



# BG-220/235/BA-235/260 PA AMPLIFIER



***Introducing a new standard of excellence for  
BGM applications.***

# Affordable new solutions for

## **TOA's new performance-oriented, cost-effective amplifiers.**

The new BG/BA Series of mixer/amplifiers represent ideal solutions for the most requested user requirements. The combination of proven TOA reliability and quality with the most essential features and functions required for paging, music distribution and music-on-hold applications provide more cost-effectiveness than before in economical packages. Together with fast set-up capability and easy installation, the new BG Series are the best choice for a variety of environments from meeting rooms to restaurants and retail stores.

## **Incorporating TOA's no-compromise technology.**

The new BG/BA Series are designed to provide the high performance and audio quality long associated with TOA products. Boasting a wide frequency response, vanishingly low noise and distortion and with stable output regulation, the new BG Series are also remarkably easy to install and configure as they are fitted with removable terminal blocks.



## **Applications**

The new BG/BA Series is tailor-made for BGM distribution with its high performance, reliability and affordability.

Best choice for installations in restaurants, retail stores, fast food outlets, bars, lounges, cafes, classrooms, meeting rooms and similar mid-sized locations.



# specific BGM requirements.



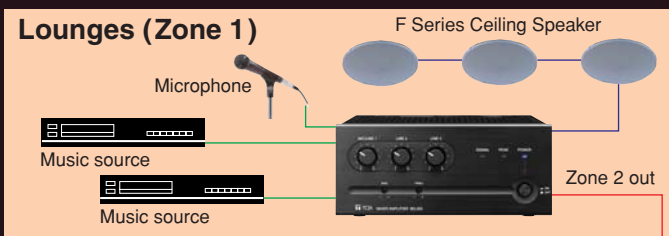
## BG-220/235

- All inputs/ outputs have removable terminal blocks for quick and easy installation.
- Rear panel-mounted DIP switches allow easy settings.
- 3 line inputs, 1 is mic/line switchable, while 2 and 3 are equipped with RCA pin jacks.
- Recessed tamper-proof bass and treble controls preserve system settings.
- Provides auto/manual mute function with adjustable muting sensitivity.
- 2-channel broadcast system capability together with zone 2 expansion capability in conjunction with BA-200 Series.
- Any of the 3 inputs assignable to MOH/ZONE 2 out

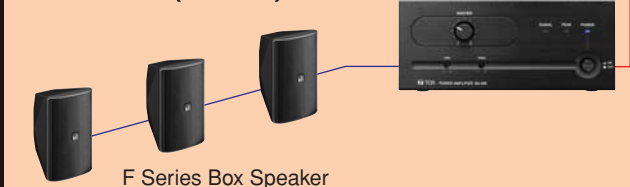


## BA-235/260

- Targets simple BGM applications using a single audio source without paging or MOH requirements.
- Remote master volume control.
- RCA pin jack line input.



### Restaurant (Zone 2)



## BG/BA Series common features

- Thermal protection circuits shut down to protect system should overheating occur.
- Accessory security knobs for volume control prevent unauthorized volume setting changes.
- Rack-mount kit options.
- UL/cUL listed.
- Five Year Warranty.

