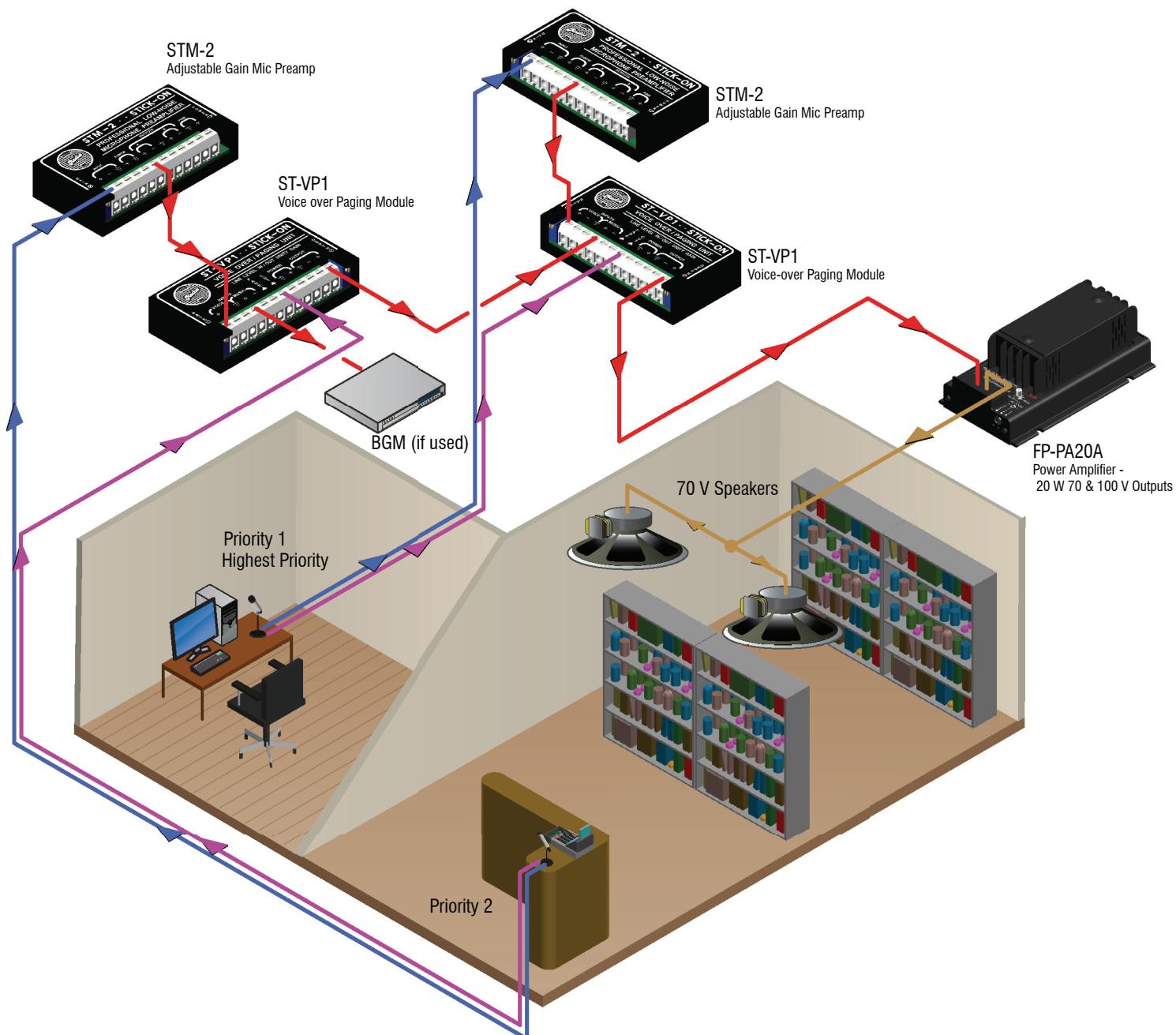


# PRIORITIZED PAGING

Voice-Over/Paging with Multiple Paging Locations

**SYSTEMS  
SOLUTIONS** AN-2041



## Description:

This application provides multiple paging locations, with priority assigned to each location. Each location has a mic with a PTT (push-to-talk) momentary pushbutton that provides external switching contacts. The STM-2 preamp for each microphone should be installed near the associated mic. Wiring between each STM-2 output and the corresponding ST-VP1 is balanced, connected with shielded or unshielded twisted-pair cable. When a PTT button associated with a microphone is depressed, the music fades down and paging becomes active. The highest priority mic overrides the lower priority mic(s). This arrangement may be carried out for an unlimited number of paging locations.

The FP-PA20A 20 Watt Power Amplifier feeding 70 Volt speakers is used in this example. RDL offers a wide range of power amplifiers for paging and public address applications.



**RDL**  
Radio Design Labs

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

Product	QTY
FP-PA20A	1
STM-2	2
ST-VP1	2

Product	QTY
PS-24AS 24 Vdc 500 mA	1
PS-24U2A 24 Vdc 2 A	1

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
Grey	Miscellaneous