

# USER MANUAL



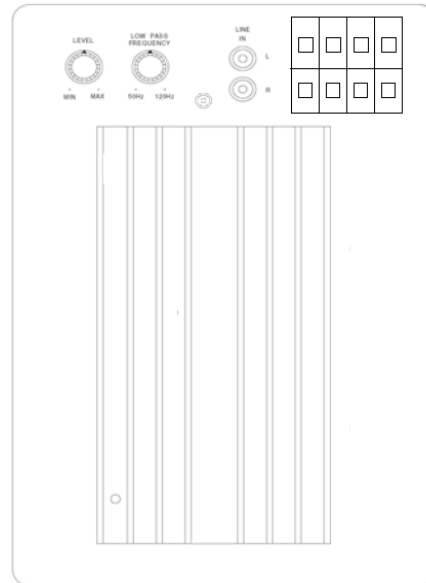
## 120 Watt Subwoofer Amplifier Module

Congratulations on your purchase of the Stellar Labs Model #50-6269 Subwoofer Amplifier. Perfect for any high-powered home theater application, this amplifier offers high-end features, for an incredibly low price.

Note: This is intended for use as a component part of a speaker system, installed into the users existing enclosure. It is the sole responsibility of the user to determine proper safety and performance application for this device. Without proper enclosure, this device may not provide protection from electrical shock or other hazard.

### Features:

- Complimentary 2SC5200 and 2SA1943 output transistors
- Output protection circuit with relay
- Heavy duty toroid power transformer
- Speaker (high) and line (low) level inputs
- Direct pass-through speaker outputs
- 0° or 180° Selectable phase selection
- Continuously variable 12dB/octave crossover
- 50~150Hz adjustable crossover
- Automatic power on/off (Input signal sensing)
- Thermal, overload and fuse protection
- Gold plated RCA type line inputs
- Spring push terminal speaker connections



### 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 50Hz to 150Hz. The optimum position will depend upon the woofer used with this amplifier. This is typically between 50-100Hz.
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

<b>Line Input:</b>	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.
<b>High Level Input:</b>	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.
<b>High Level Output:</b>	These are used for connection of satellite speakers. This output is functional only when the High Level Inputs are utilized.
<b>Subwoofer Output Connection:</b>	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. To prevent accidental shorting of the two leads, do not apply AC power to the amplifier unless a woofer is connected.

## Specifications

<b>Output Speaker Impedance:</b>	4ohm (absolute minimum)
<b>Power Output:</b>	120W RMS @ 4ohm
<b>Power Requirement:</b>	120VAC, 60Hz, 250W
<b>Overall Dimensions:</b>	9-7/8" (H) x 7-7/8" (W) x 4" (D)
<b>Required Opening:</b>	8-7/8" (H) x 6-7/8" (W)

### Warranty

This Stellar Labs device is warranted, by MCM Electronics against defects for a period of 90 days from the date of purchase. This warranty includes manufacture defects and failure due to normal use and operation. Failure due to misuse, excessive wear or damage, improper installation, including impedance loads below 4ohm, is not covered under this warranty. MCM Electronics is not responsible for any consequential or inconsequential damage to any other unit or component incorporated with this device. There are no other warranties, express or implied, which extend beyond this unit, and there are no warranties of fitness for any particular purpose.

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