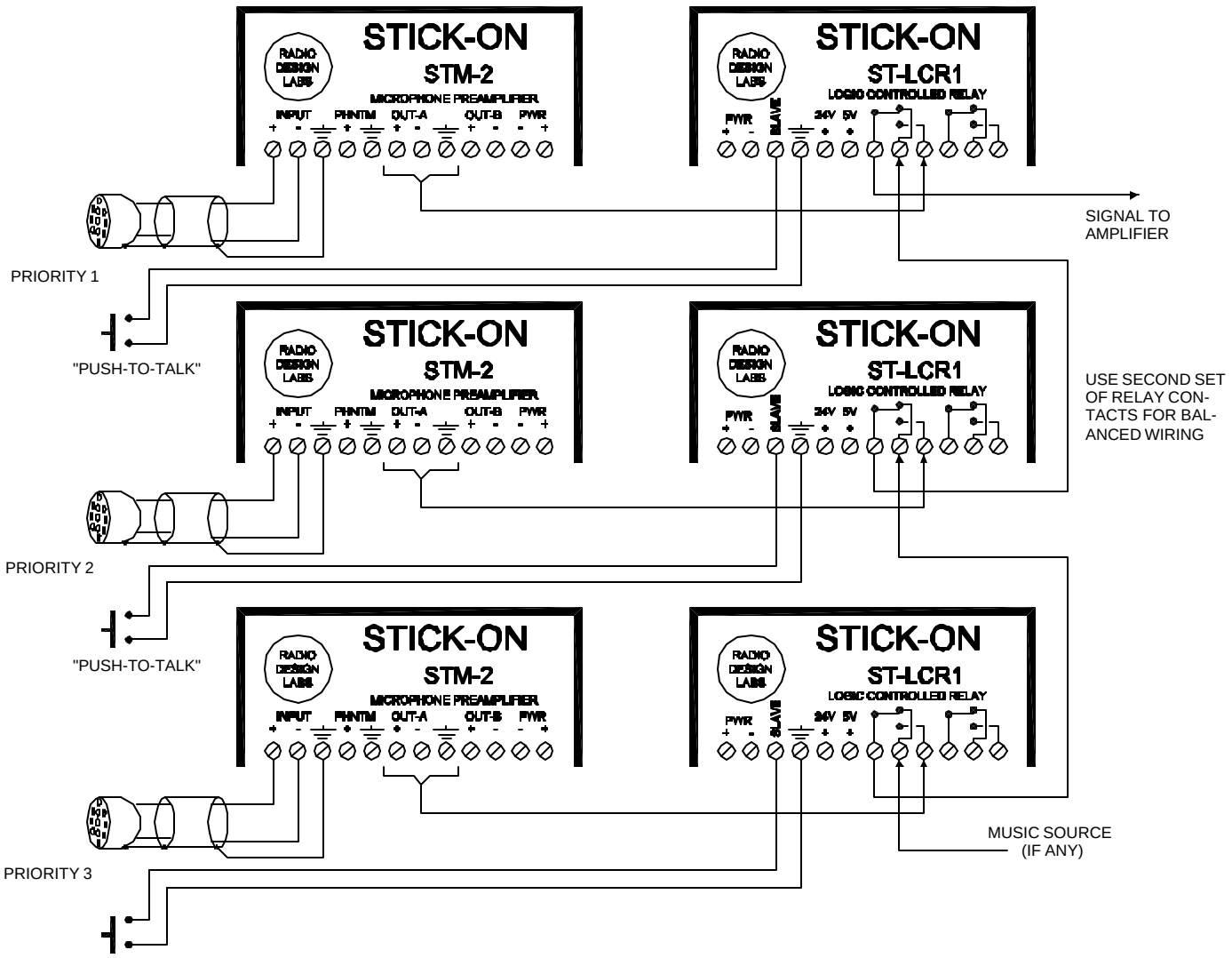
PRIORITIZED PAGING



This application is designed to permit multiple paging locations, with priority assigned to each location. Each location has a mic and a push-to-talk momentary pushbutton. The STM-2 preamp for each mic should be located where the mic is installed. Wiring between the STM-2 output and the ST-LCR1 should be BALANCED if the amplifier being used has a balanced input circuit (2 conductors + shield). If the system has a background music source, it should be connected as shown. When any PTT button is depressed, the music will be interrupted and the selected mic will be active. The highest priority mic selected will always be the active mic. If mic 3 is in use, and the priority 2 mic is activated, the mic audio from mic 3 will be shut off and replaced by the audio from the higher priority mic.

This arrangement may be carried out to many more than 3 mics. The wiring shown on the ST-LCR1 relay terminals is for only one of the balanced conductors; the other terminals would be wired the same for the other balanced conductor.

All modules pictured require a ground-referenced power supply. Although they would be all be capable of running from a common supply, the mics normally are located some distance from the ST-LCR1s and power amplifiers, making it required that wiring be kept balanced and that the STM-2s have their own power supply.

Note: If the amplifier feed or music source signals require conversion between unbalanced and balanced operation, use either an STA-1 (dual channel) or STA-1M (single channel) line amplifier.

IF TOTALLY SOLID STATE SWITCHING IS PREFERRED (WITHOUT ANY RELAYS), THE ST-SSR1 "SOLID STATE AUDIO RELAY" MAY BE SUBSTITUTED IN PLACE OF THE ST-LCR1s IN THE ABOVE DIAGRAM.