



L/H Version

A-2000 SERIES MIXER POWER AMPLIFIERS

A-2030/2060/2120/2240



***Offering high-end performance at affordable cost.
Think of TOA when you need amplifiers for
commercial audio applications.***

A-2000 Series Mixer Power Amplifiers

High cost-performance

- Suitable for commercial audio systems in schools, offices, shops, factories, houses of worship, and large meeting rooms
- Equipped with balanced mic. inputs for better isolation from external noise, compared to unbalanced inputs
- Improved durability compared with conventional TOA models

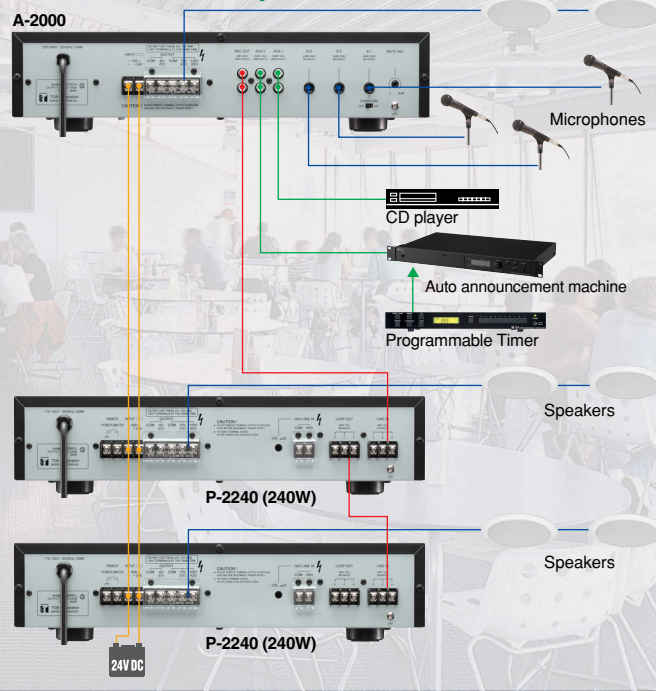
Flexibility

- A wide range of power outputs from 30W to 240W
- Offers a comfortable acoustic space thanks to tone control at bass and treble
- Both AC and DC operation possible
- Phantom power provided to MIC1, for supplying power to a condenser microphone

Easy to handle

- Scratch- and fingerprint-resistant front panel
- Easy and quick volume control with master volume knob

Connection Example



SPECIFICATIONS

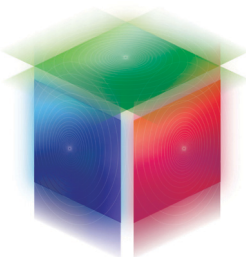
*0dB = 1V

Model No.	A-2030	A-2060	A-2120	A-2240	P-2240
Power Source	110 – 120V AC (L Version)/220 – 240V AC (H Version) or 24 – 30V DC				
Rated Output	30W	60W	120W	240W	240W
Power Consumption	34W (EN60065), 78W (AC operation at rated output), 2A (DC operation at rated output)	72W (EN60065), 150W (AC operation at rated output), 4A (DC operation at rated output)	124W (EN60065), 260W (AC operation at rated output), 8A (DC operation at rated output)	238W (EN60065), 520W (AC operation at rated output), 15A (DC operation at rated output)	238W (EN60065), 520W (AC operation at rated output), 15A (DC operation at rated output)
Frequency Response	50 – 20,000Hz (±3dB)				
Distortion	Under 1% at 1kHz, 1/3 rated power				
Input	MIC 1 – 3: -60dB*, 600Ω, electronically balanced, phone jack AUX 1, 2: -20dB*, 10kΩ, unbalanced, RCA pin jack				Line in: 0dB*, 10kΩ, balanced, screw terminal 100V line in: 40dB*, 330kΩ, unbalanced, screw terminal Power remote control: Make contact
Output Loop out	—	—	—	—	0dB*, 10kΩ, balanced, screw terminal
Speaker out	Balanced (floating)	Balanced (floating)	Balanced (floating)	Balanced (floating)	Balanced (floating)
High impedance	330Ω (100V), 170Ω (70V)	170Ω (100V), 83Ω (70V)	83Ω (100V), 42Ω (70V)	42Ω (100V), 21Ω (70V)	42Ω (100V), 21Ω (70V)
Low impedance	4Ω (11V)	4Ω (15.5V)	4Ω (22V)	4Ω (31V)	4Ω (31V)
Rec. out	0dB*, 600Ω, unbalanced, RCA pin jack	0dB*, 600Ω, unbalanced, RCA pin jack	0dB*, 600Ω, unbalanced, RCA pin jack	0dB*, 600Ω, unbalanced, RCA pin jack	—
Phantom Power	DC +21V (MIC 1)				
S/N Ratio	Over 60dB				
Ventilation	—			Fan cooling	
Tone Control	Bass: ±10dB at 100Hz/Treble: ±10dB at 10kHz				
Muting	MIC 1: Mutes other input signals by 0 – 30dB attenuation				—
Indicator	Power, signal, peak				
Finish	Panel: ABS resin, black/Case: Steel plate, black				
Dimensions	420 (W) × 100.9 (H) × 280.3 (D)mm		420 (W) × 100.9 (H) × 360.3 (D)mm		420 (W) × 100.9 (H) × 351.3 (D)mm
Weight	5kg	7kg	10.8kg	13.2kg	13.2kg



P-2240 Booster Amplifier (240W)

The P-2240 offers a high performance-to-cost ratio, and can be used with TOA's A-2000 Series mixer power amplifiers. Because the P-2240 features a 100V line input, it can be connected to the speaker line from another amplifier. Also, the P-2240's power can be switched on and off by remote control, allowing it to be operated independently of the A-2000 Series. In case of emergency, the master volume can be bypassed to make emergency announcements (H version only).



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