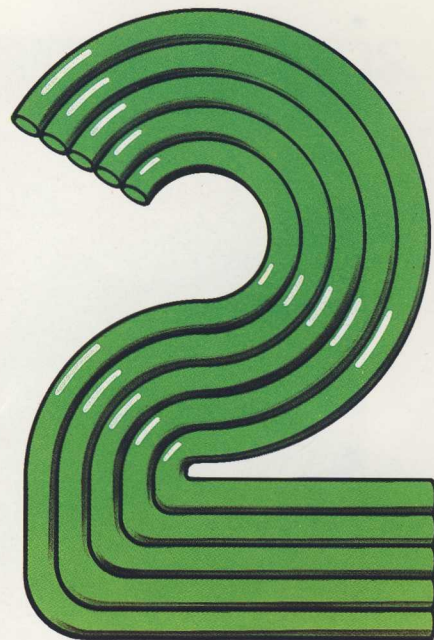
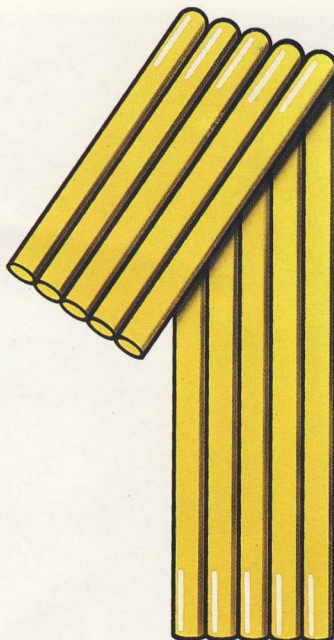




Unicorn.
Open channels
for the BBC micro.



The new UNICORN range gives the enthusiast and the professional user a choice of upgrades which takes the BBC micro to the ultimate height of performance. UNICORN means a wide choice of upgrade channels to transform your BBC into a fully communicating workstation, a complete business machine or a high-powered 32 bit data processor. UNICORN products are fully compatible with the TORCH Professional range, widely used in government and large or small business.



The ZEP 100 Z80 Extension Processor

The object of any upgrade kit is to improve processing ability and to increase data storage capacity. The UNICORN ZEP100 is the first stage upgrade which opens channels into the world of serious computing.

The ZEP100 is the proven 8 bit second processor for the BBC Model B micro. A Z80 extension processor which enables the use of the well established CPN operating system, giving access to the vast range of applications programs and languages available for all CP/M[®] micros. When fitted to a BBC model B microcomputer with compatible high quality disc drives it provides a complete business or scientific computer which can run large applications programs or use advanced languages, with the ability to switch back to standard BBC programs at any time.

Any ZEP100 can be linked, via the Econet[®] option on the BBC, to a network of other TORCH computers to provide a workstation running on TORCHNET. Full TORCHNET operating systems software is provided to allow access to information anywhere on the network, or to communicate with other computers.

The 64K ZEP100 is supplied with full software support including word processing, spreadsheet, database and utilities.

The FDP240 Twin Floppy Disc Pack

The UNICORN twin 400K floppy disc pack is ideal for a BBC micro owner who does not want to make the small additional investment to buy a Z80 disc pack immediately, but who will find two 400K floppies useful for his BBC micro programs until he chooses to purchase the Z80 Extension Processor.

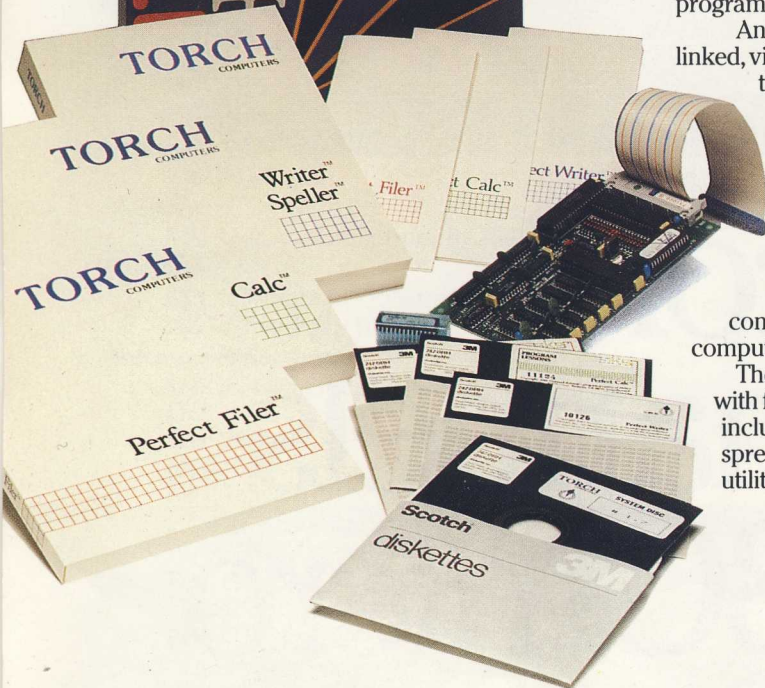
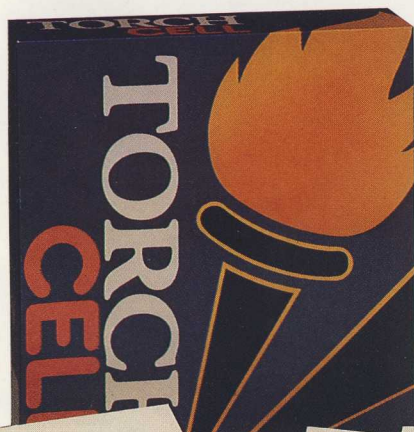
The UNICORN drives are of the highest quality, and are perfect as a foundation to the other components in the UNICORN range. The subsequent addition of the ZEP100 Z80 Extension Processor will



