



Description:

This application provides multiple paging locations, with priority assigned to each location. Each location has a mic equipped with a PTT (push-to-talk) momentary pushbutton. The STM-2 preamp for each microphone should be installed near the associated mic. Wiring between each STM-2 output and the corresponding ST-VP2 is balanced, connected with shielded or unshielded twisted-pair cable. When any microphone is used, 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-VP2	2

Recommended Pwr. Supplies

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

Note: If an STM-2 Mic Preamp is located separate from the other modules, it may be powered by locally using an additional PS-24AS.

Line Color Key

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