



BG-2035/2060/2120/2240D-AM

Mixer Amplifier



A new standard of excellence for BGM applications.

Affordable solutions for

TOA's performance-oriented, cost-effective amplifiers.

The BG-2000 Series of mixer/amplifiers have been designed to meet the requirements that users most request. Utilizing TOA's technological expertise and total reliability in cost-effective amplifier designs with the most useful features and functions has created an amplifier series ideal for paging, music distribution and music-on-hold applications. These advantages along with quick setup and easy installation capability make the BG Series ideal for use in a wide range of environments from meeting rooms to restaurants and retail stores.

Incorporating TOA's no-compromise technology.

The BG-2000 Series incorporate all the performance and audio quality that TOA amplifiers are known for, such as an extended frequency response, high S/N ratios and minimal distortion. Output regulation is also ultra-stable. In addition, the BG-2000 Series is equipped with removable terminal blocks making them easy to install and configure in a system.

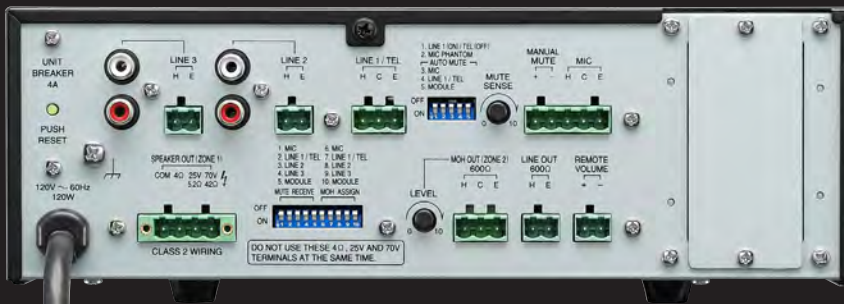


Applications

The 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.

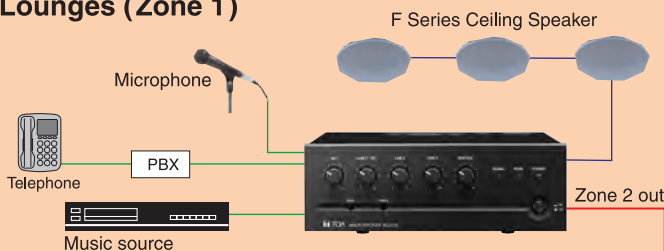


BG-2035/2060/2120/2240D-AM

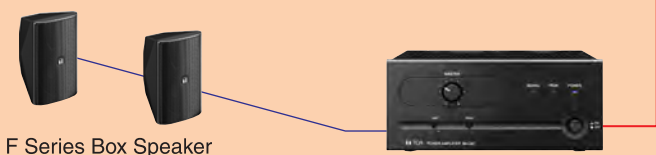
- Compact five channel Mixer Amplifier for paging, background/foreground music distribution and music/messaging-on-hold.
- All inputs/outputs have removable terminal blocks for quick and easy installation.
- Phantom Power (+ 24V DC) incorporated for MIC input.
- 3 line inputs, with Line 1 line/tel switchable, while Line 2 and 3 are equipped with RCA pin jacks.
- Module slot accepts 900 Series input plug-in modules for custom system configurations.
- 2-channel broadcast system capability together with zone 2 expansion capability (when used with BA-200 Series).
- Any of 5 inputs assignable to MOH/ZONE 2 out on the BG-2035/2060/2120/2240D-AM to fulfill specific BGM requirements.
- Rear panel-mounted DIP switches allow easy settings.
- Tamper-proof, front-panel bass and treble controls are recessed to protect their settings.
- Auto/manual mute function with adjustable muting sensitivity.
- Incorporates Remote volume control connection.
- BG-2240D-AM: Class D 240W @ 70V Amplifier



Lounges (Zone 1)



Restaurant (Zone 2)



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.

