----------------------------------------------------------------

FREQUENCY CONTROL    (for generators 0, 1, 2)
-----------------
Two bytes must be transmitted to the SGC for a given register
and to compute the number of counts from the frequency F
use: N = 111860 / F

Binary      1-REG#-N(1s 4 bits)-00-N(ms 6 bits)
                    Note that N must be split up into its least
                    significant 4 bits and most significant 6
                    bits (10 bits total).

 The lowest frequency possible is 110 Hz and the highest is
55938 Hz.

NOISE CONTROL                    |
-------------                    |
One byte must be transmitted to the SGC:

Binary      1-1-1-0-0-T-S

      T = 0 for white noise, 1 for periodic noise;
      S = Shift rate (0,1,2,3) = frequency center of noise.
          S=3=frequency dependent on the frequency of tone
          generator #3.