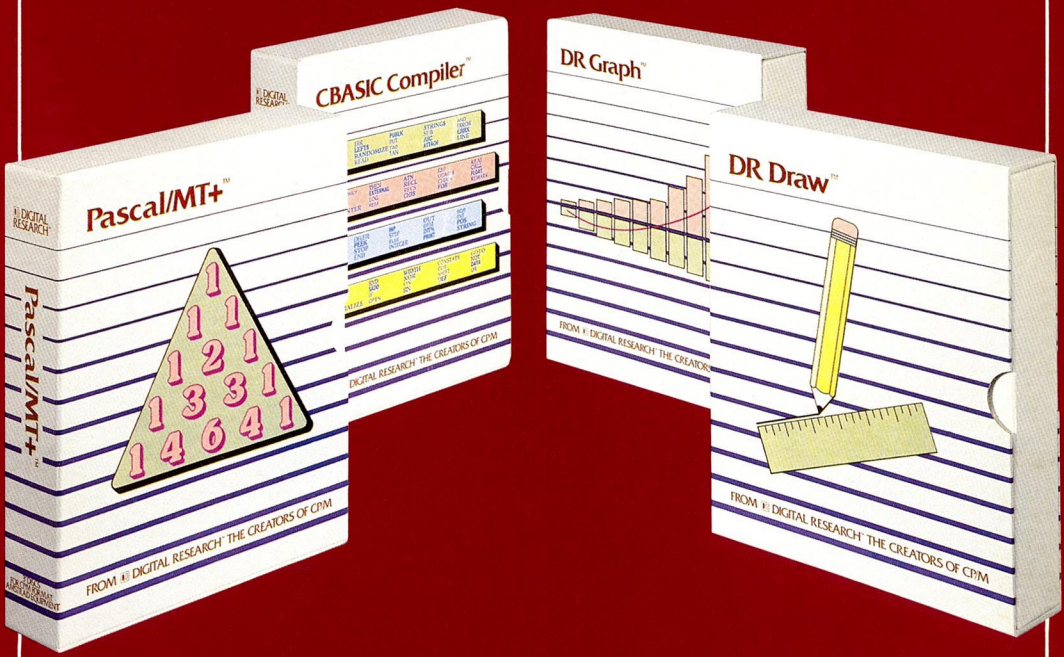
WHSMITH

Language and graphic disk software for Amstrad computers.



AMSTRAD PROFESSIONALS
FROM DIGITAL RESEARCH

PASCAL/MT+™

The most complete Pascal available for microcomputer program development.
Pascal is a highly structured language originally designed for teaching programming.
Data types are extensive and matched to your programming needs. These qualities, plus compactness and execution speed, have made Pascal highly regarded as a microcomputer development language.

Pascal/MT+ is the full ISO standard Pascal, extended to provide a comprehensive, professional programming environment for industrial, business and educational applications.

Pascal/MT+ expands the inherent advantages of the highly structured Pascal language. It's faster, more versatile, more portable, and easier to use in sophisticated applications which demand segmented development.

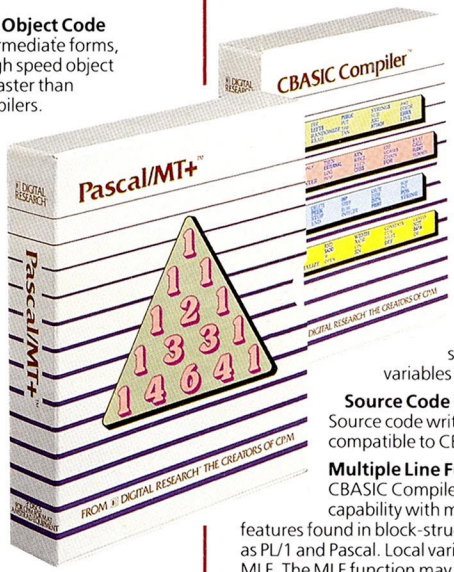
Direct Translation to High Speed Object Code
Unlike other systems which use intermediate forms, Pascal/MT+ translates directly to high speed object code. Therefore execution is much faster than traditional pseudo-code Pascal compilers.
The Pascal/MT+ package includes a compiler that generates relocatable object files, a linker to generate an executable file from the relocatable compiler output, a run-time support library, a disassembler to help the programmer understand the program in final form, and a debugger to allow symbolic program debugging.
Library routines are included to perform tasks ranging from transcendental functions to the handling of machine interrupts.

