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I have figured out most of the .VOC format, and here it is:
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HEADER: (bytes 00-19)
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     byte #          Description
     ------          -----------
     00-12           Creative Voice File
     13              1A (eof to abort printing of file)
     14-15           1A 00  word offset in file of first data block
     16-17           Version number           (VOC-HDR puts 0A 01)
     18-19           2's Comp of Ver. # + 1234h (VOC-HDR puts 29 11)

DATA: (bytes 1A+)     A series of data blocks terminated by 00
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   Data Block:  TYPE(1-byte), SIZE(3-bytes), INFO(0+ bytes)
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      TYPE    Description   Size (3-byte int)    info
      ----    -----------   -----------------    ----
      01      Sound data    2+length of data     *
      02      ????
      03      Silence       3                    *
      04      Marker        2                    marker #
      05      ????
      06      Repeat        2                    # of repetitions
      07      End repeat    0
      08+     ????

 *Sound info format:          *Silence info format:
  -----------------           --------------------
  00   Sample rate            00-01  Length of silence (weird encryption)
  01   Compression type       02     38
  02+  Data


Sample rate        -- SR byte = 256-(1000000/sample_rate)
Length of silence  -- (# of .1 seconds encrypted)
Compression type   -- 8-bits   = 0
                      4-bits   = 1
                      2.5-bits = 2
                      2-bits   = 3
                      Multi DAC = 3+(# of channels)

Silence encoding in VOXKIT finds quiet places in file, and creates a separate
block that is of type Silence.



The only remaining mysteries are what types 2&5&8+ are if they exist, and the
exact conversion of the silence length integer to seconds.  If you have any
more information, please email me at:   galt@dsd.es.com
I hope this info will help to create more  public domain utilities for the
soundblaster.
         Greg
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