



L/H Version

A-2000 SERIES MIXER POWER AMPLIFIERS

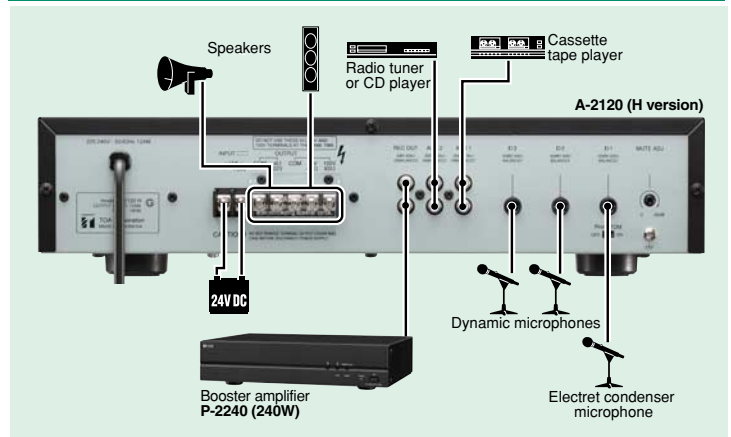


A wide choice of output power ratings and enhanced cost-effectiveness, for mixer power amplifiers that can handle a wide range of public address requirements at a remarkably low cost.

Features

- A full lineup of 2-unit size amplifiers offering a wide range of power outputs from 30W to 240W.
- Frequency Response: 50 Hz – 20,000 Hz.
- Three electronically balanced microphone inputs (± 10 dB at 100 Hz and 10 kHz), 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 of ± 10 dB for both bass and treble.
- Improved cost-performance level compared with conventional TOA models.

Typical Connections



Specifications

Model No.	A-2030	A-2060	A-2120	A-2240	
Power Source	110 – 120V AC (L Version)/220 – 240V AC (H Version) or 24 – 30V DC				
Rated Output	30W	60W	120W	240W	
Power Consumption	78W (AC operation at rated output), 2A (DC operation at rated output)	150W (AC operation at rated output), 4A (DC operation at rated output)	260W (AC operation at rated output), 8A (DC operation at rated output)	520W (AC operation at rated output), 15A (DC operation at rated output)	
Frequency Response	50 – 20,000Hz (± 3 dB)				
Distortion	Under 1% at 1kHz, 1/3 rated power				
Input	MIC 1 – 3 AUX 1, 2 -60dB*, 600 Ω , balanced, phone jack -20dB*, 10k Ω , unbalanced, RCA pin jack				
Output	Speaker out High impedance Low impedance Rec. out	Balanced (floating) 330 Ω (100V), 170 Ω (70V) 4 Ω (11V) 0dB*, 600 Ω , unbalanced, RCA pin jack	Balanced (floating) 170 Ω (100V), 83 Ω (70V) 4 Ω (15.5V) 0dB*, 600 Ω , unbalanced, RCA pin jack	Balanced (floating) 83 Ω (100V), 42 Ω (70V) 4 Ω (22V) 0dB*, 600 Ω , unbalanced, RCA pin jack	Balanced (floating) 42 Ω (100V), 21 Ω (70V) 4 Ω (31V) 0dB*, 600 Ω , unbalanced, RCA pin jack
Phantom Power	DC +21V (MIC 1)				
S/N Ratio	Over 60dB				
Tone Control	Bass Treble ± 10 dB at 100Hz ± 10 dB 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 (W x H x D)	420 x 100.9 x 280.3mm (16.54" x 3.97" x 11.04")		420 x 100.9 x 360.3mm (16.54" x 3.97" x 14.19")		
Weight	5kg (11.02 lb)	7kg (15.43 lb)	10.8kg (23.81 lb)	13.2kg (29.1 lb)	

*0dB = 1V

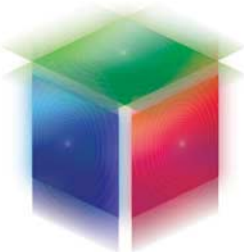
P-2240 Booster Amplifier (240W)



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).

Power Source	110 – 120V AC (L Version)/220 – 240V AC (H Version) or 24 – 30V DC
Rated Output	240W
Power Consumption	520W (AC operation at rated output), 15A (DC operation at rated output)
Frequency Response	50 – 20,000Hz (± 3 dB)
Distortion	Under 1% at 1kHz, 1/3 rated power
Input	Line in: 0dB*, 10k Ω , balanced, screw terminal 100V line in: 40dB*, 330k Ω , unbalanced, screw terminal Power remote control: Make contact
Output	Loop out: 0dB*, 10k Ω , balanced, screw terminal Speaker out: Balanced (floating) High impedance: 42 Ω (100V), 21 Ω (70V) Low impedance: 4 Ω (31V)
S/N Ratio	Over 60dB
Tone Control	Bass: ± 10 dB at 100Hz/Treble: ± 10 dB at 10kHz
Indicator	Power. signal, peak
Ventilation	Fan cooling
Finish	Panel: ABS resin, black/Case: Steel plate, black
Dimensions (W x H x D)	420 x 100.9 x 351.3mm (16.54" x 3.97" x 13.83")
Weight	13.2kg (29.1 lb)

*0dB = 1V



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Specifications are subject to change without notice.
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