



**SLOGGER**

**Catalogue**





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Dear Electron User,

I am pleased that you have taken the time to read this catalogue which I am sure you'll agree contains many new and interesting products for the ACORN ELECTRON. The ELECTRON itself was never intended to be used solely for playing games as its design lends itself to bigger and better things.

Given the appropriate interface, the Electron's expansion towards that of its big brother, the BBC computer, is easily recognisable whether it be as a dedicated Word Processor, business machine or solely for its use of BBC BASIC.

The Electron can now also be made virtually as powerful as the new BBC MASTER SERIES with the advent of the Slogger MASTER RAM BOARD which provides an extra 32k of usable memory and so we can now truly boast THE FIRST 64k ELECTRON.

I am sure that you will find that the catalogue contains something of interest to everyone but, of course, not everything will be instantly understandable; ROMS, RAMS, ROMBOXES, RAM CARTRIDGES, SHADOW RAM. What do they all mean? What do they all do? I hope that the following information proves useful and of course you can always find us in the Electron User magazine.

For further advice, details of new releases, or for a list of our authorised dealers, contact us at our Gillingham address.

Yours sincerely,

Barry Johnson  
(Sales Manager)

P.S. A quick word of warning. The products carrying the description ROM require the use of one of our ROMBOX range or a ROM CARTRIDGE (if used with the PLUS 1) to be compatible with the ACORN ELECTRON.

## R O M B O X

### ELECTRON ROM EXPANSION

The SLOGGER ROMBOX is now well into its third successful year of production.

The ROMBOX allows Electron users to run ROM based software giving instant access to complete computer programs or providing numerous extensions to BASIC.

The Rombox provides sockets for 8 ROMs which may be the usual 8k (2764) or 16k type (27128) which are most popular on the BBC range of computers. User selectable options enable 4k ROMs and either 8k or 16k of sideways RAM to be used, with full write protect facility for the RAM.

Installation to the back of the Electron takes a matter of seconds, allowing the PLUS 3 disk drive unit to be installed behind it.

With the PLUS 1 also on the system, the ROMBOX offers the simplest solution for the addition of ROMs to the system. The cartridge ports of the PLUS 1 have proven so adaptable that numerous interfaces have been designed for use within them so leaving no vacant slot for ROM Cartridges. With the ROMBOX in front of the PLUS 1, the Electron user can now utilise all 12 free ROM sockets made available by the operating system.

\* FULLY COMPATIBLE WITH ALL ELECTRON ADD ONS.

\* ROBUSTLY CONSTRUCTED AND ATTRACTIVELY DESIGNED, CAN BE FITTED IN SECONDS.

\* COMES COMPLETE WITH COMPREHENSIVE USER GUIDE.

"SLOGGER has produced a valuable piece of hardware which enables the Electron to use its ability to access sideways Roms to the full."

Electron User.

# T H E   R O M B O X   P L U S

## AN IDEAL REPLACEMENT FOR THE ACORN PLUS 1

The ROMBOX PLUS produced by SLOGGER provides you with the more useful facilities of both the ACORN PLUS 1 and the SLOGGER ROMBOX.

It gives you:

- \* 2 Cartridge Ports.
- \* 4 ROM Sockets (which can be used with Sideways RAM).
- \* Centronics Printer Interface with built in Utilities including Print Buffer software and a FREE 8k RAM for use as a Printer Buffer.
- \* Joystick Interface available for use in Cartridge Port.
- \* A comprehensive User Manual and fitting instructions.
- \* Robustly constructed and attractively designed.

Fully compatible with all Electron Disk Drives, Interfaces, Cartridges and ROM Software.

FITTED IN SECONDS

## 1 6 k S I D E W A Y S R A M C A R D

The SLOGGER 16k RAM card enables the Electron microcomputer user to run sophisticated software packages, usually available only on ROM ( Read Only Memory ), directly from Disc.

