

Gold Seal Series Amplifiers

GS35, GS60, GS100,
GS150, & GS250



This amplifier series was designed with the sound contractor in mind, offering professional performance and installation convenience. Each Gold Seal amplifier offers a unique combination of built-in features, ultra-high reliability, and extensive input flexibility and input options.

Product Features:

- 35, 60, 100, 150, and 250 watt models
- 7 inputs: 4 MIC (Lo-Z), 1 AUX (Hi-Z), 1 MIC/TEL, 1 MIC/AUX
- 4-ohm, 8-ohm, 25V, 25VCT, and 70V outputs
- Dual-function, 10-band graphic equalizer (acoustic EQ/feedback control)
- True loudness contour function
- Aphex® Aural Exciter for improved intelligibility
- Automatic level control
- Switchable phantom power supply
- Variable Aux input muting
- Remote master volume control capability
- Input muting via contact on all inputs
- Voice-activated Aux muting on Tel input
- Aux fade back after Tel page
- Pre-amp out/power amp in connections
- Booster amp output connection
- Tape output connection
- Low-cut filter for Mic channels
- Thermal and overload protection
- 3-speed cooling fan (GS250 only)
- Rack-mountable w/ accessory mounting kit (2 rack spaces)
- UL and CSA listed

Dual Band EQ

The unique dual-function equalizer can be used for acoustic shaping or for feedback control.

• **Acoustic Shaping** - Full range equalization is provided for correcting general frequency response issues that exist in the application venue. The full audio spectrum is covered on 1-octave centers with a boost/cut of 12 dB. In this mode, the equalizer can be used to compensate for room acoustics, or to satisfy the listening preference of the user.

• **Feedback Control** - In this mode, the equalizer's control range is reduced to cover only the lower half of the audio spectrum (where feedback howls occur), but the individual filters are now on closer 2/3-octave spacing. This allows narrower bands of frequencies to be controlled, which is particularly useful to reduce feedback of live sources that can increase the effective loudness the system can achieve.

Variable Music Mute

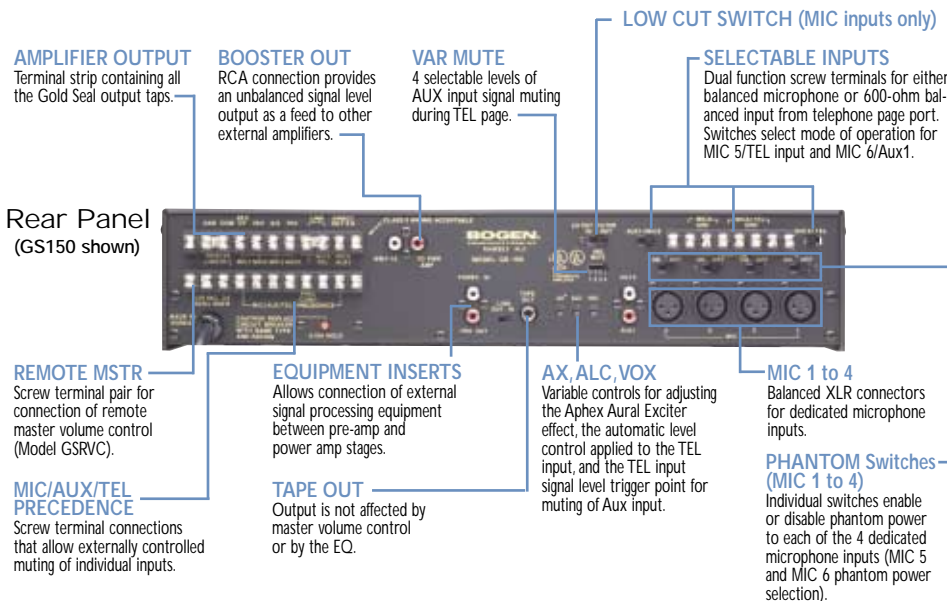
This feature allows control over the level of background music (fed though the Aux inputs) heard during a telephone page announcement. The convention used to be to completely mute background music during pages. The Gold Seal amplifiers provide full muting as well as no muting and intermediate attenuation levels of -10 dB and -21 dB. After the telephone page has ended, the background music smoothly fades back to its original level for a very professional sound.

Telephone Paging Control

Input 5 serves a dual function as either a balanced mic input or a 600-ohm balanced telephone input. The Tel input includes both voice-activated triggering for muting the AUX inputs and automatic level control for providing constant paging level. ALC compensates for different voice levels and speaking styles of the individuals using the system. Controls are provided on the rear of the amplifier to adjust trigger threshold of the voice-activated muting so that it will not falsely trigger from noise on the input. An ALC adjustment is also provided to allow control over the amount of compression applied to loud signals to keep them at a nominal signal level.

Aphex Aural Exciter

Crisp, clean, intelligible sound is the goal of every paging system. The Aphex® Aural Exciter circuit, which was originally developed for the recording industry, adds back the high frequency harmonics that are lost through the handsets and speakers. With one simple control, you can adjust the amount of high frequency content the Aphex circuit adds back until optimum intelligibility is reached.



Accessories



GSTRC
Tamper Resistant Cover



GSRPK
Rack Panel Mounting Kit



GSRVC
Remote Volume Control



WMT1A
Line-Matching Transformer

Technical Specifications, Dimensions, and Weights can be found on Page 67