Acornsoft
ISO~Pascal

for the BBC Microcomputer Model B

The release of ISO-Pascal scores another first for Acornsoft – it is the first, and only, micro based Pascal package which has been validated by the British Standards Institution as complying with Level 1 of the International Standard (ISO 7185) when using version 4.0 of the validation suite.

Pascal is an articulate and powerful computer language that is rapidly gaining prominence in many fields of programming. It represents a significant advance on the capabilities of fully interpreted languages like BASIC because it can handle much larger programs, offers a faster run speed and allows quicker program development.

Acornsoft ISO-Pascal is the first and only micro based Pascal system which meets with the highest standards of the International Standards Organisation.

Acornsoft ISO-Pascal has particular relevance in higher education, from sixth form to technical college and university level. At the same time it provides stimulating new possibilities for the amateur home programmer who wants to move into more advanced and large scale software.

ISO-Pascal offers a complete implementation of the Pascal language. Although it can handle extremely complex programs it also makes a virtue of simplicity, which gives ISO-Pascal a special relevance as a teaching aid in computer programming.

Larger programs

ISO-Pascal can handle large and complex programs because the intermediate code to which it compiles is far more compact than the run time code of interpreted languages.

Faster program development

ISO-Pascal has a built-in screen editor with very extensive search and replace facilities which enable the user to locate and correct an error or make a change quickly. This facility cuts programming time that would otherwise be spent in editing line by line.

Error handling

ISO-Pascal features a comprehensive error reporting facility. There are more than 100 error messages and they are very precise in showing where the problem has arisen. The messages identify the particular symbol or word causing the error rather than just the line where it occurs.
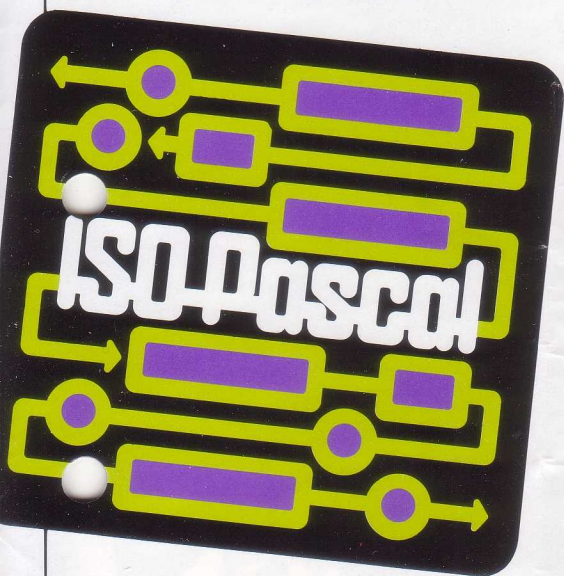
Faster run speed

Because ISO-Pascal compiles to a compact intermediate code, it generally runs faster than equivalent code in fully interpreted languages.

The ISO-Pascal package

The Acornsoft ISO-Pascal package consists of two 16K ROMs, a 5¼ inch disc and two manuals. The compiler (ISO level 0) is on one ROM, and the editor and run time interpreter on the other.

The disc contains various demonstration programs and utilities, and, for users with a 6502 Second Processor, a disc based compiler (ISO level 1). The object code produced by this compiler is fully compatible with the ROM based run time system.

Two manuals are provided: *Pascal from BASIC*, which is a tutorial course for the user familiar with BASIC, and *ISO-Pascal on the BBC Microcomputer and Acorn Electron*, the reference guide to the Acornsoft ISO-Pascal system.

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