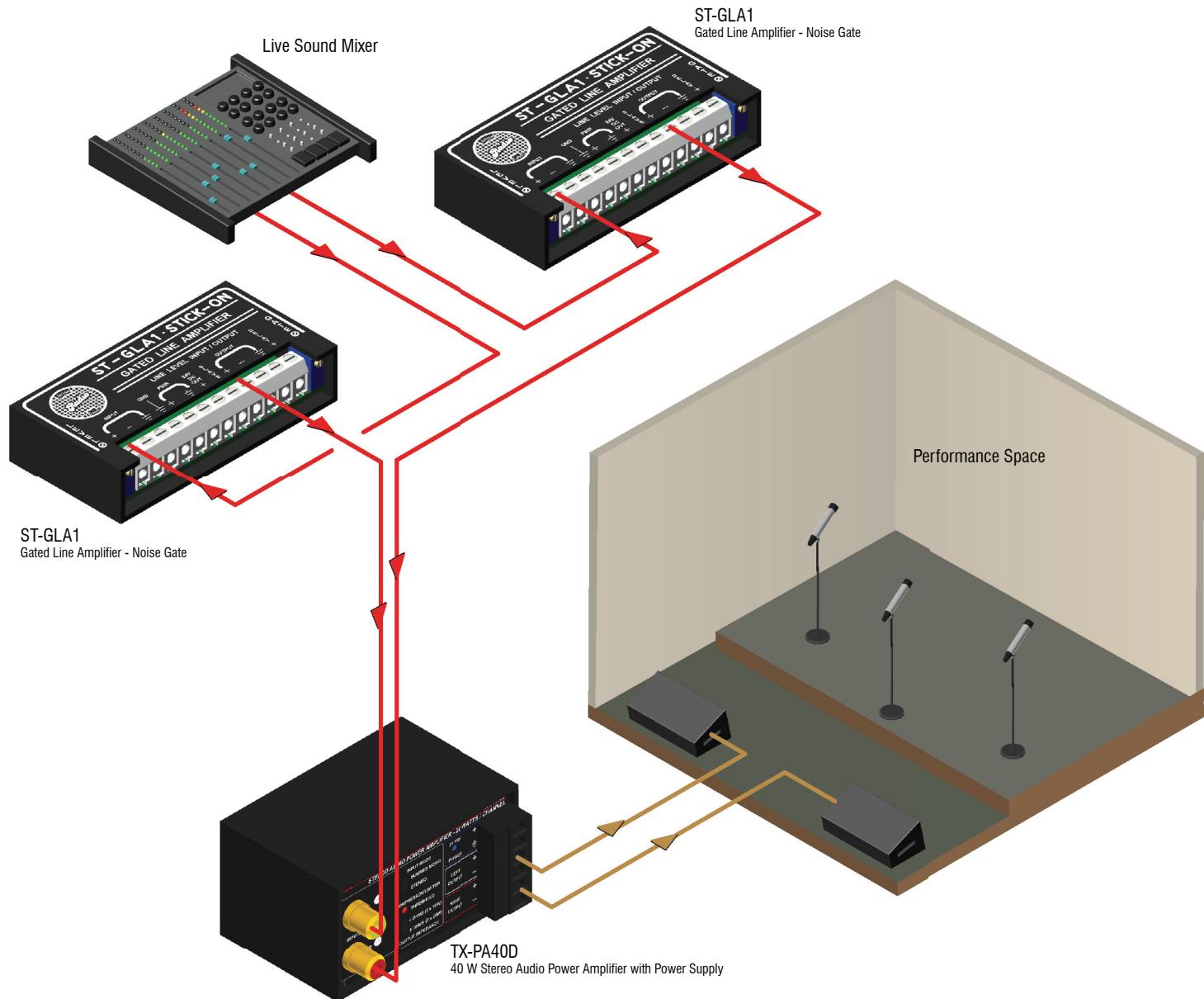


# STAGE MONITOR AUTOMATIC NOISE REDUCTION

Automatic Muting To Eliminate Unwanted Noise

**SYSTEMS  
SOLUTIONS** AN-2004



### Description:

Audio monitor speaker signals often contain unwanted noise that is distracting to performers between musical selections or when the monitors are not in use. Examples include ambient pickup from live microphones or hum from instruments. During these periods when performers are not actively listening to the monitors, the RDL ST-GLA1 (use 2 for stereo as shown) mutes the audio signal to the monitor amplifier(s). The muting threshold is adjusted on the module to activate the audio for valid signal levels. The monitors will be muted at all other times. This application may be used in installations using either fixed or portable monitor speakers. It is ideal for church choir monitors or any performance area using stage monitors.

The RDL TX-PA40D 40 W Stereo Audio Power Amplifier is shown in this system. RDL offers a wide range of power amplifiers for monitor and public address applications.



**RDL**  
Radio Design Labs

[www.rdlnet.com](http://www.rdlnet.com)

Parts List	
Product	QTY
ST-GLA1	2
TX-PA40D	1

Recommended Pwr. Supplies	
Product	QTY
PS-24AS 24 Vdc 500 mA	1
TX-PA40D POWER SUPPLY	1, Included

Line Color Key	
Red	Line Level Audio Signal
Brown	Loudspeaker Level
Purple	Control Signal
Yellow	Video
Blue	Mic Level Audio Signal
Green	Ground
Orange	Power
Dark Orange	Miscellaneous