Ideal for Business, Industrial and Educational Use
In addition to the standard ISO numeric types, Pascal/MT+ supports either Binary Coded Decimal (BCD) or floating point real numbers for the arithmetic precision essential in business applications.

For industrial users, Pascal/MT+ offers the efficiency of native "ROMable" machine code, as well as special features to reduce program size and enhance I/O capabilities. And for educational use, Pascal/MT+ is the fully implemented Pascal you can start with, stay with, and never outgrow.

Level of Difficulty
Pascal/MT+ is designed to meet the high performance needs of the software development professional or the advanced student of Pascal.

Hardware Requirements
Pascal/MT+ on the Amstrad CPC 6128 and PCW 8256. Programs created with it run on these or the CPC 464 and CPC 664.



CBASIC COMPILER™

The high performance native code BASIC compiler for software professionals creating business applications. CBASIC Compiler is an enhanced CBASIC with important advantages for software professionals. It's a native code compiler that allows separate modules to be written, tested, and then combined to create a complete program. CBASIC Compiler's fully-integrated graphics extensions allow you to write versatile graphics programs for a multitude of applications.

Faster Execution
CBASIC Compiler combines the speed of machine code with the ease of use of the BASIC language. A program compiled with CBASIC Compiler executes from eight to ten times faster than the same interpreted program.

Graphics Extensions
CBASIC Compiler includes a fully integrated set of graphics statements and functions.
Device-independent graphics capability allows you to direct output to any graphics peripheral without recompiling your programs.

Decimal Arithmetic
Extended precision 14-digit decimal arithmetic assures that fractional parts of pound amounts will be exact, and that ledgers will balance to the penny.

CBASIC Compiler also supports integer arithmetic, so you can use integer variables to increase execution speed.

Source Code Compatibility
Source code written in CBASIC is upward compatible to CBASIC Compiler.

Multiple Line Functions
CBASIC Compiler's multiple line function (MLF) capability with multiple parameters provides features found in block-structured languages such as PL/1 and Pascal. Local variables can be declared in an MLF. The MLF function may be declared as external, belonging to an entirely different program module.

Level of Difficulty
CBASIC Compiler is designed to meet the high performance needs of the software development professional or the experienced student of BASIC.

Hardware Requirements
CBASIC Compiler runs on the Amstrad CPC 464 with DDI-1 disk drive, CPC 664, CPC 6128, PCW 8256 computers. Graphic programs need GSX supplied with the CPC 6128 and PCW 8256.

£49.95 inc. VAT

£49.95 inc. VAT

DR GRAPH™

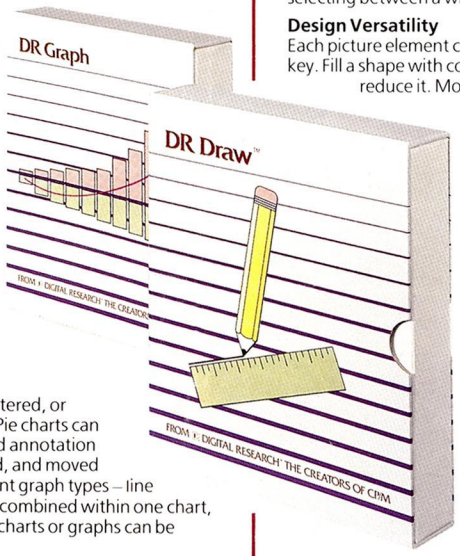
Presentation-quality graphics for the business professional. DR Graph is a comprehensive graphics program for creating graphs and text-only charts.

DR Graph makes it easy to turn complex business or scientific data into clear, effective colour graphics. Using data entered manually or created with popular spreadsheet programs such as SuperCalc you can quickly design effective, professional-looking line, bar, scatter and stick graphs, as well as pie and text-only charts.

Easy Formatting
There are no complicated commands to learn. To create a graph, you simply choose options from menus and perhaps select some options by filling in a form; when you've completed your menu selections, you've completed the graph.

Design Flexibility
Choose from 3 different type styles (in addition to your machine type) for titles, legends and annotation copy. Choose from a number of different line styles, line and bar widths, and eight filled patterns to add clarity and emphasis. Add borders, colours and labels wherever you want them.

DR Graph offers complete freedom to use precisely the design elements you want and makes it simple to use them however you want.



More Powerful Features
Bar charts can be stacked, clustered, or arranged in steps or "sticks". Pie charts can include exploded "slices". And annotation can be incorporated, modified, and moved anywhere you want it. Different graph types – line and bar, for example – can be combined within one chart, and as many as four different charts or graphs can be combined on a single page.

