

SPECIFICATIONS

*0dB=1V

Model No.	A-2030	A-2060	A-2120	A-2240	P-2240	
Power Source	220 – 240V AC or 24V 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: -60dB*, 600Ω, electronically balanced, 5-P DIN type MIC 2, 3: -60dB*, 600Ω, electronically balanced, phone jack AUX 1, 2: -20dB*, 10kΩ, unbalanced, RCA pin jack Mute: Contact Pin 4 – 5 Closure input (for MIC 1)				Line in: 0dB*, 10kΩ, balanced, screw terminal 100V line in: 40dB*, 330kΩ, unbalanced, screw terminal	
Output	Loop out Speaker out High impedance Low impedance Rec. out	----- Balanced (floating) 330Ω (100V), 170Ω (70V) 4Ω (11V)	----- Balanced (floating) 170Ω (100V), 83Ω (70V) 4Ω (15.5V)	----- Balanced (floating) 83Ω (100V), 42Ω (70V) 4Ω (22V)	----- Balanced (floating) 42Ω (100V), 21Ω (70V) 4Ω (31V)	0dB*, 10kΩ, balanced, screw terminal Balanced (floating) 42Ω (100V), 21Ω (70V) 4Ω (31V)
Phantom Power	DC +21V (MIC 1)					
S/N Ratio	Over 60dB					
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) x 100.9 (H) x 280.3 (D)mm		420 (W) x 100.9 (H) x 360.3 (D)mm		420 (W) x 100.9 (H) x 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.



A-2000 SERIES MIXER POWER AMPLIFIERS

A-2030/2060/2120/2240/P-2240

High Performance Amplifiers



A-2030/2060/2120/2240
Mixer Power Amplifiers



P-2240
Booster Amplifier

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

A-2000 Series Mixer Power Amplifiers are designed to be highly cost-effective solutions to the demands of PA applications. They offer high levels of performance and versatility and are especially well-suited for broadcasting paging and supplying background music in Schools, offices, shops, factories, mosques, churches and large meeting rooms.

Never Compromise.....
.....that's TOA.



Human Society with
Sound & Communication

TOA Corporation

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Specifications are subject to change without notice.