result in a Z80 Disc Pack.

The UNICORN Floppy Disc Pack includes an integral power supply, which has a sufficient rating to accommodate future expansion as well as powering the drives.

The Twin Floppy Disc Pack is compatible with Acorn DFS, and other similar 6502 disc filing systems.





The ZDP 240 Z80 Disc Pack

The UNICORN ZDP240 (Torch Z80 Disc Pack) is the proven upgrade for the BBC Model B microcomputer. Offering the use of more powerful and flexible languages such as Fortran, Pascal, BCPL and Cobol, it provides 800K of disc storage plus a Z80 second processor with 64K RAM running TORCH's own CP/M[®] compatible operating system based in ROM.

This advanced design means that almost all of the 64K RAM provided by the Z80 board is available for CP/M[®] programming use - an advantage no other BBC micro upgrade can offer.

If your BBC micro has the Econet[®] option, there is a further benefit the ZDP240 can offer. TORCHNET can link together up to 254 upgraded Model B's on a local area network, so for enthusiasts, Clubs and Schools it is a simple and low-cost way to achieve networking facilities.

The discs can be used for storage under the Acorn DFS system or for CP/M[®] programs and data.

A comprehensive software package is provided with the disc pack. It includes word and data processing and a spreadsheet program, along with utility programs and manuals.

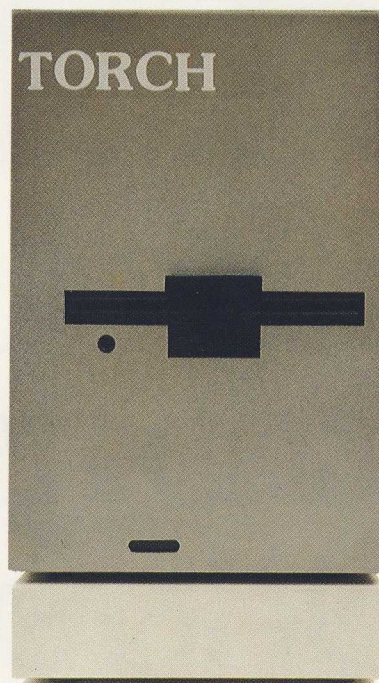
The TORCH Z80 Disc pack is recommended by the CCTA for government use.



The HDP 240 20Megabyte Hard Disc Pack

For users who need much more storage capacity than is available on floppy discs and who require the large speed gains that a Winchester hard disc provides, the fourth new channel is now available. The UNICORN HDP240 combines a 400K floppy disc drive with a 20Mb hard disc and its associated controller. The pack connects directly to the disc and 1MHz bus sockets on the BBC Model B.

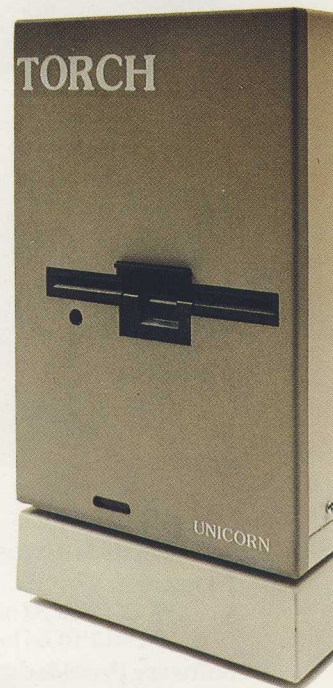
In conjunction with a ZEPI100, it provides a powerful business computer for running CP/M[®] programs with large amounts of data. The floppy disc can be used for storage with the Acorn DFS system, and both discs can be used by other TORCH systems on the TORCHNET local area network.



