



Description:
In this application several RDL modules are used to create a multiple priority paging system. A local audio source can be overridden by an Emergency Alert System (EAS). Either source is overridden by the School Wide Paging source.

The local source from the laptop is fed into a DS-CIJ3 input plate to provide a balanced mono output to the "Music" input of an ST-VP1 Voice-Over Paging Module and passes thru the unit under normal operating conditions. The EAS line level audio is fed to the "Voice" input on the ST-VP1. A contact closure from the EAS receiver causes the ST-VP1 to switch from the "Music" audio input to the "Voice" audio input.

The output of the first ST-VP1 will feed the "Music" input of a second ST-VP1 to allow override by the highest priority source. An RDL STM-2 mic preamp provides the line level signal to the "Voice" input of the second ST-VP1. PTT contacts switch from the "Music" input to the "Voice" input to give this microphone the highest priority. The output of the second ST-VP1 feeds RDL's FP-PA20A 70 V amplifier and associated 70 V loudspeakers.

Parts List

Product	QTY
DS-CIJ3	1
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