A-2000 Series Mixer Power Amplifiers

High cost-performance

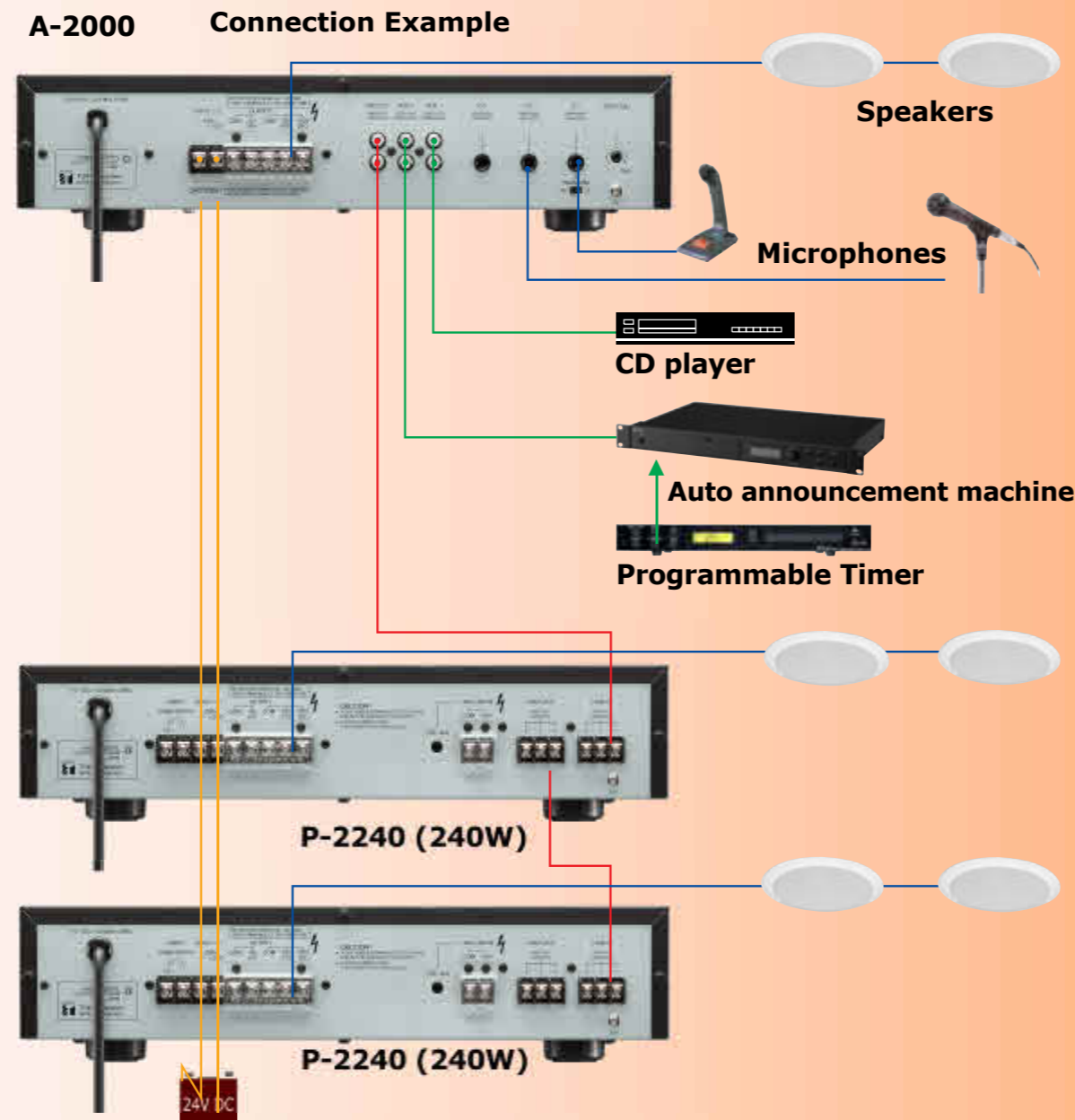
- Suitable for commercial audio systems in schools, offices, shops, factories, houses of worship, and large meeting rooms.
- Equipped with balanced mic. inputs for better isolation from external noise, compared to unbalanced inputs.
- Improved durability compared with conventional TOA models.

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 finish
- Easy and quick volume control with master volume control.



A-2000 Series Mixer Power Amplifiers are designed to be highly cost effective solutions to the demands of PA applications. They offer high levels of performance and versatility and are especially well-suited for broadcasting paging and supplying background music in schools, offices, shops, factories, mosques, churches, and large meeting rooms.

The A-2000 series makes available a wide range of power outputs (A-2030: 30W; A-2060: 60W; A-2120: 120W; A-2240: 240W), with a frequency response of 50 – 20,000 Hz and distortion under 1%. Three balanced/phone jack MIC inputs and two unbalanced/RCA pin jack AUX inputs, along with high and low impedance balanced (floating) speaker outputs and unbalanced REC outputs ensure operational versatility.

Phantom power and muting are available on MIC 1, along with tone control for bass and treble. Power, signal and peak indicators are provided. In addition, the P-2240 Booster Amplifier offers a means of increasing power amplification for system expansion through adding more speakers.

- A full lineup of 2-unit size amplifiers offering a wide range of power outputs from 30W to 240W.
- Scratch and fingerprint-resistant finish.
- Easy and quick volume control with master volume knob.
- Three electronically balanced microphone inputs, two AUX inputs and recording output.
- Phantom power is provided to MIC 1, for supplying power to a condenser microphone.
- Broad tone control adjustment range