The HDP68K 68000 Hard Disc Pack

The fifth channel and the top of the UNICORN range is for users who need the extra processing power of a 68000 32 bit processor, as well as the Z80 running standard software. The UNICORN HDP68K provides the ultimate in performance, offering an extra 256K RAM and a 68000 processor running at 8 million cycles per second. It also contains a Z80 processor to allow the running of existing TORCH software.

The recommended 68000 operating system is System III UNIX[®] - the recognised operating system of the 1980's. Other 68000 operating systems are being transferred to the TORCH 68000 system.



UNICORN - the most versatile range of upgrade equipment for the BBC Model B Micro. As flexible as your needs, it offers every BBC Micro owner five new options from extra processing power to the ultimate in 32-bit processing power and data storage.

Tune into the Channel that most suits your requirements. Whichever level you choose you can be sure that you have chosen a system with infinitely expandable potential for a confident future in the world of computing.

Torch Unicorn range-technical specifications.



UNICORN-ZEP100 Z80 Extension Processor

Processor

4 MHz Z80A.

Memory

64K RAM Accessible from the Z80.

Firmware

8K CCCP ROM on ZEP100 card.
16K MCP ROM for BBC board.

Software Provided

TORCH CPN CP/M® compatible O/S.

Disc Utilities.

Music System.

Misc. Utilities.

PERFECT® Software comprising-

Perfect Writer - Word Processor.

Perfect Speller - Spelling Checker.

Perfect Calc - Spreadsheet.

Perfect Filer - Database.

Other Operating Systems Available

UCSD p-System.



UNICORN-FDP240 Twin Floppy Disc Pack

Discs

High quality double sided, 5 1/4 400Kbyte Floppy Disc.



UNICORN-ZDP240 TORCH Z80 Disc Pack

Discs

Double sided, 5 1/4 400Kbyte Floppy Disc.

Processor

4 MHz Z80A.

Memory

64K RAM Accessible from the Z80.

Firmware

8K CCCP ROM on ZEP100 card.

16K MCP ROM for BBC board.

Software Provided

TORCH CPN CP/M® compatible O/S.

Disc Utilities.

Music System.

Misc. Utilities.

PERFECT® Software comprising-

Perfect Writer - Word Processor.

Perfect Speller - Spelling Checker.

Perfect Calc - Spreadsheet.

Perfect Filer - Database.

Other Operating Systems Available

UCSD p-System.



UNICORN-HDP240 20 Megabyte Hard Disc Pack

Discs

20Mbyte Hard Disc Winchester.

Double sided, 5 1/4 400Kbyte

Floppy Disc.



UNICORN-HDP68K 68000 Hard Disc Pack

Discs

20Mbyte Hard Disc Winchester.

Double sided, 5 1/4 400Kbyte

Floppy Disc.

Processors

6MHz Z80B plus 8MHz MC68000.

Memory

64K RAM accessible from Z80.

256K RAM accessible from 68000.

Firmware

8K CCCP ROM on processor board.

16K MCP ROM for BBC board.

Software Provided

TORCH CPN CP/M® compatible O/S.

Disc Utilities.

Music System.

Miscellaneous System Utilities.

PERFECT® Software comprising-

Perfect Writer - Word Processor.

Perfect Speller - Spelling Checker.

Perfect Calc - Spreadsheet.

Perfect Filer - Database.

Other Operating Systems Available

UNIX® SYSTEM III.

UCSD p-System.

Other features of UNICORN range

Compatibility

The TORCH UNICORN range is fully compatible with other TORCH COMPUTERS.

Keyboard and Graphics

Keyboard provided by BBC

Model B.

Text and Graphics provided by BBC

Model B.

Other Software Available for UNICORN range

See TORCH standard software price list.

Languages available for UNICORN range

COBOL	FORTH*
FORTRAN*	LISP
PASCAL*	PILOT
BASIC*	BBCBASIC (Z80)*
PROLOG	BCPL*

(*Special Torch Library provided)

UK version Model B necessary.

Disc interfaces are necessary for use with the Unicorn range.

Text and Graphics provided by BBC Model B.

Keyboard provided by BBC Model B.

Disc interfaces are necessary for use with the Unicorn range.

CP/M is a registered trademark of Digital Research Inc.

Econet is a registered trademark of Acorn Computers Ltd.

Unix is a registered trademark of Bell Telephone Laboratories Inc.

Perfect Software is a registered trademark of Perfect Software Inc.

UNICORN

Open channels for the BBC micro.

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Great Shelford, Cambridge CB2 5LQ, England.
Telephone: Cambridge (0223) 841000

Dealer.