

DATA SHEET

AMP-A460H

4-CHANNEL, 60W AMPLIFIER



The AMP-A460H is a four-channel amplifier delivering 60 watts per channel in a sleek, compact design. The AMP-A460H is a half-rack, D-class amplifier that operates in near silence. Because there is no need for internal cooling fans, the AMP-A460H can be placed in a conference room with virtually no audible noise. The ability to bridge channels gives even more power and flexibility to the AMP-A460H. This amplifier can be used in 70/100V constant voltage applications, making it extremely flexible for many applications. Every AMP-A460H ships with a mounting kit for rack mounting a single unit or two units side-by-side. The AMP-A460H is a perfect pairing for TesiraFORTÉ®-equipped conference rooms or applications where office or classroom sound reinforcement is needed.

BENEFITS

- Compact design for versatile placement
- Quick and easy installation
- Quiet operation
- Perfectly matched for TesiraFORTÉ applications

FEATURES

- Four channels; 60W per channel
- Bridgeable channels
- D-Class amplifier topology
- Three manual switches provide: constant voltage operation, bridging channels, and a high-pass filter option
- Supports both 70V and 100V Constant Voltage Systems
- LED indicators for each output channel
- Rack mountable; includes mounting kit
- No additional software needed
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The amplifier shall provide 4 output channels rated for 60W each of maximum power into an 8-ohm load and a 4-ohm load. The amplifier shall also support a bridged mode in which each bridged pair is rated for 120W into an 8-ohm load and a 4-ohm load. In bridged mode, each bridged pair shall be capable of supporting 70V/100V distributed loudspeaker lines with direct-drive constant voltage operation at a total of 120W. The amplifier shall feature a high pass filter at 80Hz that can be manually switched on and off per channel pair. The amplifier shall support 4 analog, line level, balanced inputs for the reception of signal. The amplifier shall provide multicolor LED identification of signal, limiting, and clipping for each channel. The amplifier shall be equipped with screw-down terminal blocks for connecting input and output wiring. The amplifier shall be mountable under a table or in a podium or credenza with customer supplied hardware. The amplifier shall also be a half-rack width, a single rack unit tall 1(RU), and be mountable as a single unit or in pairs with included hardware. The amplifier shall feature a standby operation that is enabled when no signal is present and shall leave the standby state when signal is present again. The amplifier shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be 5 years. The amplifier shall be AMP-A460H.

SPECIFICATIONS

Number of Channels:	4	Power:	100-240VAC, 50/60Hz
Maximum Rated Output, Single Channel Driven, 4Ω, 8Ω:	60W	Cooling:	Convection
Maximum Rated Output, Bridged, 4Ω, 8Ω:	120W	Rear Panel Indicators:	Per channel signal/per pair protection mode/per channel limiting indicator
Maximum Rated Output, Bridged, 70V/100V:	120W	Rear Panel Controls:	80 Hz HPF-on or off per pair Mode selection-standard or bridged per pair Constant Voltage selection per pair (bridge mode only)
THD + N (20Hz-20kHz, at rated power):	<0.3% (all power ratings at rated power), 20 Hz to 20kHz	Environmental:	
Frequency Response:	+/-1 dB 20 Hz to 20kHz	Ambient Operating Temperature:	32-104° F (0-40° C)
Dynamic Range:	100 dB, 8 ohm reference, 20 Hz to 20 kHz, unweighted	Humidity:	95%, non-condensing
Input Sensitivity:	0 dBu at rated power 8 ohm and 70V modes +1.6 dBu 100Vmode	Compliance:	UL and C-UL listed (USA and Canada) FCC Part 15B (USA) CE Marked (Europe) RCM (Australia) EAC (Eurasian Customs Union) Pending RoHS Directive (Europe) CCC (China) Pending KCC (Korea) Pending
Amplifier Topology:	Class D		
Accessories included:	Rack mount kit		
Overall Dimensions:			
Height:	1.7 inches (44 mm)		
Width:	8.7 inches (221 mm)		
Depth:	10.47 inches (266 mm)		
Weight:	4.2 lbs (1.91 kg)		

BIAMP AMP-A406H BACK PANEL

