

# SYSTEM SOFTWARE

## · CATALOGUE ·

### THE MUSIC SYSTEM

The Music System. Note the definite article.

We like to think this is the most advanced micro-based music system on the market. A powerful piece of software: you can even dance to it.

The package comes complete with two disks, or on two cassettes; the Music System plus a separate Song & Sound Library containing music examples, backing tracks and pre-defined sounds.

For all its capabilities, The Music System is easy to use. It's been designed for absolute simplicity, using icons to represent the five vital functions of the program:

#### **The Editor.**

The musicians' equivalent of the word processor. The notes are written onto the treble and bass staves; there is a choice of different tempos, sounds, keys etc. Up to four voices – including percussion – can be used. All this and . . . more! By using the Song & Sound Library Disk you can load in one of the music examples and, via The Editor, modify the tune. In other words, Flight of the Bumble Bee as YOU want it to sound. Your music compositions can be also stored on floppy disk or on cassette.

#### **The Synthesiser**

This module produces sounds. It's as simple as that. If you don't want any of the pre-determined instruments on the Song & Sound Library Disk, then The Synthesiser can create whatever sounds you want. There's also a separate graphs screen which displays the actual shapes of the sounds.

#### **The Keyboard**

An alternative method of inputting music (the other is The Editor). A piano keyboard is displayed on the screen, the notes are entered by playing the Q-W-E-R-T-Y and number keys.

#### **The Linker**

Allows you to join together several files and play them back as one piece of music.

#### **The Printer**

A print-out facility for musical scores. You need, of course, a dot-matrix printer.

**The Music System is for everyone, from the experienced musician to the rank beginner. It's a powerful musical tool AND an invaluable teaching aid. Whatever your level of musical skill, The Music System is guaranteed to be fun.**

The Music System, developed jointly by System and Island Logic is available as a disk pack or on two cassettes:

**Cassette 1:** The Synthesiser  
The Keyboard  
Sound Library

**Cassette 2:** The Editor  
The Printer  
Song & Sound Library

Orders received  
before 31.5.85  
available at old price  
£24.95 (disk/  
£12.95 (cassettes)

**DISK PACK** £29.95 inc vat    **CASSETTE 2**    £14.95 inc vat

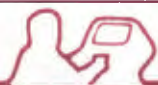
**CASSETTE 1** £14.95 inc vat    **3" DISK VERSION**    £ 5.00 extra

**P&P £1.25 per order**

*The Music System is an outstanding program. It is way out in front of any other music programs for the BBC micro. It is so versatile and despite the fact that it is packed full of features, it remains easy to use. It is delightful to use with children; they can compose their own piece of music, play it back and watch the notes scroll across the screen. What a wonderful way to make a melody!*

Educational Computing Jan. 85

**SOUTH YORKSHIRE SYSTEMS FOR TRAINING  
EDUCATION AND MANAGEMENT LIMITED.**



# EDUCATIONAL SOFTWARE

## write-on

Micros: BBC-B disc/cassette; ZX Spectrum  
Age range: Four upwards, including secondary remedial  
Price: Cassette £14.00 + £2.10 VAT Disc £14.00 + £2.10 VAT

An easy to use program to help in the development of ideas in the early stages of literacy. Applicable in the home and at all levels of the education system where basic literacy skills are being developed.

Words selected from the screen pages are built up into sentences and can be printed out. The word sets supplied can be changed, added to or completely replaced as appropriate. Avoids the frustration of poor co-ordination or handwriting.

## titrations

Micros: BBC-B disc/cassette; RML 380Z; Apple II  
Age range: CSE, O-level and introductory A-level  
Price £14.00 + £2.10 VAT

An invaluable aid to the teaching of titration calculations, it diagnoses the source of error and provides appropriate remedial help. Over 320 practice problems are included plus the opportunity of using actual experimental data.

## stock

Micros: BBC-B disc/cassette; RML 380Z; Apple II  
Age range: CSE, BEC, BEC/TEC, O- and A-level computing  
Price: £14.00 + £2.10 VAT

Illustrates the basic working of a stock control system and provides the basis for simulation and project work. Facilities are provided for printing the stock file and order lists. Complete with full Teachers Guide and Student Worksheets, the package is applicable to both to business and computing courses.

## survive

Micro: BBC-B disc  
Age range: CSE; O-level; discussion relevance from upper primary to F.E.  
Price: £14.00 + £2.10 VAT

Applicable to Humanities, History and Social Studies, this program gives an insight into the roots of social organisation and development. Students form their own society based on a computer generated universe and respond to stressful situations needing the development of survival strategies. The teacher assists the students to verbalise and rationalise their responses.

## multitest

Micros: BBC-B disc/cassette  
Age range: 11 upwards  
Price: £14.00 + £2.10 VAT

A multi-lingual educational utility for the writing, storage and examination of a large variety of cloze (gap filling) type tests in any of five European languages (English, French, German, Italian and Spanish).

## animator

Micro: BBC- disc/cassette  
Price: Cassette £14.00 + £2.10 VAT Disc £14.00 + £2.10 VAT

Allows graphics characters to be created and saved to use in any program. Indispensable for screen animation. Complete with example programs and character sets to guide you through.

