

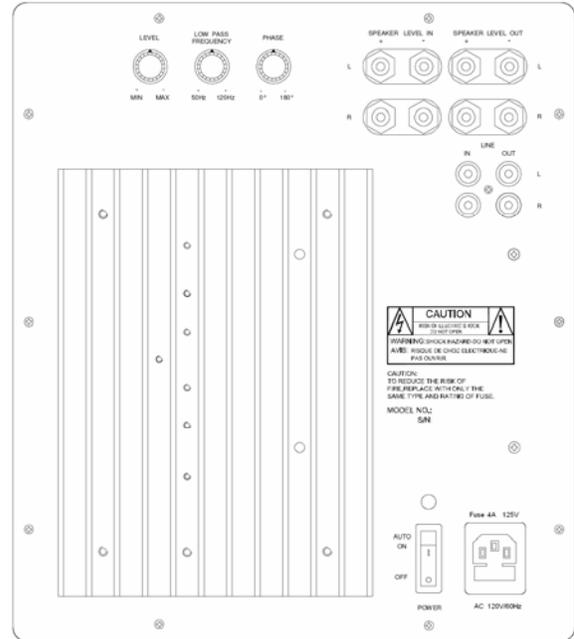
MCM CUSTOM AUDIO

300 Watt Subwoofer Amplifier Module

Congratulations on your purchase of the MCM Custom Audio #50-6262 Subwoofer Amplifier. Perfect for any high-powered home theater application, this amplifier offers high-end features, for an incredibly low price.

Features:

- Two Pairs of Complimentary 2SC5200 and 2SA1943 output transistors
- Ultra heavy duty toroidal power transformer
- Output protection circuit with relay
- IEC type removable power cord
- Speaker (high) and line (low) level inputs
- Direct pass-through speaker outputs
- 0° or 180° Selectable phase selection
- Continuously variable 12dB/octave crossover
- 50~120Hz adjustable crossover
- Automatic power on/off (Input signal sensing)
- Thermal, overload and fuse protection
- Gold plated RCA type line inputs
- Heavy duty binding post speaker connections



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Controls

Power Switch (Off/Auto-On):	The amplifier may be manually turned on or off via this switch. Typically, it is desirable to use the automatic mode. When an input signal is sensed, the amplifier automatically switches on. After approximately 20 minutes of silence (depending upon system), the amplifier switches off.
Crossover Frequency Control:	Adjusts high frequency cutoff of the subwoofer from 60Hz to 160Hz. The optimum position will depend upon the woofer used with this amplifier. This is typically between 50~120Hz.
Adjustable Phase Control:	Due to common circumstances with subwoofer crossovers, often the subwoofer ends up 180° out of phase with satellite speakers. The 0°/180° phase switch will compensate for this occurrence. Once installed, simply select the position that provides the most pronounced bass output.
Level Control:	Adjusts the output volume of the amplifier.

Input / Output Connections

Line Input:	Line level RCA inputs accept signal from pre-amp or subwoofer outputs on home theater equipment. Left and right inputs are isolated, and summed mono, allowing use with stereo sources. In the event that a single subwoofer output is supplied, connect this to either the red or white input. There is no need or benefit to using a "Y" cable to connect to both.
High Level Input:	When no subwoofer or line level signal is available, this input may be connected directly to the speaker output of the stereo system. Because this input is very high impedance, it will add no noticeable additional load to speaker outputs.
High Level Output:	These are used for connection of satellite speakers. This output is functional only when the High Level Inputs are utilized.
Subwoofer Output Connection:	The provided black (-) and red (+) leads are for connection to the subwoofer driver. Caution: This amplifier is designed for use with speaker loads of 4-8 ohms. Use with speakers (or combinations of speakers) totaling less than 4ohms with cause permanent damage to the amplifier.

Specifications

Output Speaker Impedance:	4ohm (absolute minimum)
Power Output:	300W RMS @ 4ohm, 200W RMS @ 8ohm
THD:	Less than 0.05% @ 300W, 4ohm
S/N Ratio:	Greater than 85dB at rated power
Power Requirement:	120VAC, 60Hz
Overall Dimensions:	11 1/4" (H) x 9 7/8" (W) x 5-1/2" (D)
Required Opening:	10 3/8" (H) x 9" (W), depth 4"



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