Connect PC/Laptop via Serial Port

Introduction

Sometimes it is useful to switch keyboard input/display output from the Microtan to a PC or Laptop connected to the Microtan TANEX via the serial port. This enables display output to be captured in a text file on the PC/Laptop or data (eg programs) to be loaded from a text file on the PC/Laptop into the Microtan. Instructions for setting up and testing the serial port are provided here.

PC Setup

A terminal program such as TeraTerm needs to be installed on the PC/Laptop. The instructions that follow, assume TeraTerm.
When opening a new connection 'Microtan', choose Serial Port and select the appropriate PC/Laptop COM Port.

Select the following Port settings:
19200 Baud Rate,
8 Data Bits,
Parity None,
1 Stop bit,
'None' Flow Control
Transmit Delays 25 msec/char, 500 msec/line

Note: when data is sent to the Microtan via the serial port, the delays may be adjusted (faster/slower) depending on the amount of processing the Microtan is required to do after receiving a character or line feed.

Microtan Setup

Create the following program using either the Monitor 'M' or 'T' command:

```
60      A9 1F       LDA #$1F
62      8D D3 BF    STA $BFD3   ;set 19200 Baud, 8N1 port settings
65      A9 89       LDA #$89
67      8D D2 BF    STA $BFD2   ;set transfer settings
6A      A9 21       LDA #$21
6C      85 00       STA $0      ;set PSTAT to TX/RX serial port
6E      4C 23 F8    JMP $F823   ;jump to RETMON
```

Run the program by typing: **G60 <CR>**

Thereafter, all keyboard input must be from the PC/Laptop.