PRIORITIZED PAGING
Voice-Over/Paging with Multiple Paging Locations

SYSTEMS SOLUTIONS

STM-2
Adjustable Gain Mic Preamp

STM-2
Adjustable Gain Mic Preamp

ST-VP1
Voice over Paging Module

ST-VP1
Voice-over Paging Module

FP-PA20A
Power Amplifier -
20 W 70 & 100 V Outputs

BGM (if used)

70 V Speakers

Priority 1
Highest Priority

Priority 2

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.

Parts List	
Product	**QTY**
FP-PA20A	1
STM-2	2
ST-VP1	2

Recommended Pwr. Supplies	
Product	**QTY**
PS-24V3A 24 Vdc 3 A	1

Line Color Key
- ▬ Line Level Audio Signal
- ▬ Loudspeaker Level
- ▬ Control Signal
- ▬ Video
- ▬ Mic Level Audio Signal
- ▬ Ground
- ▬ Power
- ▬ Miscellaneous

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