Tri-Path™ Technology
- Superbrite[™] Blue power-on LED
- 18dB per Octave High or Low Pass crossover: Variable from 30 to 300Hz
- 18dB per Octave Defeatable Subsonic Filter: Variable from 5 to 55Hz
- Auxiliary Output provides a High or Low Pass signal to an additional amplifier
- · LPL Ready: Optional LPL44 allows the subwoofer volume to be adjusted from the dash
- Remote Monitoring Display output connects to optional RMD voltage display
- Adjustable Twin-T[™] bass equalization with +18dB of boost centered at 45Hz
- Fan Cooled Internal Housing
- · Optimized muting circuitry eliminates turn-on and turn-off noises
- Advanced thermal and overload protection
- 2 layer, 2 ounce, copper G10 glass-epoxy printed circuit boards
- Features Surface Mount Technology
- Audiophile grade capacitors and resistors
- Gold plated power and speaker terminals
- · Gold plated signal input and output jacks
- · Optional Tantrum Endcaps hide wiring connections

Operational Details





adjustable from 5Hz to 50Hz with a 18dB per octave slope. The subsonic filter can only effect the low pass signal and can be

turned on or off via the push button.

Product Information

Technology and Design

The Tantrum 1200.1 is specifically designed to deliver a lot of power without taking up a lot of space. The legendary Phoenix Gold Engineering department has done it again. They have integrated revolutionary amplifier technologies while overbuilding this amplifier to handle the abuse and provide the power a demanding "Bass Head" needs.

The Tantrum 1200.1 utilizes the state of the art Tri-Path™ technology. This technology allows for audiophile signal fidelity and high operating efficiencies. The improved efficiencies allow the amplifier to create more power in a smaller package than conventional class A/B amplifiers. While the signal fidelity allows the Tantrum 1200.1 to be utilized as an audiophile full range amplifier unlike most Class-D amplifiers on the market today.

Installation and Recommendations

Phoenix Gold highly recommends you have an authorized Phoenix Gold dealer install the Tantrum 1200.1 so your system is able to achieve its maximum performance. This is a serious amplifier that creates a tremendous amount of power. Please choose subwoofers accordingly that can handle a MINIMUM of 1200 watts of power. This amplifier will drive most speakers to their mechanical limits with ease. Be sure to correctly match the sensitivity, subsonic and crossover settings to avoid subwoofer damage. This is why we highly recommend an Authorized Phoenix Gold Dealer install the amplifier.

When installing the amplifier use at least 4 gauge power and ground wire to the amplifier. Any smaller wire can potentially bottle neck the amplifier's performance and lead to system problems. Also, be sure you have a few inches around the amplifier so that heat will be able to dissipate from the heatsink. We recommend the use of a 1 farad or greater Power*Flow* capacitor. On average this high efficiency amplifier draws less current than a standard A/B amplifier, however the peak current demands are still very high. Also, please be sure to never turn your Tantrum 1200.1 amplifier without speakers connected to the amplifier.

Multiple Amplifier System

System Explanation

This system example has a master amplifier that controls the signal processing for the slave amplifiers downstream. The LPL, crossover and subsonic filter on the master amplifier will effect all slave amplifiers. Please keep in mind each amplifier must still have its own sensitivity and bass boost level individually adjusted regardless if its a master or slave amplifier.

This system setup eliminates the need for a LPL splitter or having to individually match all crossover and subsonic levels on each amplifier in the system. Nearly all of the signal processing can be adjusted using the master amplifier's controls.

