SPECULATOR

MEMOTECH SPECTRUM EMULATOR
for the Memotech MTX512
and RS128

Tape 1

ARCADIA *(Imagine)*
ASTRONUT *(Software Projects)*
ATIC ATAC *(Ultimate)*
DA!EY THOMPSON'S DECATHLON *(Ocean)*
FLIGHT SIMULATION *(Sinclair – later version)*
GRIDRUNNER *(Quicksilva)*
HUMPTY DUMPTY MEETS THE FUZZY WUZZIES
(Artic)
HUNCHBACK *(Ocean)*
JETPAC *(Ultimate)*
JUMP CHALLENGE *(Martech)*
LASERWARP *(Mikro-gen)*
MANIC MINER *(Bug-byte)*
POTTY PIGEON *(Gremlin Graphics)*
PROJECT FUTURE *(Micromania)*
SPECTIPEDE *(R & R)*
STARION *(Melbourne House)*
STOP THE EXPRESS *(Sinclair)*
TORNADO LOW LEVEL *(Vortex)*
TRAXX *(Quicksilva)*
TWIN KINGDOM VALLEY *(Bug-byte)*

Introduction

Thank you for purchasing the Memotech Spectrum Emulator! The Emulator comprises:

(1) a program on cassette tape that allows the Spectrum programs listed above to run, and

(2) a plastic case, labelled SPECULATOR, containing the hardware needed by these programs before they can work.

None of the Spectrum programs listed are included on the tape provided, and so must be purchased separately. Since it emulates a Spectrum with 48K of RAM, the Emulator will not operate on the unexpanded MTX500.

Setting up the hardware

Turn off the power to your Memotech computer and attach the SPECULATOR to the left-hand edge connector. Ensure that the key on the SPECULATOR connector is located correctly and that it is pushed fully home. Switching on the power supply should now produce the normal screen display.

There is no need to unplug the SPECULATOR when it is not in use, since it will have no effect when not emulating the Spectrum, and continually disconnecting it will cause excessive wear on the edge connector.

If your machine is fitted with the RS232/Bus Interface Board you will need to change one chip on this board for the Emulator to function correctly. Contact Memotech, or your dealer for details if necessary.

Running the program

To load the Emulator program from tape enter the command LOAD "" and press PLAY on your cassette recorder. A menu of Spectrum programs will be displayed automatically when the program has loaded. To run a particular program, press the appropriate key. The menu screen will be replaced by a screen containing the name of the program, the name of the publisher, a joystick assignment (see below), and additional comments where necessary.

Remove the Memotech Emulator tape from your cassette recorder and insert the selected Spectrum tape. Press any key followed by PLAY on your recorder to start loading the Spectrum program. This should cause the border on the display

to change colour. If at any time there is a tape loading error then the menu will be re-displayed and you will be able to select the program again.

Errors generally occur through using a volume that is too high or too low, the wrong Spectrum program, or by pressing the BRK key. When loaded, the program that was written for the Spectrum will start running on your Memotech computer!

Keyboard and joystick

Most of the keys work in the same way as they do on the Spectrum, i.e. numerals 0–9 and letters A–Z (upper and lower case). Exceptions are the following:

Spectrum	Memotech
CAPS SHIFT	Left hand Shift Key
SYMBOL SHIFT	Right hand Shift Key
ENTER	RET
SPACE KEY	Space bar

For some programs Delete is obtained by pressing CAPS SHIFT and O simultaneously. Other characters, such as punctuation characters, are produced by pressing SYMBOL SHIFT and another key, in the same way as on the Spectrum.

Each program has the ability to use either the joystick/cursor keys on the Memotech keyboard, or the right hand joystick socket. The cursor keys generate the Spectrum characters listed in the joystick assignment table. If a Spectrum program gives you the option of using the keyboard or joystick, always choose the joystick option.

The function keys provide additional features. Pressing either F1 or F5 will pause a program until any other key is pressed and released.

The F2 and F6 keys are used to turn the sound on and off respectively for those programs that have sound. (N.B. Not all programs that have sound on the Spectrum will have sound when used with the Emulator due to hardware differences.)

Finally, to abandon a program completely and return to the menu, press ESC and F8 together, after which a new Spectrum program can be loaded and run if desired.