



BG SERIES

MIXER/ AMPLIFIERS: BG-115 BG-130

THE TOA BG SERIES

MIXER/AMPLIFIERS are ideal for a wide variety of installed sound applications such as paging, music distribution and messaging-on-hold. Engineered with proven TOA quality and reliability, the BG Series is simple to install and operate, saving you time and money.

The BG Series features two models, BG-115 (15 W) and BG-130 (30 W), each with one paging input for microphone or telephone (MIC/TEL) and two auxiliary inputs (AUX/PGM) for music or other line-level sources.

A Music-On-Hold (MOH) output receives only uninterrupted AUX/PGM channels and is adjustable from line-level to 1 W/8 ohms to accommodate a variety of telephone system paging outputs.

An Auto-Mute function permits MIC/TEL or switch-activated override of the AUX/PGM channels without interrupting the MOH output.

Accessories include optional rack and wall-mount kits and volume control security knobs to protect settings.

The BG Series is UL and cUL listed with competitive pricing and a five year warranty.



HIGHLIGHTS

- **Compact Three Channel Mixer/ Amplifiers** for paging, music distribution and messaging-on-hold.
- **Proven TOA Quality and Reliability**
- **Engineered for High Performance** with wide frequency response, very low noise and distortion, and excellent output regulation.
- **Two Models:**
BG-115 (15 W), BG-130 (30 W)
- **25 V, 70 V and 4 Ohm Speaker Outputs** with screw terminal connector and protective cover plate.
- **Microphone/Telephone Paging Input** (switchable), balanced, transformer-isolated, with screw-terminal connector and switchable 600/10k ohm input impedance.
- **Program (PGM) Input**, balanced, screw-terminal connector.
- **Auxiliary (AUX) Input**, stereo-summing, dual RCA jacks.
- **Music-On-Hold (MOH) Output** adjustable from line-level to 1 W/8 ohms.
- **Internal Signal Routing Jumpers** for assigning AUX/PGM to main and/or MOH outputs.
- **Auto-Mute Function** allows voice-activated paging override of AUX/PGM without interrupting the MOH output.
- **External Mute Terminals** for activating mute function with external switch-closure.
- **Bass/Treble Tone Controls** affect only the AUX/PGM channels to the main speaker output.
- **Signal, Clip, and Power Indicators** provide unit status.
- **Rear Panel AC Convenience Outlet** with circuit breaker for powering external equipment.
- **Turn-On Delay** disconnects output during power-up.
- **Over-current and Thermal Protection Circuitry** prevents potential damage from overloads, short-circuit and overheating.
- **Optional Volume Control Security Knobs**
- **Optional Rack and Wall-Mount Kits**
- **UL / cUL Listed**
- **Five Year Warranty**

OPTIONAL ACCESSORIES

MB-25B-BK Rack-mount Kit (single, 2 RU)

MB-25B-J Rack-mount Kit (dual, 2 RU)

PF-511 Perforated Rack Panel (2 RU)

YA-920 Volume Control Security Knob

WB-900B Wall-mount Kit



BG SERIES MIXER/AMPLIFIERS

APPLICATIONS

A/V Rentals
 Airports
 Audio/Visual
 Auditoriums / Theatres
 Banks
 Bars / Lounges / Nightclubs
 Boardrooms
 Business Music
 Conference Facilities
 Convenience Stores
 Educational Facilities
 Fitness Clubs / Gymnasiums
 Hotels / Hospitality
 Houses of Worship
 Industrial / Warehouses
 Museums
 Music Distribution
 Offices
 Public Address
 Restaurants
 Retail Stores
 Theme Parks
 Training Rooms



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SPECIFICATIONS

Type	3-channel mixer/amplifier
Output Power	BG-115: 15 W RMS / BG-130: 30 W RMS
Frequency Response	50 Hz - 20k Hz (± 3 dB)
Total Harmonic Distortion	0.5% or less, at 1k Hz, rated output 0.1% or less, at 1k Hz, 5 W output
Inputs	Mic/Telephone (MIC/TEL) Page Input Program (PGM) Input Auxiliary (AUX) Input
Input Sensitivity & Impedance	Mic: 1 mV (-60 dBV), 600 Ω , balanced Telephone: 100 mV (-20 dBV), 10k Ω , balanced Program: 315 mV (-10 dBV), 10k Ω , electronically-balanced Auxiliary: 315 mV (-10 dBV), 10k Ω , unbalanced
Outputs	Main: Transformer isolated, balanced, 4 Ω , 25 & 70 V MOH: Balanced, 1 W at 8 Ω
Output Regulation (1k Hz)	Less than 2.0 dB, no load to full load
Signal-to-Noise Ratio (Band Pass: 20 Hz-20k Hz, with Tone Controls centered)	Mic: 60 dB Telephone: 75 dB Program: 75 dB Auxiliary: 75 dB
Tone Controls	Bass: ± 10 dB at 100 Hz Treble: ± 10 dB at 10k Hz Controls affect only Program and Auxiliary inputs
Indicators	Power, Signal, Peak LEDs
Power Consumption	BG-115: 50 W / BG-130: 90 W
Color	Black
Dimensions (W x H x D)	8.27" x 3.66" x 10.87" (210 mm x 93 mm x 276 mm)
Weight	BG-115: 7.28 lbs (3.3 kg) / BG-130: 8.60 lbs (3.9 kg)

Visit www.toaelectronics.com to download:

BG Series Architect and Engineering Specifications
 BG Series Installation Manual
 BG Series CAD Files