



Mixer/Amplifier with CD/MP3/Cassette

PA-2100M/ 2200M

Features

- 100W (PA-2100M) or 200W (PA-2200M) of Output Power into 4Ω or 70V/100V
- Three Balanced Mic Inputs and Two Aux Inputs
- CD/MP3 Player
- Cassette Deck with Play and Record Capabilities
- Five-Band Equalizer
- Voice-Activated Priority Muting via Mic1
- Four-Tone Manual Pre-Page Chime
- Pre-Amp Out (Post-Tone Controls) for External Signal Processing
- Power Amp Input (Normalized) for Patching of External Signals
- Two-Zone Speaker Selector Buttons



Description

The PA-2100M/2200M is a mixer/amplifier designed for applications where a variety of music and paging sources are required, including restaurants, banquet halls, community centers and retail shops. It has 100W(PA-2100) or 200W(PA-2200) of output power and offers an auto-reverse cassette deck, CD/MP3 player, two auxiliary inputs and three balanced microphone inputs. All sources are mixable, with individual gain controls. Voice-activated priority muting, with an adjustable muting level on Mic1 for muting all other channels. A five-band equalizer provides ± 12 dB tone adjustment and a four-note chime button provides a pleasant pre-page tone. The cassette deck features auto-reverse and record/playback capabilities. Indication of amplifier output levels and AC power is supplied by front-panel LED displays. Speaker outputs are provided for either low impedance 4Ω loads or switch-selectable 70V/100V high impedance loads. Two speaker zones for high impedance loads are independently selectable from the front panel. The PA-2100M/2200M is powered by 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements), and comes packaged in a shelf-mount enclosure.

Technical Specifications

ELECTRICAL	PA-2100M	PA-2200M
Rated Output (RMS)	100W	200W
Speaker Output/Impedance	20V/4Ω, 70V/49Ω, 100V/100Ω	28.3V/4Ω, 70V/24.5Ω, 100V/50Ω
Input Sensitivity /Impedance		
MIC 1-3	1mV/20kΩ	
AUX	350mV/20kΩ	
AMP IN	1V/10kΩ	
Frequency Response		
MIC 1-3	100Hz - 12kHz	
AUX	60Hz - 15kHz	
AMP IN	150Hz - 12kHz	
THD	<1%	
Signal-to-Noise Ratio		
MIC 1-3	>60dB	
AUX	>75dB	
CD		
Type	Single Disc	
Frequency Response	20Hz - 20kHz	
THD	Less than 0.2%	
Cassette Deck		
Frequency Response	125Hz - 8kHz	
THD	Less than 2%	
GENERAL		
Power Source	100-120VAC or 220-240VAC	
Power Consumption	120W	230W
Weight	31.7lbs. 14.5kg	39.7lbs. 18kg
Dimensions (W x H x D)	17.3" x 7" x 15.4" 440mm x 177mm x 390mm	

PA-2100M/2200M Architects and Engineers Specifications

The mixer/amplifier shall be capable of 100W (PA-2100M) or 200W (PA-2200M) RMS output. An auto-reverse cassette deck shall provide record and playback capabilities. A mode switch shall allow selection of single side, auto-reverse or continuous playback functions. A CD/MP3 player shall also be provided. Inputs shall be provided for three microphones and two line level auxiliary inputs. Mic1 input shall be located on the front panel and shall feature priority voice activated muting of all other channels. All sources shall be fully mixable, with individual gain controls for each channel. A master volume control shall regulate the amplifier signal level. A five-band equalizer shall be provided to adjust the tonal balance. A front-panel chime button shall provide a four-tone signal for pre-announcement applications.

The chime shall mute all channels except Mic1. Line level pre-amp output (post-tone controls and premaster) and power amplifier input jacks normalized for a plug to break the internal pre-amp signal input to the amp shall provide for connection of external signal processing equipment. Speaker zone switches shall provide two selectable 75V/100V outputs. Front panel indicators shall indicate amplifier output level, as well as power-on indication.

The amplifier section shall meet the following performance criteria:

Total harmonic distortion shall be less than 1%; frequency response shall be 150Hz to 12kHz; and signal-to-noise ratio shall exceed 75dB. Input sensitivity and impedance shall be 1mV@20k Ω . for Mic 1-3 and 350mV@20k Ω . for Aux1/2.

The auto-reverse cassette deck shall meet the following performance criteria:

Frequency response shall be 125Hz to 8kHz and signal-to-noise ratio shall exceed 40dB.

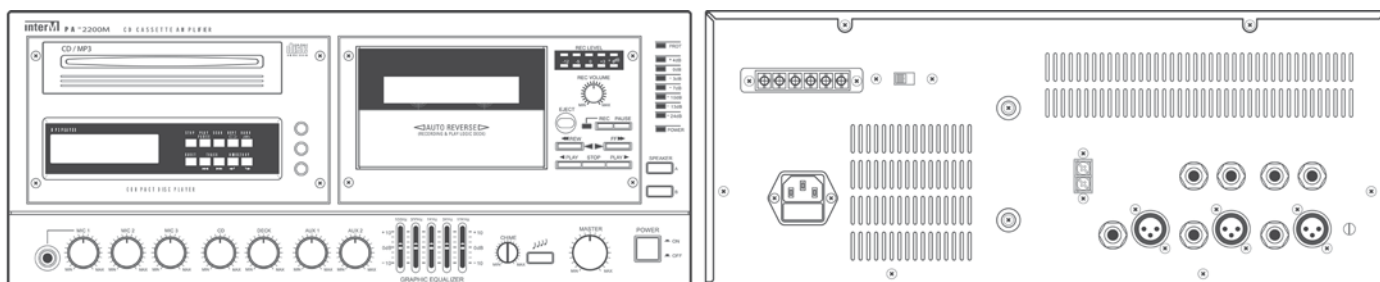
The CD/MP3 player shall meet the following performance criteria:

Total harmonic distortion shall be less than 0.2% and frequency response shall be 20Hz to 20kHz.

The mixer/amplifier shall measure 17.3"(440mm) wide x 7"(177mm) high x 15.4"(390mm) deep, and shall be shelf mounting. The power source shall be either 100-120VAC or 220-240VAC 50/60Hz (depending on country requirements). The power shall be controlled from a front-panel push-on/push-off switch, and indicated with a front-panel LED.

The mixer/amplifier shall be an Inter-M model PA-2100M/2200M.

PA-2100M/2200M Front and Rear Views



Inter-M Americas, Inc. • 1 E. Beacon Light Lane • Chester, PA 19013

Tel: 610-874-8870 • Fax: 610-874-8890 • E-mail: info@inter-m.net

Website: www.inter-m.net

Inter-M Corp. (Korea) • 653-5 Banghak-Dong • Dobong-Ku • Seoul • Korea

Tel: 82-2-2289-8140~8 • Fax: 82-2-2289-8149 • E-mail: export@inter-m.com

Website: www.inter-m.com