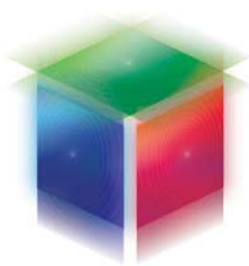
# SPECIFICATIONS

Model No.	BG-220		BG-235	
Power Source	120 V AC, 60 Hz			
Rated Output	20 W		35 W	
Power Consumption	60 W (rated output), 36 W (based on cULus standards)		90 W (rated output), 55 W (based on cULus standards)	
Frequency Response	50 Hz – 20k Hz			
Total Harmonic Distortion	0.5% or less, at 1 kHz, rated output			
Input	Mic.: –60 dB*/Line 1: –10 dB* Mic/Line 1 selectable, 600 $\Omega$ , electronically balanced, removable terminal block Line 2, 3: –10 dB*, 10 k $\Omega$ , unbalanced, removable terminal block or RCA jack			
Output	Speaker	4 $\Omega$ , 25 V (31 $\Omega$ ) and 70 V (245 $\Omega$ ) balanced, removable terminal block	4 $\Omega$ , 25 V (18 $\Omega$ ) and 70 V (140 $\Omega$ ) balanced, removable terminal block	
	MOH	0 dB*, 600 $\Omega$ , balanced, removable terminal block		
	Line	0 dB*, 600 $\Omega$ , unbalanced, removable terminal block		
Output Regulation	2 dB or less, no load to full load (1k Hz)			
S/N Ratio	Mic/Line 1: 60 dB or more/Line 2, 3: 80 dB or more (Band Pass: 20 Hz – 20 kHz, Tone Controls: Centered)			
Tone Control	Bass: $\pm$ 10 dB at 100 Hz, Treble: $\pm$ 10 dB at 10k Hz			
Control	Mic/Line 1 gain control, Line 2 gain control, Line 3 gain control, Bass tone control, Treble tone control, MOH out gain control, Mute control (Manual mute), Mute sense control, Auto mute switch (Mic/Line 1), Mic/Line 1 selector switch, Mute receive switch (Line 2, 3), MOH assign switch (Mic/Line 1, Line 2, 3), Power ON/OFF switch			
Indicator	Power LED, Signal level LED, Peak LED			
Other Feature	Automatic electronic drive limiter			
Operating Temperature	0°C to 40 °C (32°F to 104 °F)			
Operating Humidity	35 % to 80 % RH (no condensation)			
Finish	Panel: ABS resin, black/Case: Steel plate, black, paint			
Dimensions	210 (W) $\times$ 94.3 (H) $\times$ 265 (D)mm (8.27" $\times$ 3.71" $\times$ 10.43")			
Weight	3.5 kg (7.72 lb)		4 kg (8.82 lb)	
Accessory	Volume control cover: YA-920 $\times$ 3, Removable terminal plug (2 pins) $\times$ 3, Removable terminal plug (3 pins) $\times$ 1, Removable terminal plug (4 pins) $\times$ 1, Removable terminal plug (5 pins) $\times$ 1			
Option	Rack mounting brackets: MB-25B-BK, MB-25B-J			

\*0dB = 1V

Model No.	BA-235		BA-260	
Power Source	120 V AC, 60 Hz			
Rated Output	35 W		60 W	
Power Consumption	90 W (rated output), 52 W (based on cULus standards)		130 W (rated output), 66 W (based on cULus standards)	
Frequency Response	50 Hz – 20k Hz			
Total Harmonic Distortion	0.5% or less, at 1k Hz, rated output			
Input	Line input: 0 dB*/-4 dB* (selectable), 10k $\Omega$ , unbalanced, removable terminal block or RCA jack			
Output	Speaker	4 $\Omega$ , 25 V (18 $\Omega$ ) and 70 V (140 $\Omega$ ), balanced, removable terminal block	4 $\Omega$ , 25 V (10 $\Omega$ ) and 70 V (83 $\Omega$ ) balanced, removable terminal block	
	Bridge	Parallel in Line input, removable terminal block		
Output Regulation	2 dB or less, no load to full load (1k Hz)			
S/N Ratio	80 dB or more (Band Pass: 20 Hz – 20k Hz, Tone Controls: Centered)			
Tone Control	Bass: $\pm$ 10 dB at 100 Hz, Treble: $\pm$ 10 dB at 10k Hz			
Control	Master gain control, Bass tone control, Treble tone control, Input level selector switch, Remote Volume control, Power ON/OFF switch			
Indicator	Power LED, Signal level LED, Peak LED			
Other Feature	Automatic electronic drive limiter			
Operating Temperature	0°C to 40 °C (32°F to 104 °F)			
Operating Humidity	35 % to 80 % RH (no condensation)			
Finish	Panel: ABS resin, black/Case: Steel plate, black, paint			
Dimensions	210 (W) $\times$ 94.3 (H) $\times$ 265 (D)mm (8.27" $\times$ 3.71" $\times$ 10.43")			
Weight	4 kg (8.82 lb)		4.6 kg (10.14 lb)	
Accessory	Volume control cover: YA-920 $\times$ 1, Removable terminal plug (2 pins) $\times$ 3, Removable terminal plug (4 pins) $\times$ 1			
Option	Rack mounting brackets: MB-25B-BK, MB-25B-J			

\*0dB = 1V



**Human Society with  
Sound & Communication**

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Specifications are subject to change without notice.  
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