This removes the need to hold a store of ROMs which are constantly being inserted and removed from the computer.

Once fitted the SLOGGER 16k RAM card can remain a permanent fixture providing an invaluable support capability for such facilities as word processing or alternative programming languages.

- \* Simply plugs into a ROMBOX, or ROMBOX PLUS ROM socket.
- \* No soldering necessary and no trailing wires.
- \* Small and compact design using two 8k static RAM chips.
- \* Allows full sideways RAM capacity of 16k for using previously saved ROM programs from Tape or Disk.
- \* Can be used as 16k printer buffer with suitable software (as provided within the ROMBOX PLUS).
- \* Complete with installation guide.

## THE SLOGGER ROM CARTRIDGE

Slogger's TWIN ROM CARTRIDGE has been designed to allow use of two more ROMs in either the Acorn PLUS 1 or the BBC MASTER SERIES. This allows Electron Users who have the adaptable PLUS 1 to access the growing world of ROM software now available. For example, advanced word processors for the BBC such as STARWORD become instantly available.

The Slogger ROM Cartridge, as with the official Acorn Master Cartridges are supplied with the sockets visible so allowing easy insertion and removal of ROMs. The circuitry is designed in such a way that either 8k or 16k ROMs may be used without any manual switching whatsoever.

## THE SLOGGER SIDEWAYS RAM CARTRIDGE

A new release from Slogger brings Electron Users one more step into line with the BBC Master. A brand new 32k Sideways RAM Cartridge can be used in either the Acorn PLUS 1 or Slogger ROMBOX PLUS for the storing of two separate ROM images. This eases the situation which so often occurs with only one cartridge port available on the system. Another more serious use is for ROM development work which necessitates the use of sideways RAM.

The single cartridge plugs simply into the ROMBOX PLUS or PLUS 1 and immediately occupies the two ROM pages contained within. Using Sloggers ELKMAN, ROMs such as STARWORD and STARSTORE II may be saved onto tape or disk and can then BOTH be loaded AND USED in the single RAM cartridge so occupying only one port leaving one free for, say, a disk interface.

Another use for Sideways RAM is to configure it as a Printer Buffer by utilising the latest Rombox Plus software or PLUS 1 UPGRADE. This will configure one of the two pages as a 16000 byte Buffer so increasing throughput to the Printer to such an extent that your machine may well never be tied up again whilst waiting for a Print session to end.

\* \* \* \* \* T U R B O D R I V E R \* \* \* \* \*

S P E E D U P Y O U R E L E C T R O N

With the TURBO DRIVER board installed your Electron will run in all Modes at its full potential with no "incompatibility" problems. Games, cassette software, Disk software, ROM software, in fact ALL software will run at a speed similar to that of the BBC.

The ELK TURBO DRIVER contains no software whatsoever and this makes the unit transparent to the computer except that the programs run much faster. A typical improvement, say in wordprocessing, may be 100% whereas using high resolution graphics the improvement may be up to 300% !

The TURBO DRIVER board is fitted in place of the 6502 processor which means that the 6502 has to be desoldered. A socket is supplied for fitting into this location. The 6502 can then be discarded as a new one is already supplied soldered onto the board.

For those who are doubtful about soldering and more importantly desoldering SLOGGER are now offering an Installation Service whereby the ELECTRON is sent to us and returned within 7 Days of our receiving the computer.

"An important upgrade well worth having."

A+B COMPUTING, JUNE 1986.

"This upgrade should have been standard on all Electrons. I'd like to know why Acorn didn't think of this when it was designing the original."

ELECTRON USER, JULY 1986.

Designed by Andyk Ltd



\* \* \* \* \* M A S T E R   R A M   B O A R D \* \* \* \* \*

The MASTER RAM BOARD provides an extra 32k of memory to upgrade the standard Electron to a massive 64k. This unit allows the computer to operate with up to 28k free in any mode for either BASIC, Machine Code or Word Processing. This applies to ANY program which does not access the screen directly. Additional to the 28k now free to the user, yet another 12k is available as a Print Buffer. This can be accessed using SLOGGERS latest ROMBOX PLUS software or PLUS 1 UPGRADE ROM.

