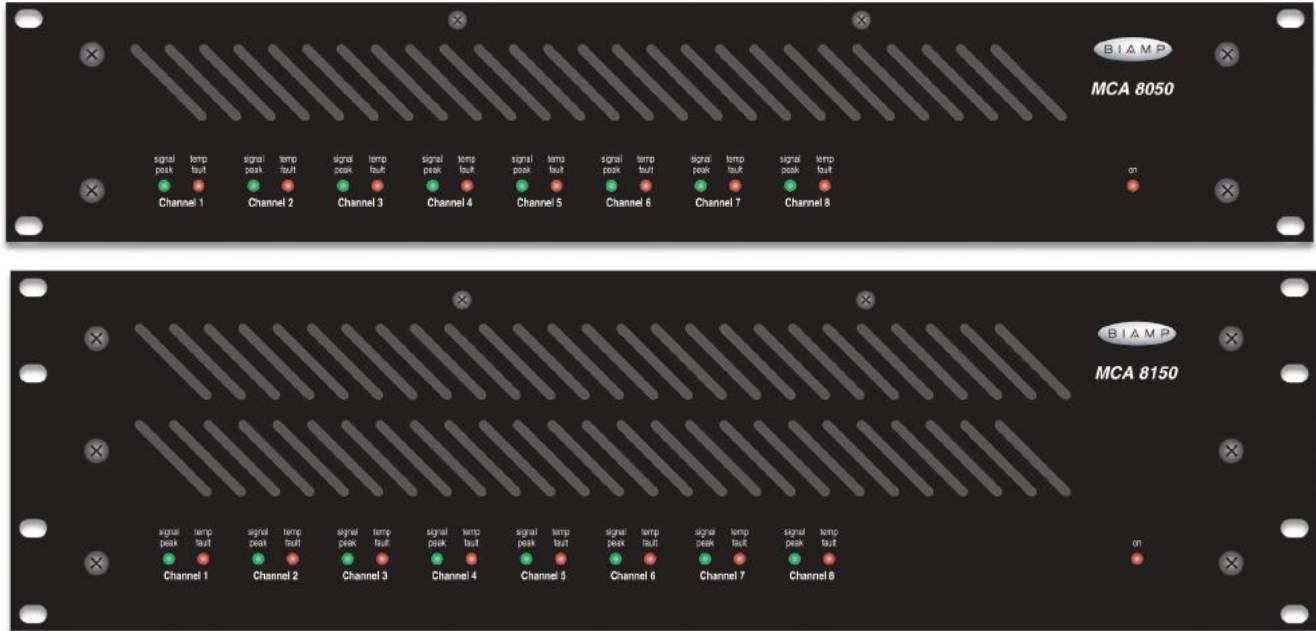




## MCA Series Multi-Channel Amplifiers



**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. Connections are provided for remote control of channel levels & muting. 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
- terminals for remote control of channel levels/muting
- 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
- 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. Connections shall be provided for remote control of individual channel levels & muting, via external potentiometers & switches. 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.

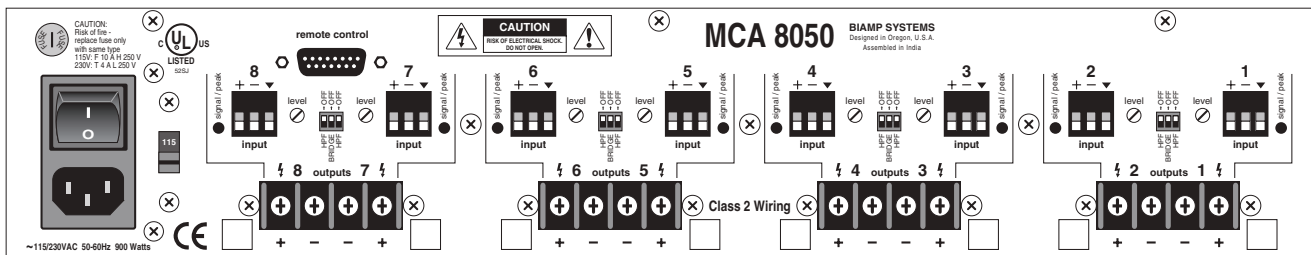
## MCA 8050 SPECIFICATIONS

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

## MCA 8150 SPECIFICATIONS

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

## MCA 8050 REAR PANEL DIAGRAM



## MCA 8150 REAR PANEL DIAGRAM

