

MODEL 500

500W CLASS A/B AMPLIFIER



The MODEL 500 subwoofer amplifier was designed to offer performance, value, and flexibility. It incorporates a 500W class A/B amplifier utilizing the patented BASH technology for high electrical efficiency.

Four independent controls offer flexibility to integrate nearly all subwoofers with the main speakers and the listening environment. The continuously-variable low pass filter network is adjustable from 40 to 120Hz and can be bypassed if it is preferable to use an external filter or one located in an outboard receiver or processor. The continuously-variable phase circuit is adjustable from 0 to 180 degrees to finely integrate the subwoofer with the main listening speakers.

The MODEL 500 incorporates a unique subsonic filter adjustable from 20 – 35Hz that limits/extends power output to the lowest frequency the subwoofer driver is capable of reproducing. This maximizes performance, helps to protect the subwoofer driver from being overdriven and will reduce distortion by limiting extreme subwoofer driver excursions.

A defeatable Auto-power mode turns the amplifier on automatically when a signal is detected. The Auto-power mode can be defeated if it is desirable to use a remote AC circuit to control the amplifier (on/off) power.

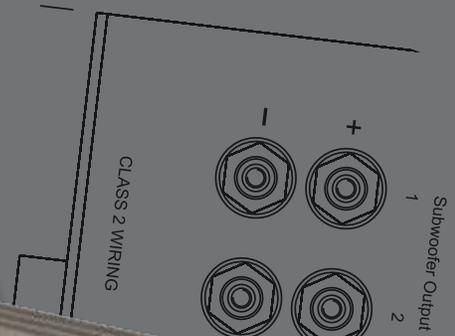
Dual subwoofer outputs allow multiple woofers to be connected to the same amplifier without having to resort to pigtailed, wire nuts, or specialized connectors.

The MODEL 500 incorporates stereo Line-Level inputs and outputs that permit the amplifier to be connected between a preamplifier and amplifier without the need for Y-connectors. The Line-Level inputs also incorporate a buffered internal summing network so that a mono signal is derived from the left and right channels while maintaining the stereo signal integrity for the main stereo speakers. A double-insulated, isolated-ground electrical supply prevents electrical ground loops and reduces the noise floor of the entire audio system.

5 Year Parts & Labor Limited Warranty

ISO 9001 Registered Factory

SUBWOOFER AMPLIFIER



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

ATTENTION
RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR

CAUTION: For continued protection against risk of shock, replace only with same type, size and rating.
ATTENTION: Utiliser un fusible de rechange de même type et calibre.

CEDIA
CUSTOM ELECTRONIC DESIGN & INSTALLATION ASSOCIATION



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SPECIFICATIONS

- Frequency Response:.....20 – 300Hz
- Crossover Frequency:.....40 – 120Hz (Low-pass filter with bypass switch)
- Phase Adjustment:.....0 – 180 degrees (Continuously variable)
- Amplifier Output Power:.....500 watts RMS into 4 ohms, with thermal and clipping limiters
250 watts RMS into 8 ohms, with thermal and clipping limiters
- Distortion:.....Less than 0.2% at rated power
- Audio Inputs:.....Summing stereo line level (RCA x2)
LFE (RCA shared with Left input connector)
- Input Impedance:.....Line-Level – 20k ohms, Unbalanced
- Input Power:.....120V 60Hz AC
- Input Power Connection:.....IEC 2-wire receptacle with integral fuse holder
- Power (Mains) Fuse:.....5A 250V T5AL (5x20mm) style Slow Blow
- Power Modes:.....Auto signal sensing and always on
- Auto Off Delay:.....~10 minutes
- Dimensions (with feet, without ears): 16⁷/₈"W x 3⁷/₈"H x 14³/₄"D, (429W x 98H x 375D)mm
- Weight:.....15lbs (6.8kg)
- Shipping Dimensions:.....21¹/₂"W x 8¹/₂"H x 17¹/₂"D, (550W x 220H x 450D)mm
- Shipping Weight:.....20lbs (9.1kg)



Model 500 Amplifier shown with Rack Ears (included)