See, Store and Print
DR Graph lets you see exactly what you've designed on the screen, then print it or store it on disk to be recalled, printed or updated later.

Level of Difficulty
DR Graph is suitable for use by anyone familiar with simple microcomputer operation.

Hardware Requirements
DR Graph runs on both packages run on Amstrad CPC6128 or PCW8256 computers with one or two disk drives. Hard copy can be produced on any GSX-driveable printer or plotter, such as Amstrad, Epsom or Shinwa printers and the HP7470A plotter.

£49.95 inc. VAT

DR DRAW™

Transform Ideas Into Art
DR Draw lets you create high-quality visual aids for business presentations and reports. Using an interactive picture editor, you can draw a wide variety of charts, diagrams and text slides – quickly and easily.

Use DR Draw to create organization charts. Flow charts. Business logos. Technical diagrams. Maps. Or just about any shape or line drawing imaginable. And each element in your drawing can be enhanced or highlighted with a wide variety of colours and patterns.

Easy To Use!
DR Draw's easy-to-follow menus take you quickly through the creation of picture elements. You can select pre-programmed shapes – circles, bars, arcs, rectangles, polygons, and lines – or create your own pictures by modifying these shapes, using either a mouse or the keyboard. You can also add text anywhere you wish, selecting between a wide variety of type fonts styles.

Design Versatility
Each picture element can be revised with the stroke of a key. Fill a shape with colour or patterns. Enlarge or reduce it. Move it to a new location, or copy it. You can also change type fonts, size, colour, and location with just a few simple keystrokes.

Special Zoom and Pan Features
A special feature of DR Draw lets you zoom in for detailed work, then lets you zoom back out for a view of the entire picture. Or lets you zoom out to fit your picture neatly in a 8.1/2 × 11 or an 11 × 8.1/2 page layout. If you are working on an extra-large drawing, you can pan the screen back and forth over each section.

Create Images on Overhead Transparencies or Paper
When you're finished you can store your drawing on a disk, or you can output to a plotter or printer. DR Draw will print your drawing to exactly fit on a horizontal or vertical 8.1/2 × 11 page. Print on paper, or, for audio-visual presentations, on overhead transparencies.

Hardware Requirements
DR Draw runs on both packages run on Amstrad CPC6128 or PCW8256 computers with one or two disk drives. Hard copy can be produced on any GSX-driveable printer or plotter, such as Amstrad, Epsom or Shinwa printers and the HP7470A plotter.

£49.95 inc. VAT

PASCAL/MT+™

Features Summary

- Superset of ISO standard Pascal
- Separate module compilation
- Efficient native code
- "ROMable" machine code
- Complete development tools
- Enhanced arithmetic functions
- Extended data types

CBASIC COMPILER™

Features Summary

- Speed
- Graphics extensions
- Extended precision decimal arithmetic
- Comprehensive string processing
- Source code compatible with CBASIC
- Multiple line functions

DR GRAPH™

Features Summary

- Simple formatting by menu selection
- Line, bar, combined bar and line, pie and text-only graphs
- Complete control of design elements, including labels, titles, legends, colour, type styles, and borders.
- Up to 4 graphs on one page.
- Variable line and bar widths.
- Interfaces with popular spreadsheet programs
- Annotation
- Store or print hard copy

DR DRAW™

Features

- Easy-to-use menu instructions
- Variable colours, patterns, and type fonts
- Copy, move, scale, or delete functions
- Special zoom and pan functions
- Store your results on disk, or output to a printer or plotter

Benefits

- Produce professional-quality charts and diagrams in minutes
- Enhance or highlight drawings with a wide variety of colours, patterns, and fonts
- Manipulate picture elements with just a few keystrokes
- Zoom in for detailed work. Zoom out to view the whole picture, or to fit the picture on an 8.1/2 × 11 page. Pan between picture sections
- Produce transparencies or paper copies

WHSMITH

ORDER FORM

DR DRAW	☐	**49.95 inc. VAT**
DR GRAPH	☐	**49.95 inc. VAT**
CBASIC COMPILER	☐	**49.95 inc. VAT**
PASCAL/MT+	☐	**49.95 inc. VAT**

To order from the above list of software, tick the required boxes and hand in this form to a member of the computer staff. They will aim to fulfil your order within 48 hours.
All prices quoted were correct at time of going to press.

WHSMITH

Name (Mr / Ms Please delete)

Initials_____ Surname_____

Address_____

_____

_____ Post Code_____

Day Phone Number_____ Date_____