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

*0dB = 1V

		BG-2035	BG-2060	BG-2120	BG-2240D-AM
Power Source		120 V AC, 60 Hz			
Rated Output		35 W	60 W	120 W	240 W
Power Consumption		94 W (rated output), 50 W (based on cULus standards)	163 W (rated output), 80 W (based on cULus standards)	265 W (rated output), 120 W (based on cULus standards)	300 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			0.8% or less, at 1 kHz, 1/3 rated output, LPF 20KHz
Input		Mic: -60dB*, 600Ω, electronically balanced, removable terminal block Line 1: -10 dB*/TEL: -20 dB* Line 1/TEL: selectable, 10kΩ, electronically balanced, removable terminal block Line 2, 3: -10 dB*, 10 kΩ, unbalanced, removable terminal block or RCA jack Module			
Output	Speaker	4 Ω, 25 V (18Ω), 70 V (140Ω) balanced, removable terminal block	4 Ω, 25 V (10Ω), 70 V (83Ω) balanced, removable terminal block	4 Ω, 25 V (5.2Ω), 70 V (42Ω) balanced, removable terminal block	70 V (21Ω) balanced, removable terminal block
	MOH	0 dB*, 600 Ω, balanced, removable terminal block			
	Line	0 dB*, 600 Ω, unbalanced, removable terminal block			
Output Regulation		2 dB or less, no load to full load (1k Hz)			
Phantom Power		On/Off switch for Mic,+24V DC			
S/N Ratio		Mic: 60 dB or more, Line 1/TEL, Line 2, 3, Module: 75 dB or more (Band Pass: 20 Hz – 20 kHz, Tone Controls: Centered)			Mic: 60 dB or more, Line 1/TEL, Line 2, 3, Module: 73 dB or more (A-weighted, Tone Controls: Centered)
Tone Control		Bass: ±10 dB at 100 Hz, Treble: ±10 dB at 10k Hz			
Muting		Manual mute/Automatic mute			
Control		Mic gain control, Line 1/TEL gain control, Line 2 gain control, Line 3 gain control, Module: gain control, Bass tone control, Treble tone control, MOH out gain control, Mute control (Manual mute), Remote volume control, Mute sense control, Line 1/TEL selector switch, Phantom power switch (Mic), Auto mute switch (Mic, Line 1/TEL, Module), Mute receive switch (Mic, Line 1/TEL, Line 2, 3, Module), MOH assign switch (Mic, Line 1/TEL, Line 2, 3, Module), Power ON/OFF switch			
Indicator		Power LED, Signal level LED, Peak LED			
Operating Temperature		0 °C to 40 °C (32 °F to 104 °F)			
Finish		Panel: ABS resin, black; Case: Steel plate, black, paint			
Dimensions		264 (W) × 94.3 (H) × 267.3 (D) mm (10.39" × 3.71" × 10.52")			
Weight		5.3 kg (11.68 lb)		6 kg (13.23 lb)	3.5 kg (7.72 lb)
Accessory		Volume control cover: YA-920 × 5, Removable terminal plug (2 pins) × 4, Removable terminal plug (3 pins) × 2, Removable terminal plug (4 pins) × 1, Removable terminal plug (5 pins) × 1			
Option		Rack mounting brackets: MB-1000			

		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 1 kHz, rated output	
Input		Line input: 0 dB*/+4 dB* (selectable), 10k Ω, unbalanced, removable terminal block or RCA jack	
Output	Speaker	4 Ω, 25 V (18Ω), 70 V (140Ω) balanced, removable terminal block	4 Ω, 25 V (10Ω), 70 V (83Ω) 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: ±10 dB at 100 Hz, Treble: ±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	
Operating Temperature		0°C to 35 °C (32°F to 95 °F)	
Finish		Panel: ABS resin, black; Case: Steel plate, black, paint	
Dimensions		210 (W) × 94.3 (H) × 265 (D)mm (8.27" × 3.71" × 10.43")	
Weight		4 kg (8.82 lb)	4.6 kg (10.14 lb)
Accessory		Volume control cover: YA-920 × 1, Removable terminal plug (2 pins) × 3, Removable terminal plug (4 pins) × 1	
Option		Rack mounting brackets: MB-25B-BK, MB-25B-J	