



## IA-204 Series In-Wall Preamp/Amplifier/Mixers

simple installation

compact size

easy operation

simple room combining  
or zone switching

The IA-204 Series is a family of two input pre-amplifier/mixer or amplifier/mixers designed for mounting into a 4-gang deep masonry box, such as the RACO 698, the BOWERS 4-MB, or equivalent. The two inputs are both switchable between balanced Lo-Z microphone level and balanced line level, allowing for simultaneous connection of up to four input sources. Their in-wall chassis' are made of rugged .063" aluminum coated with an off-white epoxy based paint, and their faceplates consist of a tough polycarbonate overlay. Each unit also features a removable locking door with either a keyed camlock (standard) or a thumbblatch camlock (optional).

The IA-204P is only a preamplifier/mixer that provides the front end and in-wall controls for conventional rack mounted amplifiers. The IA-204R and IA-204S are both 20 watt amplifiers. The IA-204R provides a DPDT switch for simple room combining when used with the RCM Series, while the IA-204S provides a speaker select switch that can be used to turn off speakers in different zones. Both the IA-204R and IA-204S can supply 24VDC of phantom power to the microphone inputs.

## Specifications:

Power Output .....	20 Watts RMS @ 8 ohms 25 watts RMS @ 4 ohms
Frequency Response .....	35 Hz to 20 kHz +0/-2 dB @ rated power
Distortion .....	Less than 0.2% 40 Hz to 20 kHz @ rated power
Signal/Noise Ratio .....	68 dB volume max./ 81 dB volume min
Input Impedance/Sensitivity .....	.Mic: 2 Kohms /1.5 mV Line: 36 Kohms / 100mV Power Amp In: 47 Kohms / 620 mV
Output Impedance (Preamp Out) .....	100 ohms
Speaker Outputs .....	4 ohm to 16 ohm continuous 25V / 70.7V with T-70V
Amplifier Protection .....	Thermal and short circuit
Power Requirements .....	24 to 30 VDC @ 1.2 A min
Dimensions .....	6.0" H X 9.25" W X 2.25" D (3.25" D with T-70V)
Weight .....	1.5 lbs.

## Architects'/Engineers' Specifications:

The amplifier/mixer shall mount into a standard 4-gang deep masonry box. The amplifier/mixer shall have a power on/off switch, two separate switches for mic and line level operation (one for each input), two separate input level controls (one for each input), and a switch for either room combining or speaker/zone selection. The amplifier shall have a rated power of 20 watts RMS into 8 ohms with less than .2% distortion. The amplifier/ mixer shall have a removable, locking door. The amplifier/mixer shall be an Emtech IA-204.

## Warranty:

Emtech Electronics, Inc. warrants the IA-204 for a period of one year, from the original date of purchase, against defects in parts and workmanship. If a defect occurs, the unit will be repaired or replaced, at our option, free of all charges if delivered prepaid to the factory. Warranty does not extend to finish, appearance, abuse or defects due to the misuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Repair by anyone other than Emtech will void the warranty.

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