The speed of the Master RAM allows the Electron to operate at up to 300% of its original speed. Typical improvement in text operations is 100%.

The design of the Master RAM Board ensures compatibility with all add ons such as the ROMBOX PLUS, PLUS 1 and all Electron Disk Drive systems. Software compatibility is also maintained with all good Word Processors such as VIEW and STARWORD having up to 28000 bytes free in Shadow mode. Other memory consuming programs such as STARSTORE and the complete VIEW suite are also enhanced in a similar way.

Games players can switch the Master RAM Board into "Turbo" mode so that games run at the much improved Turbo speed. BBC games, for example Aviator and Strike Force Harrier will now run as if on the BBC and for an extra challenge try "Turbo Snapper" !

Because of the above mentioned speed increase (especially when using games) an OFF position has been built in for those who cannot master the likes of "Turbo Snapper". The Electron in this mode will operate as if the Master RAM Board is not present.

The Master RAM Board itself replaces the 6502 processor within the Electron. For those not confident of soldering, or more to the point desoldering, SLOGGER offer an installation service which guarantees to return your 64k Electron fully tested including ONE YEARS FULL WARRANTY within SEVEN DAYS OF ITS RECEIPT at our Gillingham address.

"I can thoroughly recommend it."

ELECTRON USER, JANUARY 1987.

T H E   S L O G G E R   J O Y S T I C K   I N T E R F A C E

FOR THE ACORN ELECTRON

WITH THE ACORN PLUS 1 OR SLOGGER'S ROMBOX PLUS

This product is supplied as a cartridge to plug into the PLUS 1 or ROMBOX PLUS cartridge ports. Inexpensive digital (Atari type) Joysticks will fit into the 9-way D-type connector. Games which have a joystick option may now be played with a joystick ie. Acornsoft and Micropower games and, of course, SUPERIOR SOFTWARE's REPTON 3.

GAMES WITHOUT THE JOYSTICK OPTION may be used with SLOGGER's NEW \*JOYSTICK command which allows the joystick to look like any key on the keyboard. This means that non-joystick games can now, for the first time ever, be played using joysticks ... even COMBAT LYNX.

The SLOGGER JOYSTICK INTERFACE is compatible with ALL disk systems including the SEDFS, PLUS 3, CUMANA, SOLIDISK and AP4 and is, of course, compatible with both the TURBO DRIVER and MASTER RAM BOARD.

The joystick interface comes complete with an upgrade ROM which has special advantages for PLUS 1 owners with SLOGGERS PLUS 1 UPGRADE ROM being supplied as part of the operating software.

Users of SLOGGERS new TAPE TO DISK copiers will now be able to run their games from disk whilst being able to use a joystick fully at for the first time.

Also available from SLOGGER are VOLTFACE joysticks which are ideally suited to the SLOGGER JOYSTICK INTERFACE.

## S E D S

### The Slogger Electron Disk System

The Slogger Electron Disk System has been designed to be BBC compatible. This means that you can take disks prepared on a BBC computer and use them on the Electron with no fuss.

The combination of the excellent CUMANA Disk Interface which plugs directly into the PLUS 1 or ROMBOX PLUS and the powerful Slogger Electron Disk Filing System (SEDFS) is unbeatable.

Features are:

- ACORN DFS compatible
- PAGE = &E00
- FORMAT, VERIFY and ALL UTILITIES in ROM
- TIME and DATE in ROM
- RUNPROT command for Tape To Disk users
- Command to read 40 track disks in 80 track drive
- Command to optimise speed of drive

The extensive 90 page documentation is designed to provide an insight into the use of a disk system as well as giving full descriptions of all the new extended DFS and utility commands.