## intervention

Micros: BBC-B disc  
Age range: All business courses at school and commercial level  
Price: Schools/colleges £100 + £15.00 VAT

This is an extremely flexible business simulation run by a controller.

Participants experience the problems of starting up and managing a manufacturing company. Realistic balance sheets, Trading and Profit & Loss Accounts are printed. Simulations can be saved on disc for later re-start.

### Music Editor and Envelope Generator.

For details and prices on upgrade to the new MUSIC SYSTEM send S.A.E. to SYSTEM.

# PROGRAMMING AIDS

*All our ROMs now run on the second processor.*

## SPY 2

Micro: BBC-B disc/cassette  
Price: £26.09 + £3.91 VAT

2nd processor compatible

SPY2 is a front panel debugging monitor, disassembler and disc utility ROM. SPY2 is instantly accessible to the programmer for inspecting, modifying, debugging and disassembling machine code programs. SPY2 also features a relocater and program trace facilities. SPY2 will access any ROM either in the sideways ROM sockets or on an extension board. ROM memory may be displayed, single-stepped through or disassembled.

SPY2 includes a set of powerful disc recovery commands for interrogating, editing and retrieving data stored on a floppy disc. SPY2 also includes a disc formatter as well as a non-destructive single track reformatter.

Invaluable for all programmers and computer studies courses.

Rated by many reviewers as the best utility ROM on the market.

## ADE

Micro: BBC-B disc/cassette  
Price: £52.17 + £7.83 VAT

2nd processor compatible

The complete program development package for assembly language programmers. ADE is the de facto industry standard for software writers using the BBC microcomputer. The 16K ROM contains a full 6502 MACRO assembler, a dynamic text editor, a front panel debugging monitor and disassembler. ADE comes complete with a 160 page comprehensive reference manual and a utility/macro library disc. ADE can also be used with tape based machines.

The ASSEMBLER features macros with library facilities; nestable conditional assembly; flexible listing options (with or without macro expansion); hex, decimal, binary and ASCII data formats; dummy section; full range of arithmetic and logical operators; symbol table sort and dump; file chaining and 29 powerful pseudo ops. Source and object files are kept on disc so there is no limit on program size or location. Now significantly enhanced to include local label BLOCK command, any number of output files. Use with the 2nd processor for really fast assembly.

Dynamic debugger - similar to the original SPY utility.

Powerful screen editor with immediate and deferred editing modes. The formatter gives it word processing capabilities. Invaluable for all good computer studies courses. Now includes 80 column mode when using the 2nd processor.

## ASM

ASM provides all the superb features of the ADE macro assembler on its own ROM.

The program source file may be written using any editor (even Wordwise or View!). Complete with reference manual and utility/macro library disc. Use the assembler that professional software writers use.

Price: £35 inc VAT. Please specify 40 or 80T utility disc.

# NEW PRODUCTS

## COMPUTER AWARENESS

Micros: BBC-B disc  
Age range: 11 through to adult  
Price: £50.00 + £7.50 VAT

Originally developed on behalf of Manpower Services Commission, this suite of three programs is designed to introduce and develop the concepts of wordprocessing, spreadsheets and databases. A fourth program introduces elementary aspects of programming and basic concepts relating to the components and functioning of computers.

A mixed tutorial and simulation approach has been adopted which allows users to practice each feature as it is introduced.

Please specify either 40 track or 80 track

## compact 5

Micros: BBC-B disc  
Price: £130.00 + £19.50 VAT

**A computer-based simulation of a Computer Numerically Controlled (CNC) lathe.**

Designed for use by students of CDT, engineering etc, COMPACT 5 simulates the programming, set up and operation of an EMCO COMPACT 5 CNC lathe. It also allows the transfer of lathe programs between the microcomputer and the EMCO lathe.

CNC programs are input and edited on the microcomputer in exactly the same way as on the EMCO lathe. In addition to the standard EMCO editing facilities COMPACT 5 includes full error checking and appropriate warnings.

The CNC programs can be saved on disc for later use on the lathe or for further editing in COMPACT 5. Complete annotated listings of CNC programs can be printed out from COMPACT 5 providing a permanent descriptive copy of each CNC program sequence.

COMPACT 5 allows you to set up and run a CNC program. Each job has to be set up by selecting billet size, cutting tool, feed rate, spindle speed and tailstock. The billet can be machined under hand control or shaped automatically under program control. The billet is 'cut' in real time on screen with a full readout of positional information and current program block. The simulation allows for single-step operation and tool changes. Full error checking and tool 'crash' protection is included.

**The computer simulation is self sufficient and can be used independently of a CNC lathe. Consequently, organisations without access to CNC lathes can still provide experience of the programming and use of such equipment.**

## DISCS...DISCS...DISCS..

	in boxes of 10 £	in boxes of 100 £
Single sided, single density	1.30 ea	1.05 ea
Single sided, double density	1.70 ea	1.40 ea
Double sided, double density	2.05 ea	1.80 ea
96 tpi, single sided, quad density	2.20 ea	2.00 ea
96 tpi, double sided, quad density	2.55 ea	2.35 ea

Carriage: £0.50 per box of 10  
£2.50 per box of 100

# SYSTEM

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