

This software is designed to show how you could use a Sound Blaster as a 'simplex voice repeater'. To demonstrate this, obtain a DB25 connector to attach to your computers LPT port. Wire a pushbutton between pins 2 and 24, and wire an LED between pins 13 and 25 with the + lead to pin 2.

The pushbutton will act as the 'squelch' of your radio. Press it, and the software thinks the squelch is broken. Release it, and the program thinks the carrier dropped. The LED is a TX indicator. When lit, the program is 'transmitting'.

The program will 'voice ID' at initialization, or at 15 minute intervals IF there has been activity.

The program keeps a counter in HEX as a timer. 3FFCh corresponds to 15 minutes. The status flags byte is displayed as well. 00 means idle, 01 means the program needs to transmit an ID as soon as possible, and 02 means there has been traffic since the last ID.

At any time in the program you can hit <ESC> or <Q> keys to exit to dos. You can also hit the <I> key at anytime to force the program to 'ID' at the next available window.

The 'could' be hooked to a radio very easily. However, there is no provision for a 'control' as required by the FCC. As a matter of fact, I haven't looked into the full ramifications of the FCC rules with this thing. I only play with it when I'm right there.

*** Initial Setup ***

Before trying to run this software, copy it to a directory on your HD you want to use. Then copy CTVDSK.DRV (provided with your Sound Blaster package) to the same directory. If CTVDSK.DRV is not modified to be set to your Sound Blasters port address, DMA channel, and Interrupt, you will have to do that. This version of the simplex repeater does NOT pull out environment variables to find the Sound Blaster hardware. If you Sound Blaster is at the defaults, then this should not be a problem.

To use this software for the first time, you need to create your voice ID file. Use any 'VOC' software like the utilities that came with your Sound Blaster (or equivalent) or something like Blaster Master, or use the program itself to create the file DATA_ID.VOC, which should say something like:

"This is the <your call> Simplex Voice Repeater"

To use the program, just start the program and say the message above into the program and then quit. If you are using a button and mic setup, just press and hold the button while you say the line above. Release the button, and the program will repeat it back. Then hit <ESC> to quit the program. Rename the file DATATRP.VOC to DATA_ID.VOC and you now have your ID file.

If you already have interfaced to your radio, just have someone transmit into your radio and say the line.

Have fun!

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