

Specification Sheet

Model # GPA-221



MISCQ
For The Sound You Want

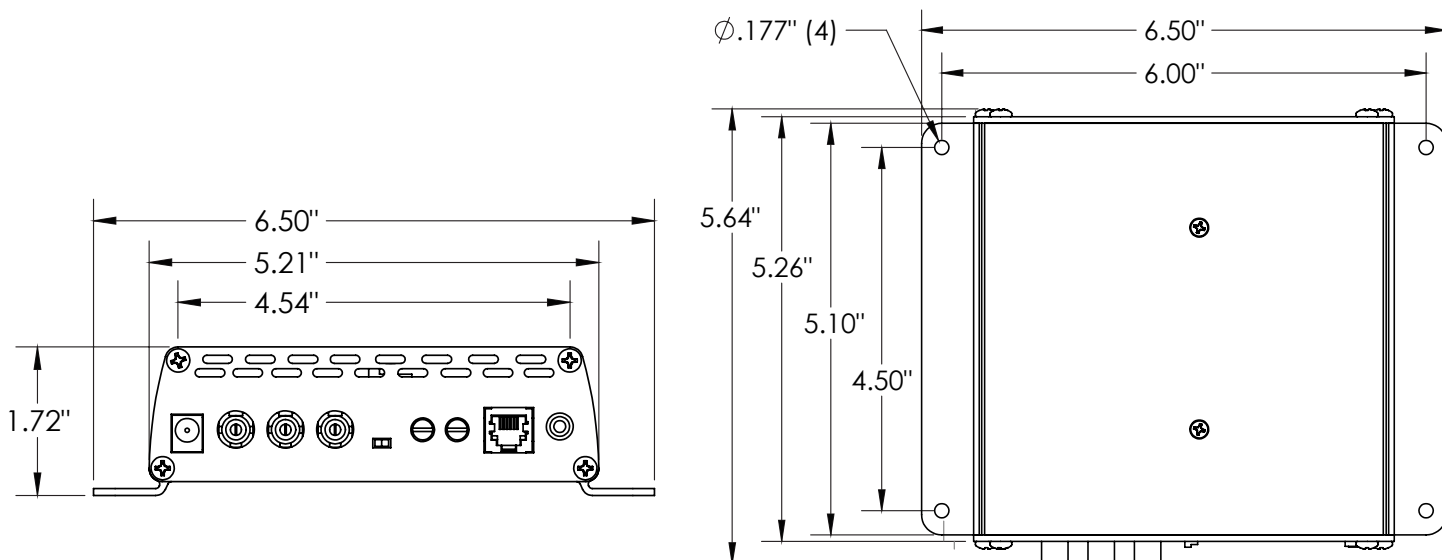
Key Features:

A GPA221 is a 200 Watt, Class D Amplifier. It features a 1/8 inch audio input, stereo or 2.1 speaker output and both onboard and external volume controls. The product size is a compact 6.5" x 5.5" x 1.75". A simple switch between stereo and 2.1 channel configuration gives it greater flexibility.

Product Specifications & Parameters

Operating Voltage (VDC)	18V Supply Minimum		24V Supply		32V Supply Maximum	
Nominal Current (Current with no audio playing)	150mA		160mA		180mA	
In Rush Current	22A x 2ms followed by 2.6A x 20ms		22A x 2ms followed by 2.6A x 20ms		22A x 2ms followed by 2.6A x 20ms	
	18V Supply		24V Supply		32V Supply	
	4Ω	8Ω	4Ω	8Ω	4Ω	8Ω
High Frequency Channels Operating Current (Supply current required per output @ 1% THD+N. Add 20% for operation at 10% THD+N)	350mA	260mA	600mA	360mA	900mA	470mA
Subwoofer Channels Operating Current (Supply current required per output @ 1% THD+N. Add 30% for operation at 10% THD+N)	2.05A	1.05A	2.75A	1.6A	3.7A	2A
Peak Current	4A	2.2A	4.8A	2.6A	5.8A	3.8A
High Frequency Channels (Output power at 1% THD+ N. Tested with a 1kHz sine wave)	5W	4.5W	13W	7.7W	22.5W	13W
Subwoofer Channel (Output power at 1% THD+ N. Tested with a 100Hz sine wave)	9.5W	5.5W	50W	30W	83W	52.5W
High Frequency Channels (Output power at 10% THD+ N. Tested with a 1kHz sine wave)	9.6W	5.3W	18W	9.6W	28W	16.25W
Subwoofer Channel (Output power at 10% THD+ N. Tested with a 100Hz sine wave)	27W	17W	58W	36W	100W	66W
	2.0 Mode			2.1 Mode		
	Crossover			125Hz-20KHz		
	High Frequency Channels Frequency Response			125Hz-20KHz		
	Subwoofer Channel Frequency Response			350Hz-125KHz		