### SPECIAL OFFER DISK STARTER PACKS

Due to large purchasing preceding recent price rises, SLOGGER can, whilst stocks last, offer SEDS along with a top quality Mitsubishi Disk Drive from the major BBC suppliers (eg. CUMANA, WATFORD or OPUS) at unbeatable prices.

\* SEDFS can also be supplied as an upgrade to the CUMANA DISK INTERFACE system.

## S T A R W O R D ( R O M )

### THE WORD PROCESSOR FOR THE ELECTRON AND BBC B MICROCOMPUTERS

- \* 40 and 80 column screen modes
- \* 132 column text width maximum
- \* Variable margins and tabs
- \* Formatting and justification
- \* Powerful printer control facilities
- \* Very large documents and letters no problem
- \* Search, Find and Replace commands
- \* Move, Copy and Insert
- \* Extensive Single key Editing
- \* Proper Mailmerge with STARSTORE and STARSTORE II
- \* Text spooling
- \* Headers, footers and Page Numbers
- \* Text remains through BREAK
- \* Built-In Printer Driver for Epson Compatible Printers
- \* A Printer Driver available for non-Epson Compatibles
- \* 120 page well written manual
- \* Easy to use

"It is certainly the most powerful currently available for the Electron".

ELECTRON USER, APRIL 1986.

"A sophisticated Word Processor to rival Wordwise and View on the BBC".

A+B COMPUTING, 1986.

### STARWORD CUMANA FOR THE CUMANA DISK INTERFACE

- \* An enhanced version of STARWORD has been developed which uses the features of the CUMANA clock to allow Day, Date and Time Stamping when printing.

### P R I N T E R D R I V E R G E N E R A T O R ( R O M )

- \* A Printer Driver for use with STARWORD when using a non-Epson Compatible Printer.
- \* Allows use of ANY Parallel Printer.
- \* Easy to operate.

## S T A R S T O R E ( R O M )

### ELECTRON DATABASE

As many Electron users have cassette filing systems, they become left out when it comes to databases. Now SLOGGERS STARSTORE database, designed specifically for the Electron with ROM extension units such as the SLOGGER ROMBOX PLUS, allows both TAPE and DISK users to run a very simple to use but effective database on the Electron.

The most useful database functions are incorporated:-

- Edit field
- Add field
- Delete field
- Alter field names/sizes
- Searching
- Sorting
- Printing

and can be integrated with SLOGGERS STARWORD for personalising standard letters (mailmerge).

Because the database is memory orientated it is very fast to use, giving a maximum of 255 records, 30 fields per record, and 1-127 characters per field for every database.

"Starstore is a superb database for Electron users on its own, and gives added value when combined with Starword."

ELECTRON USER, SEPTEMBER 1986.

# STARSTORE II (ROM)

## AN ADVANCED DATABASE FOR DISK USERS

A new improved more powerful database now available on ROM for Electron, BBC and MASTER disk users.

A database is a program written to act as a storage and retrieval system for many different uses, the most popular being as an address book.

But STARSTORE II is much more than that. How about, for example, an address book with up to 9999 names? Or a club membership list? The list of possibilities is endless.

Starstore II of course offers the usual database functions such as saving and reloading of files, full editing and updating facilities including the adding or deleting of records or fields. Also, both searching and sorting are provided to help maintain well ordered files.

Being disk based, the problems of saving to cassette are a thing of the past and along with the fact that STARSTORE II is supplied on ROM, it means that operation of the program is instantaneous. The program is menu driven, pleasantly designed and is simplicity itself to operate.

The more powerful features of STARSTORE II include the ability to format the printed output. In layman's terms, this means that the user can decide where on the printed page to place different fields. It is also possible to select the fields to be printed so optimising the amount of paper to be used.

