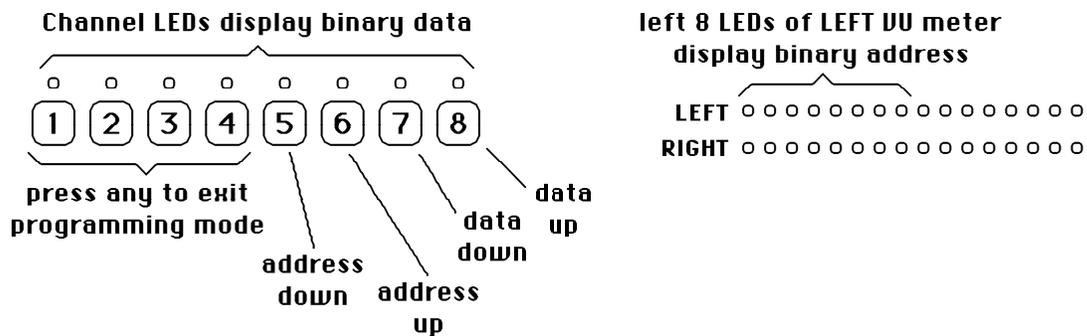**Subject:**   Disabling/adjusting the ALC in the ACU-1

This procedure only works on ACU-1's with firmware version 6 or higher--most ACU-1s have version 9 or higher. The front panel adjustment procedures do not exist in earlier firmware versions.

To enter the front panel programming mode, press buttons 1 and 3 simultaneously for at least one second. The POWER/SYNC LED will flashing as an indicator that the ACU-1 is in programming mode.

The left 8 LEDs of the left channel VU meter display a binary memory address--LED off=0, LED on =1. When you first enter programming mode, the address will be 27 (00011011 on the VU display). Press the channel 5 button one time to decrement the address to 26 (00011010 on the VU display). Location 26 stores control data for the ALC.

The Channel LEDs will display the value 5 (00000101) which is the default ALC release speed setting (sec/1 dB gain). Pressing the channel 8 button will increment this value, pressing the 7 button will decrement this value.

0 (00000000) is invalid data
1 (00000001) disables the ALC
2-255 adjusts the ALC release speed, seconds per 1 dB gain increase, 2 is fastest (factory setting is 5)

Adjust the ALC as necessary. When you are done, press the channel 1 button to exit the programming mode. The new setting is stored in non-volatile EEROM and will not change if power is lost.

Changing values at any address other that 26 may cause unexpected behavior or communication problems.