

AMP-4840

40 Watt Audio Amplifier with
Microphone Mixer and RS-232 Control



FEATURES

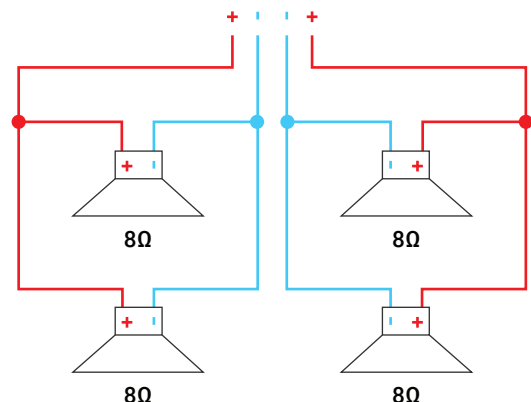
- Drives: 2x 20w @ 4Ω or 2x 10w @ 8Ω or 1x 40w @ 8Ω in bridge mode
- Two stereo audio inputs, switchable by button, IR remote & RS-232
- Volume / Bass / Treble controllable by buttons IR remote & RS-232
- MIC port supports balanced or unbalanced signals
- 3.5mm jack line audio output with controllable volume
- Mono mix switch for summing left and right channels for driving mono outputs
- Microphone input can be mixed with line input and each can be controlled separately
- MIC input supports 48V phantom power, dynamic MIC and wireless MIC
- Auto noise squelch. Detects audio on inputs and mutes the output when there is no input
- Does not have fans

DESCRIPTION

The AMP-4840 is a compact, economical and energy efficient (Class D) mono / stereo audio amplifier with 3 inputs (2 line in and 1 balanced mic). Versatile design is compatible with dynamic, condenser or wireless microphones with fully adjustable control options including RS-232, IR, and front panel buttons. Functions include bridge connection, dual-mono, EQ control, and microphone mixer.

It is designed to drive one or two speakers, but is capable of driving 4 speakers in parallel mode as shown below. In the below configuration each 8 ohm speaker will be able to deliver up to 10 watts of power for a total of 40 watts.

The AMP-4840 is a perfect for classrooms, meeting rooms, boardrooms, sports bars, and more.





Rated Output	2 x 20 w @ 4 or 2 x 10 w @ 8	
Gain	32 dB	
Frequency Range	20 Hz to 20Khz	
Signal/Noise Ratio	20Hz to 20KHz	
Total Harmonic Distortion	80dB (at max output)	
Input Impedance	> 10 Kohm	
Output Impedance	3.5 mm Loop Out: 50 ohm Speaker Out: 4-8 ohm - Amplified	
Stereo Channel Separation	>75 dB from 20 Hz to 20 KHz	
CMRR	>70 dB from 20 Hz to 20 KHz	
Operating Temperature	0°C to 40°C (32°F to 104)	
Humidity	20 to 90% non-condensing	
Power	Max Consumption: 40 watts	Idle Consumption: 4 watts
Power Supply	Input: 100 VAC to 240 VAC, 47-63 Hz	Output: 24 VDC / 5A
Dimensions	Model: 3.78" (96 mm) W x 3.43" (87 mm) D x 1.5" (38 mm) H	
Weight	Model: 0.66 lbs (0.3 kg)	Shipping: 1.95 lbs (0.88 kg)
Certifications	Unit: CE, FCC, RoHS	Power Supply: cULus



AMP-4840 Optional IR Remote Kit
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The IR Remote can be ordered separately (P/N AMP-4840-REMOTE)