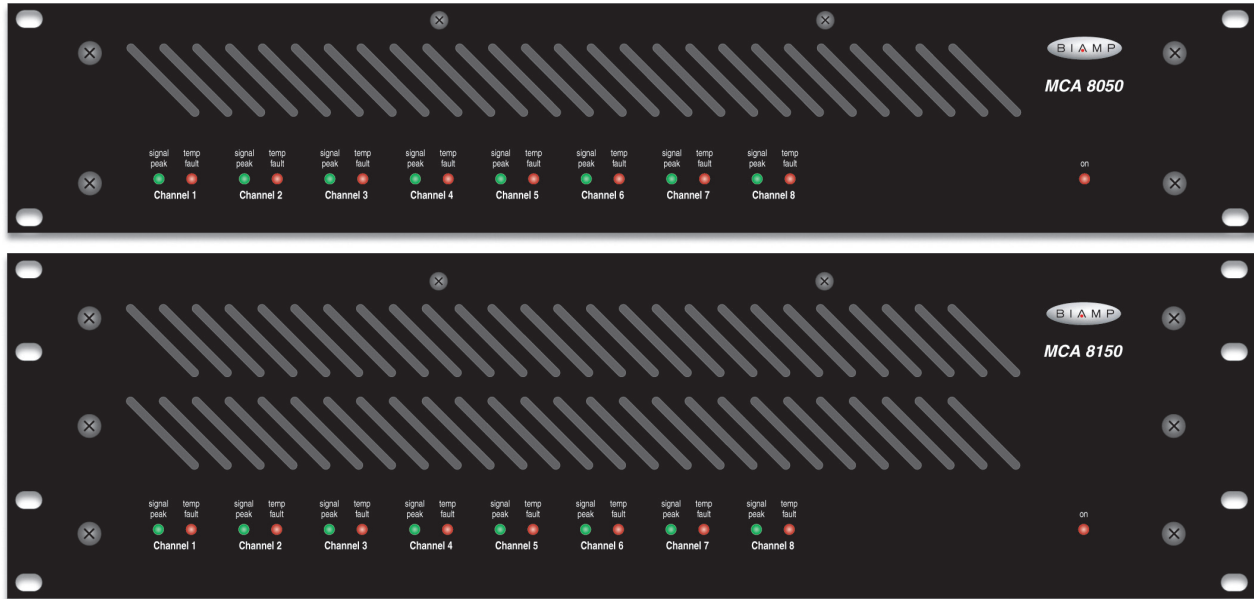




MCA Series Multi-Channel Amplifiers



MCA Series Multi-Channel Amplifiers provide eight channels of power amplification. Model MCA 8050 delivers 50 watts/channel into 4 ohms. Model MCA 8150 delivers 150 watts/channel into 4 ohms. Channels may be bridged in pairs for higher combined wattage. MCA Series amplifiers are covered by a five-year warranty.

FEATURES

- 8 channels of 50W (MCA 8050) or 150W (MCA 8150)
- channels may be bridged in pairs for combined power
- balanced line-level inputs on plug-in barrier strips
- rear panel level controls & high-pass filter switches
- amplifier outputs on screw-terminal connectors
- dual-color signal/peak indicators on front & rear panels
- front panel indicators for amplifier temp/load faults
- fan cooled with complete output/speaker protection
- optional transformers for 25/70/100 Volt systems
- **RoHS** compliance and **AES** grounding practices
- **CE** marked & **UL / C-UL** listed
- **CCC** certified
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The multi-channel amplifier shall provide eight individual channels of power amplification, in two different models. One model shall deliver 50 watts/channel into 4 ohms, with channels bridgeable in pairs to provide 100 watts into 8 ohms. The other model shall deliver 150 watts/channel into 4 ohms, with channels bridgeable in pairs to provide 300 watts into 8 ohms. Channel inputs shall be line-level, with connections provided on plug-in barrier strips. Channel amplifier outputs shall be provided on standard screw terminals.

Each channel shall include LED indication of signal presence, output clipping, over-temperature condition, and output fault condition. Each channel shall include complete self re-setting protection against short-circuit, improper load, and over-temperature conditions. Input level controls & high-pass filter switches shall be provided on each channel. Internally mounted transformers for distributed speaker systems shall be available as a user-installed option, for both individual channel & bridged-pair outputs.

