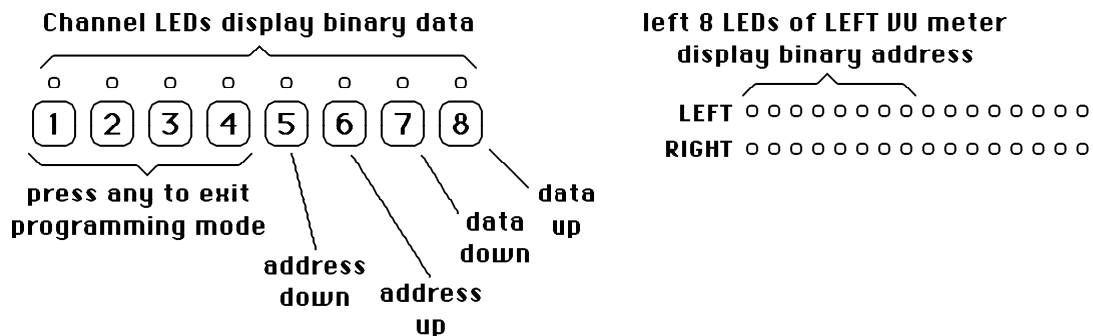


Subject: Adjusting the silence sensors in the ACU-1

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 to decrement the address or the channel 6 button to increment the address. Silence sensor related address are shown in the table below.

Name	Address (decimal)	Address (binary)	Default Data (binary)
Left Silence Threshold	20	00010100	00000001
Right Silence Threshold	21	00010101	00000001
Left Silence Alarm Time	22	00010110	00011110
Right Silence Alarm Time	23	00010111	00011110

The Channel LEDs will display the data at the selected address. Pressing the channel 8 button will increment this value, pressing the 7 button will decrement this value.

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 other addresses may cause unexpected behavior or communication problems.

The data values for the silence sensor related items are as follows:

Silence Sensor Threshold

Data	Detection threshold
0	silence detection off (both channels)
1	-42 dB
2	-39 dB
3	-36 dB
4	-33 dB
5	-30 dB
6	-27 dB
7	-24 dB
8	-21 dB
9	-18 dB
10	-15 dB
11	-12 dB
12	-9 dB
13	-6 dB
14	-3 dB
15	0 dB
16	+3 dB

Silence Sensor Alarm Time

Data	Time to alarm activation
1-250	seconds of silence before alarm activate