

APPENDIX

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Notes on text:

1. When using the serial interface software, note that the keyboard input would be coming from the serial port on Tanex, not from the keyboard socket on Microtan.
2. It is worth remembering that if you try to copy a block upwards by a few locations that your program may be corrupted as the copy command is executed, as it overwrites data with new data before it has had a chance to read it. This effect can be of use for clearing down block of memory. A 'Clear-Screen' based on this effect could be:

M200,xx,32

C200,3FF,201

3. If you are using an expanded Tanex with a 6551 chip onboard and you are not using the serial interface facilities you must use the special header plug to disable the 6551, otherwise Tanbug will sit and wait until you connect up a terminal, which could be a long time! The header plug simply consists of a 10K Resistor taken at one end to +5v and the other end to pins 8, 10 and 11 on socket E1 on Tanex.
4. Note that pressing Control P, V or S will not cause a character to be echoed on the screen.

TANBUG Command Quick Reference Chart

<u>Command</u>	<u>Function</u>
RESET	Initialise system and display TANBUG message
Mxxxx	Modify memory at hexadecimal address xxxx
lf	Step up through memory
esc	Step down through memory
space	Re-open currently displayed memory location
cr	Close currently displayed memory location
Lxxxx,y	List y lines of memory starting at address xxxx
Gxxxx	Go, begin program execution at address xxxx
R	Display pseudo processor register locations
S	Set single step mode
N	Return to normal mode (Clear single step)
P	Proceed, past breakpoint or next instruction (singlestep)
Bxxxx,y	Set breakpoint number y at location xxxx
B	Clear breakpoints
Oxxxx,yyyy	Calculate offset between address xxxx and yyyy for branch
Cxxxx,yyyy,zzzz	Copy block from xxxx to yyyy to location starting zzzz
Cntl P	Switch on/off parallel printer
Cntl V	Switch on/off serial printer
Cntl S	Switch on/off screen
Cntl L	Clear screen (in BASIC)
BAS	Enter BASIC
WAR	BASIC warm start

XBUG Commands

<u>Command</u>	<u>Function</u>
C	Set CUTS standard cassette speed (300 Baud)
F	Set fast cassette speed (2400 Baud)
Dxxxx,yyyy,zzzzz	Dump to tape from xxxx to yyyy using filename zzzzz
F,zzzzz	Fetch file zzzzz from cassette
E,zzzzz	Examine (verify) file zzzzz with tape
Txxxx	Enter translator (assembler) at address xxxx
Ixxxx	Interpret (Disassemble) from address xxxx