Frequency Response shall be +0/-1dB, THD+N shall be less than 0.2%, and S/N Ratio shall be greater than 85dB (20Hz~20kHz @ rated power). Power Consumption shall be less than 900 Watts (50 watt/channel model) or 1800 Watts (150 watt/channel model). The amplifier shall be CE marked, UL / C-UL listed, and shall incorporate AES48-2005 Grounding & EMC practices. The mixer shall be compliant with EU Directive 2002/95/EC, the RoHS directive. The amplifier shall carry a five-year warranty.

The 50 Watt / channel model shall be a BIAMP MCA 8050.

The 150 Watt / channel model shall be a BIAMP MCA 8150.

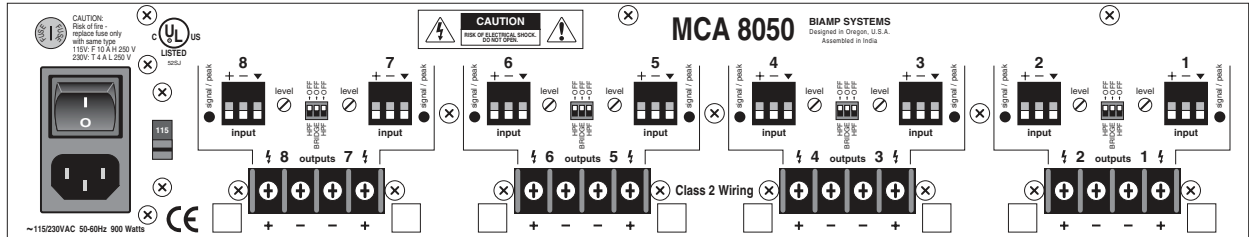
MCA 8050 SPECIFICATIONS

Maximum Power Output (@ 2kHz):		
individual channel into 4 ohm load		50 watts/channel
individual channel into 8 ohm load		30 watts/channel
bridged channels into 8 ohm load		100 watts
Signal-to-Noise Ratio (20Hz-20kHz @ rated power):		> 85dB
THD + Noise (20Hz-20kHz @rated power):		< 0.2%
Intermodulation Distortion (SMPTE):		< 0.35%
Frequency Response (20Hz-20kHz):		+0/-1dB
Input Impedance:		
balanced		20k ohms
unbalanced		10k ohms
Input Sensitivity:		0.775 Vrms (0dBu)
Channel High-Pass Filters:		12dB/octave @ 120Hz
Power Requirements:		115/230VAC 50/60Hz
Power Consumption:		900 watts max.
Dimensions:		
height (2 rack spaces)		3.5 inches (89mm)
width		19 inches (483mm)
depth		15.5 inches (394mm)
Weight:		30 lbs. (13.6kg)
Compliance:		
	AES48-2005 Grounding & EMC practices	
	EU Directive 2002/95/EC, RoHS directive	
	CE marked	
	UL / C-UL listed	
	CCC Certified	

MCA 8150 SPECIFICATIONS

Maximum Power Output (@ 2kHz):		
individual channel into 4 ohm load		150 watts/channel
individual channel into 8 ohm load		90 watts/channel
bridged channels into 8 ohm load		300 watts
Signal-to-Noise Ratio (20Hz-20kHz @ rated power):		> 85dB
THD + Noise (20Hz-20kHz @rated power):		< 0.2%
Intermodulation Distortion (SMPTE):		< 0.35%
Frequency Response (20Hz-20kHz):		+0/-1dB
Input Impedance:		
balanced		20k ohms
unbalanced		10k ohms
Input Sensitivity:		0.775 Vrms (0dBu)
Channel High-Pass Filters:		12dB/octave @ 120Hz
Power Requirements:		115/230VAC 50/60Hz
Power Consumption:		1800 watts max.
Dimensions:		
height (3 rack spaces)		5.25 inches (133mm)
width		19 inches (483mm)
depth		15.5 inches (394mm)
Weight:		35 lbs. (15.9kg)
Compliance:		
	AES48-2005 Grounding & EMC practices	
	EU Directive 2002/95/EC, RoHS directive	
	CE marked	
	UL / C-UL listed	
	CCC Certified	

MCA 8050 REAR PANEL DIAGRAM



MCA 8150 REAR PANEL DIAGRAM