Starstore II is compatible with all add on units including all disk systems (although use with the Cumana DFS is not advisable). When used in conjunction with SLOGGER's STARWORD, the user can produce personalised letters with the names being extracted from within STARSTORE II itself. This is known as MAILMERGING.

- \* A maximum of 90 fields
- \* A maximum 10 character field name
- \* 255 characters per field
- \* Maximum 9999 records

T A P E T O D I S K C O P I E R S

VERSION 2 - NOW MORE SUCCESSFUL - SOLIDISK CRACKED !

This ROM based software package will enable users to transfer most games from tape onto the SEDFS, PLUS3, CUMANA, SOLIDISK or AP4 disk systems. The time taken to load and run a game is now very much reduced because of the much faster transfer rate of the disk system.

The memory used by the ADFS does not affect the operation of T2P3 and even very large games may be transferred. This has been achieved by programming the T2P3 with ADFS operations but using the minimum of memory within the Electron.

A large number of games may be transferred to a single disk, and once there, may be loaded and run by selecting the appropriate game from the menu.

The following is a list of the more popular games which transfer successfully. Since these games have a greater degree of protection than most others it is more than likely that games not on the list will transfer without much difficulty.

ELITE	ACORNSOFT	STOCK CAR	MICROPOWER
HOPPER	ACORNSOFT	JET POWER JACK	MICROPOWER
SNAPPER	ACORNSOFT	KILLER GORILLA	MICROPOWER
PLANETOIDS	ACORNSOFT	GHOULS	MICROPOWER
SNOOKER	ACORNSOFT	DANGER UXB	MICROPOWER
CHESSE	ACORNSOFT	COMMANDO	ELITE
ARCADIANS	ACORNSOFT	HELL HOLE	ALLIGATA
AVIATOR	ACORNSOFT	BUG BLASTER	ALLIGATA
THRUST	SUPERIOR	FRAK	AARDVARK
REPTON 2	SUPERIOR	MINI OFFICE	DATABASE
REPTON 3	SUPERIOR	PHANTOM COMBAT	DOCTORSOFT
OVERDRIVE	SUPERIOR	CHUCKIE EGG	A & F

To upgrade from Version 1 to Version 2 please return your old ROM with a cheque for 5.00 and we will replace it by return of post.

V E R S I O N 2

T 2 P 3	for the Acorn PLUS 3
T 2 C U	for the CUMANA DFS
T 2 S E D F S	for SEDFS in the CUMANA INTERFACE
T 2 S D	for the SOLIDISK DFS
T 2 P 4	for the ACP AP4 or EOO DFS

# S T A R G R A P H ( R O M )

## GRAPHICS EXTENSION

Stargraph is a service ROM designed to fit into any ROM expansion socket, and will provide some useful extensions to the graphics commands already available on the Electron or BBC computers.

Stargraph is completely compatible with the Plus 1 and Plus 3 interfaces on the Electron, and may be used with either or both of these products.

Stargraph can :-

Display text strings of variable sized characters anywhere on the screen and at any angle or colour.

Draw circles, ellipses, and polygons any size, anywhere on the screen, in any colour, at any angle with the greatest of ease.

Fill any shape on the screen, in any colour.

Print the complete or part of a graphics screen to an EPSON compatible printer.

Save the contents of any complete or part of a graphics screen to disk or cassette file.

Print a previously saved file to any EPSON or EPSON COMPATIBLE PRINTER.

And MUCH more.

Stargraph comes with a comprehensive instruction manual, covering all aspects of the usage of the ROM, with helpful examples.



## E L K M A N ( R O M )

### R O M M A N A G E R

ELKMAN is a very versatile utility which provides the user with the ability to manage Sideways ROMs. ROMs can be turned on, off or even disabled completely, even after CTRL-BREAK. The PLUS ONE, it's Cartridges and any Interfaces fitted inside can also be easily controlled.

