# MORE POWER FOR YOUR BBC MICROCOMPUTER!
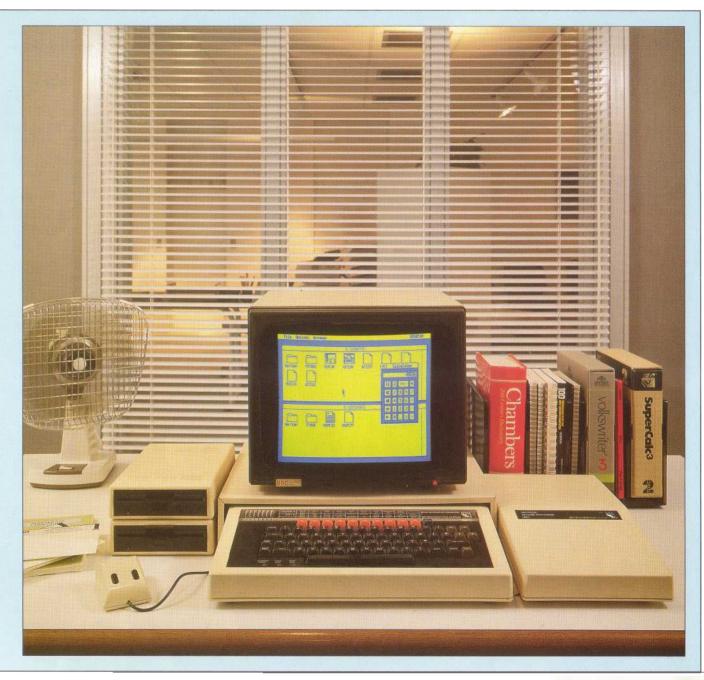
The Universal Second Processor allows you to connect co-processor boards designed for the Master Series to your BBC Models B or B+.

You can run the Turbo board, boosting the BBC's already rapid performance to twice the speed of the standard processor.

You can fit the 512 co-processor, converting your BBC micro into a 16-bit machine, and opening up new possibilities within the world of MS-DOS and CP/M 86.

The Universal Second Processor gives you the opportunity to expand your BBC Microcomputer into new areas, while preserving all the benefits of the well-tried system that you know.

UNIVERSAL SECOND PROCESSOR

## Acorn
### The choice of experience.

## Master co-processors for the BBC Microcomputer Models B or B+

The Universal Second Processor offers new opportunities to those who have learned to value the qualities of the BBC Microcomputer, but would welcome many of the facilities previously only available through the Master Series.

Co-processors which in the past have been reserved for the Master Series can now be connected to the Models B or B+.

The Universal Second Processor is housed in a standard second processor box with its own power supply. Two rows of sockets on the circuit board allow you to fit a Master Series co-processor inside, and the unit is connected to your computer through the standard Tube interface.

The two Master Series co-processors currently available are the Turbo and the 512.

### The Turbo

The enhanced speed offered by the Turbo board is derived from its 65C102 microprocessor, which operates at twice the speed of the standard processor.

The Turbo uses HI-BASIC, a version of the already fast BBC BASIC specially created to optimise the use of memory.

It allows complex program development to be carried out with greater speed and efficiency.

Screen displays can be redrawn rapidly to provide the professional presentations demanded by users of computer-aided design facilities.

Large scale applications needing fast input and output can be supported more efficiently than ever before. Parallel printing and processing is made possible by the Turbo's extended printer buffer.

A BBC Microcomputer connected to a Turbo board also makes an ideal file server on an Econet network.

The Turbo, as its name implies, is about speed—getting the sort of performance from your computer that your programs and applications deserve.

### The 16-bit Microcomputer

The Universal Second Processo1 also offers the exciting possibility of upgrading your BBC B or B+ to a 16-bit machine by fitting the Master 512 co-processor.

This is the board that was developed to convert the Master 128 into a Master 512 capable of running a wide variety of MS-DOS and CP/M 86 based programs. It incorporates a 10MHz 80186 microprocessor, together with 512 Kbytes of RAM.

The 512 co-processor comes with GEM software:

GEM Desk Top gives you all the convenience of icons, windows and pull-down menus to run your packages.

GEM Write is one of the world's most powerful word processors, allowing rapid movement through large documents.

GEM Paint converts your computer into a studio, enabling you to add pictures, titles and diagrams to your word-processed documents.

### Technical Specification

Motherboard with connections for the co-processor.

Built in power supply 220/240V 50-60Hz.

Cable to connect with Tube socket.

The Turbo requires DNFS or a 1770 upgrade with 1770 DFS or ADFS.
The Master 512 requires a 1770 upgrade with ADFS and a dual 80 track disc drive.
Note some MS-DOS software may not function correctly due to the requirement of a numeric key pad.

| Product | Price including VAT | Prder Code |
|---|---|---|
| Universal Second Processor | 86.25 | ANC21 |
| *DNFS ROM upgrade | 20.61 | ANB21 |
| *1770 upgrade | 49.95 | ANB28 |
| *ADFS ROM | 29.99 | ANB29 |

*Model B users may require the replacement of their standard disc filing system by one or more of the above. These may be purchased from your local dealer.

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