



# ***ZA-2000MPU SERIES***

***MIXER POWER AMPLIFIER  
WITH MP3 PLAYER***

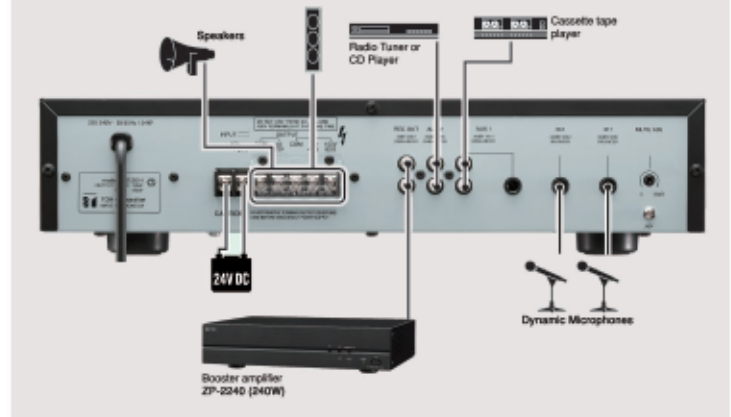


*Offering High-End Performance  
at Affordable Cost*

## Features

- A full lineup of 2-unit size amplifiers offering a wide range of power outputs from 120W & 240W
- Frequency Response : 50 Hz - 20,000 Hz.
- Two electronically balanced microphone inputs (  $\pm 10$  dB at 100 Hz and 10 kHz ), two AUX inputs and recording output
- Broad tone control adjustment range of  $\pm 10$  dB for both bass and treble
- Improved cost-performance level compared with conventional TOA models.

## Typical Connections



## Specifications

Model No.	ZA-2120 MPU	ZA-2240 MPU
Power Source	220 - 240V AC or 24 - 30V DC	
Rated Output	120W	240W
Power Consumption	124W (AC operation at rated output) 8A (DC operation at rated output)	238W (AC operation at rated output) 15A (DC operation at rated output)
Frequency Response	50 - 20,000 Hz, $\pm 3$ dB	
Distortion	Under 1% at 1kHz, 1/3 Power Rated	
Input	MIC 1 - 3 AUX 1, 2 -60dBV (1.0mV), 600 $\Omega$ , Balanced, Phone Jack -20dBV (100mV), 10k $\Omega$ , Unbalanced, Phone Jack, RCA Pin Jack	
Output	Speaker Out High impedance Low impedance Rec. out	Balanced (Floating) 83 $\Omega$ (100V), 42 $\Omega$ (70V) 4 $\Omega$ (22V) 0dBV (1.0V) 600 $\Omega$ Unbalanced, RCA Pin Jack
Weight	10.8 kg	13.2 kg
S/N Ratio	Over 60dB	
Tone Control	Bass Treble $\pm 10$ dB at 100Hz $\pm 10$ dB at 10kHz	
Muting	MIC 1 : Mutes other input signals by 0 - 30dB attenuation	
Indicator	LED Power, LED Signal, LED Peak	
Finish	Panel : ABS Resin, Black / Case : Steel plate, Black	
Dimensions (W x H x D)	420 (W) x 101 (H) x 360 (D) mm	
MP3 Player	USB Slot & SD Card Slot	

\*0dB = 1V

## ZP-2240 Booster Amplifier (240W)



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

Power Source	220 - 240V AC or 24 - 30V DC
Rated Output	240W
Power Consumption	520W (AC Operation), 238W (at 1/8 Power), 15A (DC Operation)
Frequency Response	50 - 20,000Hz ( $\pm 3$ dB)
Distortion	Under 1% at 1kHz, 1/3 rated power
Input	Line in : 0dB, 10k $\Omega$ , balanced, screw terminal 100V line in : 40dB, 330k $\Omega$ , unbalanced, screw terminal Power remote control : Make contact
Output	Loop out : 0dB, 10k $\Omega$ , balanced, screw terminal Speaker out : Balanced (floating) High impedance : 42 $\Omega$ (100V), 21 $\Omega$ (70V) Low impedance : 4 $\Omega$ (31V)
S/N Ratio	Over 60dB
Tone Control	Bass : $\pm 10$ dB at 100Hz / Treble : $\pm 10$ 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	13.2 kg (29.1 lb)

\*0dB = 1V

\* Specification are subject to change without notice for improvement