FILE TRANSFER BETWEEN SORCERER AND MICROBEE

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This article describes how to transfer Microbee Wordbee files to the Sorcerer which is running under STERM93. I have tried the following connection by direct connect with success at both 300 and 1200 baud. The following shows the connection:

```
MicroBee                    Sorcerer

pin 2 XMT--------------pin 3 RCV->>>>(-12Volts via 1K resistor)
pin 3 RCV--------------pin 2 XMT
pin 7 GRD--------------pin 7 GRD
```

The -12 Volts is required because the Microbee can have problems driving some RS232 devices and was derived from a -16 Volts supply used in the S-100 Expansion unit.

```
< -16 V------------------c(BC558)e-----> -12 volts
      -!            ↑        !
      --- 1000uf    ↑1.5Kohm !          where: c=collector
   capacitor        ↑resistor!                 e=emitter
      --- 25VW      !        b                  b=base
      +!            !--------!                  A=anode
       !                     ! A                K=cathode
     grd.                (13V zener diode)
                           ! K
                           !
                          grd.
```

The -16 volts comes from the -ve. side of the 4000uf. capacitor closest to the S-100 sockets. [Ed: see also note re Serial Interface N/L Vol84/118. Maybe, just maybe you may not need the -12v pull down resistor?]

Project 676 from ETI Feb. 1984 describes a "fair dinkum RS232er" for the Microbee which could be used if you haven't got the S100 Expansion unit.(The ICL7660 chip can be hard to get although All Electronic Components of Lonsdale St; Melb. have it in stock now and then - ring before making a trip..)

OPERATION NOTES:

(1) Load the file into the Microbee under WORDBEE then exit to the NETWORK Rom via the 'N' command. Set up Baud rate and leave other values as default.(ie 8 data bits)
(2) Load STERM93 and go to file receive mode (make sure UART parameters are set for 8 bits and same Baud rate as Microbee).
(3) Answer prompts from STERM ie filename & display data.
)4) On the Microbee give the 'SAVE' command and soon after the transfer should begin.
(5) The file, if it was named with a .WPF suffix can then be accessed via JIM NELSON'S SWORD program. [N/L Vol84/73.]
(6) Files can be sent from the Sorcerer back to the Microbee by using the 'S' command in STERM93 and the 'LOAD' command on the Microbee. (Be sure to exit from the Network Rom in the Microbee back to the Wordbee Rom by using the 'RETURN' key, as pressing reset will corrupt the Wordbee file!).

So far, successful file transfers have been name and address listings of about 500 people in my tennis club from the Microbee to the Sorcerer, and The Australian Beginning New Feature notes from the Sorcerer to the Microbee. (The Microbee was the 32k series 2 Personal Communicator)

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