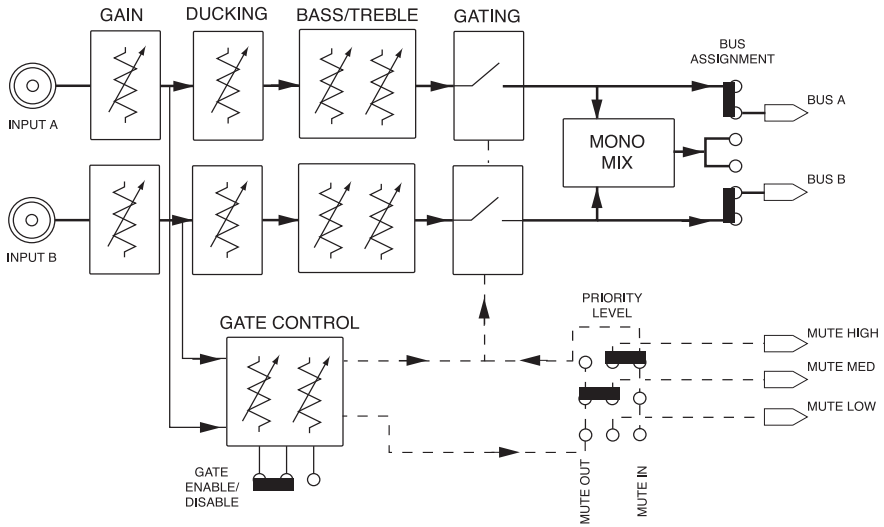
Block Diagram



LIMITED WARRANTY; EXCLUSION OF CERTAIN DAMAGES

The Bogen SAX1R Module is warranted to be free from defects in material or workmanship for three (3) years from the date of sale to the original purchaser. Any part of the product covered by this warranty that, with normal installation and use, becomes defective will be repaired or replaced by Bogen, at our option, provided the product is shipped insured and prepaid to: Bogen Factory Service Department, 50 Spring Street, Ramsey, NJ 07446, USA. The product will be returned to you freight prepaid. This warranty does not extend to any of our products that have been subjected to abuse, misuse, improper storage, neglect, accident, improper installation or have been modified or repaired or altered in any manner whatsoever, or where the serial number or date code has been removed or defaced.

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Products that are out of warranty will also be repaired by the Bogen Factory Service Department -- same address as above or call 201-934-8500. The parts and labor involved in these repairs are warranted for 90 days when repaired by the Bogen Factory Service Department. All shipping charges in addition to parts and labor charges will be at the owner's expense. All returns require a Return Authorization number.

7/22/2008

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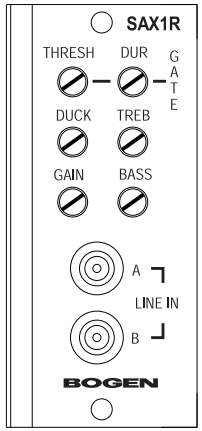

SAX1R

Stereo Aux Input Module

Features

- Gain/Trim control
- Bass and treble
- Audio Gating with threshold and duration adjustments
- Variable signal ducking when muted or gated
- Fade back from mute level
- 4 levels of available priority
- Can be muted from higher priority modules
- Can mute lower priority modules
- Stereo signal or mono summed signal operation

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54-2054-01C 0906
Specifications subject to change without notice.

Module Installation

1. Turn off all power to the unit.
2. Make all necessary jumper selections.
3. Position module in front of desired module bay opening, making sure that the module is right-side up.
4. Slide module on to card guide rails. Make sure that both the top and bottom guides are engaged.
5. Push the module in to the bay until the faceplate contacts the unit's chassis.
6. Use the two screws included to secure the module to the unit.

WARNING:
Turn off power to unit and make all jumper selections before installing module in unit.

Jumper Selections

Priority Level*

This module can respond to 4 different levels of priority. Priority 1 is the highest priority. It mutes modules with lower priorities and is never muted. Priority 2 can be muted by Priority 1 modules and mutes modules set for 3 or 4. Priority 3 is muted by either Priority 1 or 2 modules and mutes priority 4 modules. Priority 4 modules are muted by all higher priority modules.

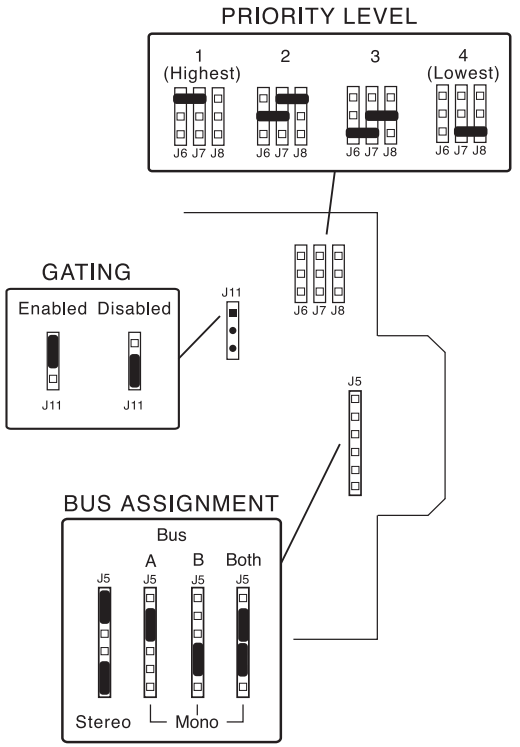
*The number of priority levels available is determined by the amplifier in which the modules are used.

Gating

Gating (turning off) of the module's output when insufficient audio is present at the input can be disabled. Detection of audio for the purpose of muting lower priority modules is always active regardless of this jumper setting.

Bus Assignment

This module can be set to operate in stereo mode, where input A audio is delivered only to the main unit's A channel, and likewise for the B input. Or, the module can be set to combine the stereo into a mono signal and make it available to all buses within the main unit.



Gate - Threshold (Thresh)

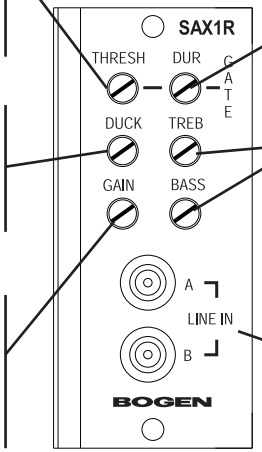
Controls the minimum necessary input signal level to turn on the module's output and apply mute signal to the main unit's buses. Clockwise rotation increases the necessary signal level required to produce output and mute lower priority modules.

Ducking (Duck)

Controls the level of the output signal from the module when it has been requested to mute/gate its' output. The range is adjustable from no reduction in level to full muting of the output signal.

Gain

Provides control over the level of input signal that can be applied to the internal signal buses of the main unit. Allows a way to balance the input levels of various devices so that the main unit controls can be set to relatively uniform or optimum levels.



Gate - Duration (Dur)

Controls the amount of time the output and mute signal of the module remains applied to the main unit's buses after the input signal falls below the required minimum signal level (set by the threshold control).

Bass & Treble (Treb & Bass)

Provides separate controls for Bass and Treble cut and boost. The Bass control affects frequencies below 100 Hz and Treble affects frequencies above 8 kHz. Clockwise rotation provides boost; counterclockwise rotation provides cut. Center position provides no affect.

Connections

Uses standard RCA connectors to make connections to the module's input. The inputs are quasi-balanced to reduce the chance of ground loops while still being compatible with unbalanced signal sources.

When assigned to separate buses, the "A" labeled input will feed signal to all "A" labeled controls and output on the main unit. Likewise for the "B" labeled controls.