



## IWA 250 In-Wall Powered Mixers

The IWA 250 In-Wall Powered Mixer provides an 8 input/2 output mixer plus emergency page interrupt, a 9-band graphic equalizer, and a 250 Watt power amplifier with outputs for standard and distributed speaker systems. Optional VCA remote control cards may be added for controlling mixer input/output levels. Designed for in-wall or surface mounting, with integral security cover, the IWA 250 is UL/C-UL listed and is covered by a five-year warranty.

### FEATURES

- six balanced microphone/line level mixer input channels
- two balanced/summing line level mixer input channels
- high & low tone controls on each mixer input channel
- independent main & aux level controls on each channel
- trim control & peak indicator on each mic/line input channel
- additional balanced line input for emergency page interrupt
- main & aux mixer outputs with master level controls
- mixer functions provided on screw-driver adjustable controls
- optional VCA cards for remote control of input/output levels
- 9-band graphic equalization integrated at amplifier input
- patch points provided for mixer outputs & equalizer input
- mixer inputs & outputs on front panel plug-in barrier strips
- output taps for standard and distributed speaker systems
- +48 Volt phantom power selectable for microphone inputs
- "in-wall" or "surface-mount" chassis with security cover
- **UL** and **C-UL** listed
- **RoHS** compliance and **AES** grounding practices
- covered by Biamp Systems' five-year warranty

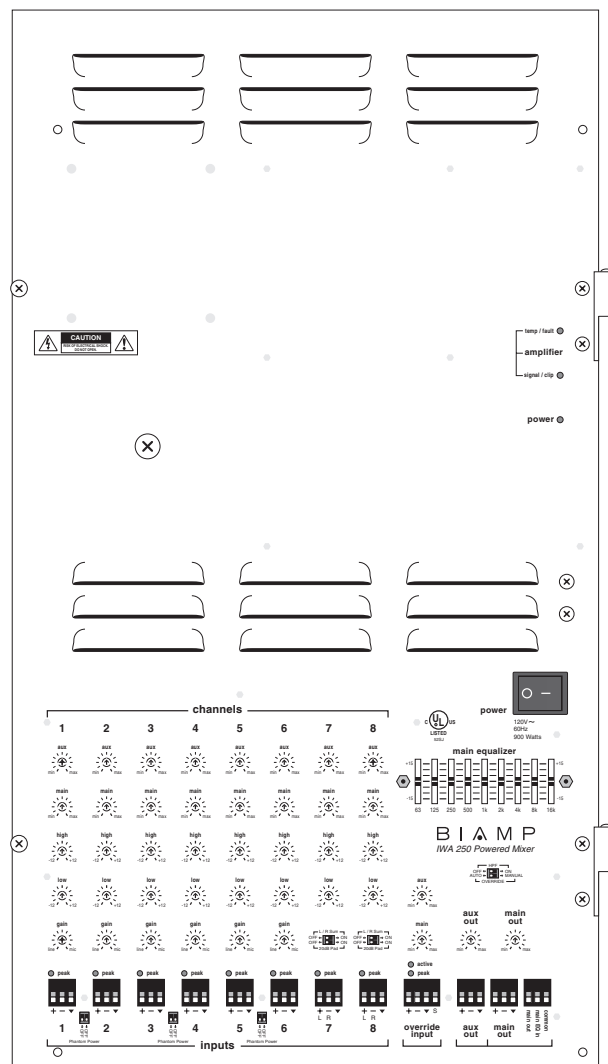
### ARCHITECTS & ENGINEERS SPECIFICATION

The in-wall powered mixer shall incorporate an 8-input/2-output mixer with emergency page interrupt, a 9-band graphic equalizer, and a 250 watt power amplifier. The power amplifier shall include an output transformer, and shall be capable of delivering rated power into direct or distributed speaker systems. Optional VCA cards shall allow remote control of mixer input/output levels.

The mixer shall provide six electronically balanced mic/line input channels and two balanced/summing line input channels. Phantom power of +48 Volts DC shall be selectable on individual microphone inputs. Each channel shall include high & low equalization controls, and independent main & aux level controls. Independent master level controls shall be provided for the main & aux outputs. A separate balanced line input channel shall be provided for emergency page interruption. Mixer controls shall be screw-driver adjustable from the front panel. Mixer connections, including access to mixer outputs & equalizer input, shall be on front panel plug-in barrier strips. The powered mixer shall provide a choice of either in-wall or surface mounting chassis, and shall include a security cover with a hinged/locking control access panel.

Frequency Response shall be +0/-1dB from 20Hz to 20kHz. THD + Noise shall be less than 0.2% from 20Hz to 20kHz at rated power to the 4 ohm direct output, and less than 1.0% from 100Hz to 15kHz at rated power to any transformer output. Signal-to-Noise Ratio shall be greater than 90dB from 20Hz to 20kHz at rated power to the 4 ohm direct output. Power consumption shall be less than 900 Watts. Dimensions shall be 28.6"H x 16.25"W x .9"D (security cover), 26.6"H x 14.25"W x 4"D (in-wall box), and 28.6"H x 16.25"W x 4"D (surface box). Weight shall be less than 34 lbs. for chassis/security cover, and 14 lbs. for in-wall box or 17 lbs. for surface box. The in-wall powered mixer shall be UL/C-UL listed and shall incorporate AES48-2005 Grounding & EMC practices. The in-wall powered mixer shall be compliant with EU Directive 2002/95/EC, the RoHS directive. The in-wall powered mixer shall carry a five-year warranty.

The in-wall powered mixer shall be a BIAMP IWA 250.



## IWA 250 SPECIFICATIONS

<b>Continuous Power</b> (4 ohm direct & transformer outputs):	250 watts	<b>Dimensions (H x W x D):</b>	
<b>Signal-to-Noise Ratio</b> (20Hz~20kHz):		security cover	28.6" x 16.25" x 0.9" (726x413x23mm)
referenced to 250 watts into 4 ohm direct output	> 90dB	in-wall back-box	26.6" x 14.25" x 4" (676x362x102mm)
<b>Total Harmonic Distortion:</b>		surface-mount back-box	28.6" x 16.25" x 4" (726x413x102mm)
20Hz~20kHz @ 250 watts into 4 ohm direct output	< 0.2%	<b>Weight:</b>	
100Hz~15kHz @ 250 watts at transformer outputs	< 1.0%	chassis + security cover	< 34 lbs. (15.42kg)
<b>Intermodulation Distortion (SMPTE):</b>	< 0.35%	in-wall back-box	< 14 lbs. (6.35kg)
<b>Frequency Response</b> (20Hz~20kHz):	+0/-1dB	surface-mount back-box	< 17 lbs. (7.71kg)
<b>Input / Output Impedance:</b>		<b>Compliance:</b>	AES48-2005 Grounding & EMC practices
balanced mic/line inputs	600 ohms		EU Directive 2002/95/EC, RoHS directive
balanced line-level inputs	20k ohms		UL/C-UL listed
unbalanced main & aux outputs	200 ohms		
unbalanced equalizer input	10k ohms		
<b>Equalization:</b>			
low-frequency input channel EQ	±12dB @ 50Hz		
high-frequency input channel EQ	±12dB @ 10kHz		
9-band graphic output EQ	±15dB @ 64Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz		

### front panel & security cover