ELKMAN also supports the use of 8k or 16k Sideways RAM using one simple command to save ROMs to Tape or Disk and another to load the saved program back into Sideways RAM.

ELKMAN can also report the names of all the ROMs present in the system, giving details of their size, whether the device is ROM or RAM or even empty. ROMs can also be PEEKED, POKED, or transferred from one area to another.

ELKMAN allows you to identify ROMs either by name or Sideways ROM number. All ELKMAN'S facilities are explained in the clear and detailed manual with examples on the use of each command.

SLOGGER also produce a ROM manager for the BBC B and BBC+ called BEEBMAN which offers all the functions of ELKMAN, part of which has already been simulated on the BBC MASTER i.e. the INSERT and UNPLUG commands.

"Elkman is well written and simple to use. The documentation is excellent. I can recommend Elkman to all serious Electron Users."

Electron User.

# S T A R M O N

## THE MACHINE CODE MONITOR

### FOR THE ELECTRON AND BBC MICROCOMPUTERS

STARMON is a ROM based Machine Code Monitor which has a powerful and easy to use command repertoire making it very "user friendly"

Advanced debugging facilities are provided which include a continuous display of memory and 6502 registers in binary, hexadecimal, decimal or octal. The contents of memory and processor registers may also be altered easily.

All '\*' commands can be executed directly, including programming of user defined function keys for frequently used commands. Machine code programs, including Operating System routines, may be called passing through user set values for all 6502 registers.

Breakpoints in the program flow may be specified, allowing monitoring of instantaneous values of registers and memory at discrete points in the program. These breakpoints may be specified as STOP, STOP with AUTO-RESTART, which may also be qualified with logical "AND/OR" conditions. STARMON also provides a facility to single step through programs, including Operating System and ROM based routines.

"This whole package would be very useful to anybody keen to program, or even just dabble in Machine Code. It is a thoroughly professional piece of firmware."

Electron User.

\*T R E K

T H E C O M P L E T E D I S A S S E M B L E R

\*TREK offers a facility not made available before...it actually COMMENTS whilst it disassembles .

Machine code programming and techniques can now be revealed using the ULTIMATE DISASSEMBLER.

\*TREK can not only disassemble machine code in RAM but it may also be used on the MOS and Sideways ROMs. You can even disassemble \*TREK itself.

\*TREK can disassemble line by line, page by page or simply scroll quickly through the program, pausing to study interesting areas.

Some of the features include : -

- ...Entry of labels.
- ...Entry of tables.
- ...Halt current disassembly & enter new start & finish addresses.
- ...Change the screen mode
- ...Printer ON / OFF
- ...Enable / disable ASCII code display
- ...Enable / disable comments
- ...ROMs can be temporarily disabled

\*TREK can also be used to decipher the meanings of various operating system commands and use of BASIC memory locations by using its own \*OSBYTE, \*OSFILE, \*OSFIND, \*OSWORD, \*FX and \*MEMORY commands.

"\*TREK is an extremely useful and versatile tool and a virtual necessity for the machine code programmer."

ELECTRON USER, FEBRUARY 1987.

## P L U S 1 U P G R A D E

To ensure compatibility with the Acorn PLUS 1, SLOGGER have used the unit quite considerably. However, we felt that a number of minor improvements could be made to the software.

It was found that the original software could cause problems when attempting to load or save certain programs with either tape or disk using Electron modes 0-3. This has been overcome with the SLOGGER Plus 1 Upgrade.

When using the Acorn Plus 1, it is a fact that any language ROM other than BASIC (such as STARWORD) will initialise on switch-on. This is all very well if the system is intended for use as a dedicated word processor but it can be inconvenient if BASIC is the language most used.

The SLOGGER Upgrade for the Plus 1 initialises the highest priority language (normally BASIC) therefore allowing lower priority languages to be selected via their particular '\*' command.

The SLOGGER Plus 1 Upgrade also increases the speed of the system as a whole with the PLUS 1 present.



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