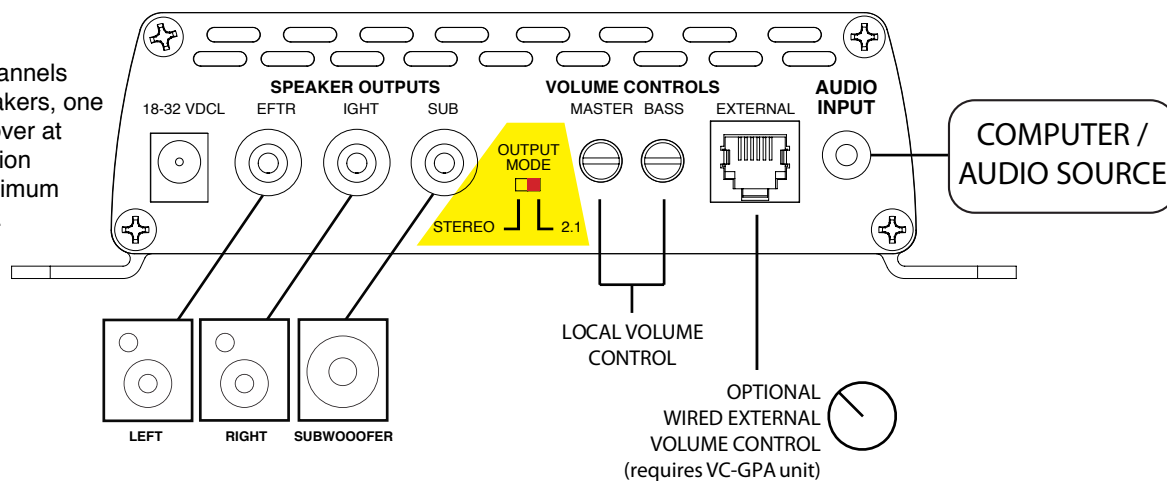
Dimensions



Application Diagrams

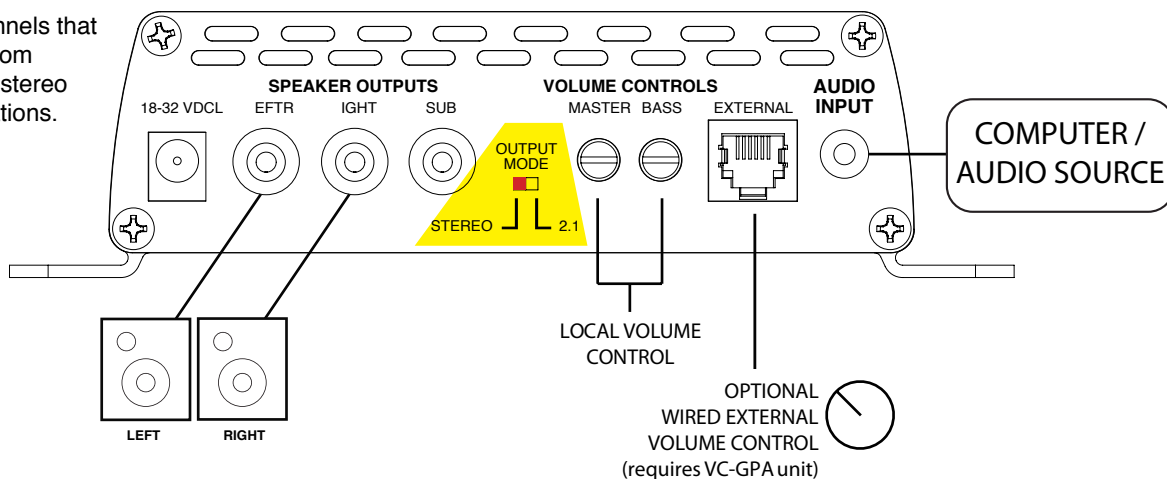
2.1 MODE

Provides three output channels (two high frequency speakers, one subwoofer) with a crossover at 125Hz. Ideal for integration projects that require maximum efficiency and solid bass.



STEREO MODE

Provides two output channels that operate full bandwidth, from 30Hz – 20kHz. Ideal for stereo speaker output configurations.



Additional Information

MASTER

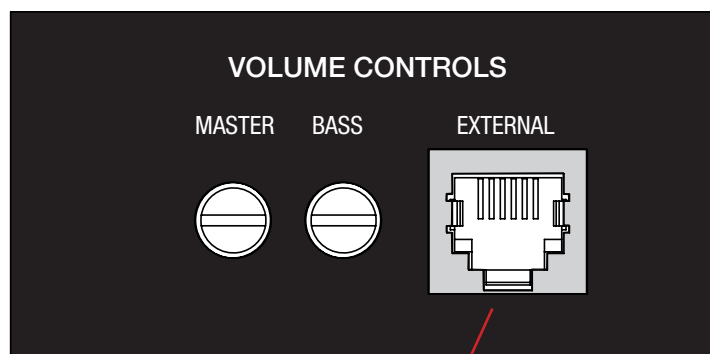
Onboard master volume control for the entire system.

BASS

Onboard volume control for the subwoofer output only. When operating in 2.1 mode, the BASS control can be used to balance the high frequency and subwoofer speakers.

EXTERNAL

Connect the wired (Part #) the VCCA-GPA external volume control to the GPA-221 to control the Master system volume remotely.



MISCO GPA-221

