

**The
Ultimate
Assembly
Language
Development
Tool . . .**



ADE plus ... THE ULTIMATE LANGUAGE DEVELOPMENT TOOL

ADE plus comes as 2, 16K ROMS. The first ROM contains a memory management system and a print spooling system. This module also contains a full specification linker for 65COO series object modules. The linker can be used with SYSTEM assemblers and compilers or with compilers that you write using the ADE plus development kit. There are 20 basic commands in this module: ASM, CLOSE, DEBUG, EDIT, GO, INPUT, LINK, LOPT, MODE, OPT, OUTPUT, PRINT, PROT, RESET, STAT, TIME, LLIB, MLIB, UNPROT and ZASM. The linker has library facilities, cross referencing and memory usage statistics. Using the linker long assemblies are a thing of the past. Programs are designed in a modular way and each module is separately assembled. Modules are then linked to produce the final working program. The print spooling system uses up to 64K of sideways RAM as a print buffer in a simple, legal extension to the operating system. Use the print spooler from BASIC on your own programs as well as ADE plus. No more waiting for long listings! The memory management system makes sure ADE plus modules use ALL the available memory on your system. With a second processor attached up to 30K of memory can be idle. Not with ADE plus! All your memory is used via operating system calls in a legal and well behaved manner. ADE plus does not interfere with other software in your system.

ASM6500

ASM6500 is a 65COO series macro assembler. The full CMOS instruction set is available. ASM6500 is faster than the inbuilt BASIC assembler, and thus faster than any other assembler on the market for ACORN machines. You can assemble from disc or memory. There are over 55 powerful pseudo-ops to control every aspect of the assembly!

Features

Assembler features include automatic search of macro libraries for unknown instructions. Essential features can be switched on and off with assembler options that can be set globally from: the ADE plus command level, locally on the assembly command line, or from within the program. These options control the listing and the behaviour of the assembler. Options exist to pause when an error is found and to list full error messages including detailed descriptions of syntax errors. 65C12 mnemonics can be excluded allowing assembly of 6502 programs. The source program may be tokenised for efficient memory and disc use. Output from the assembler is either an absolute program in Acorn filing system format or a linker module. Local labels are standard in the famous SYSTEM BLOCK format imitated by ADE's competitors. Labels are unrestricted by name length. Macros can be nested. Powerful block structures can be implemented using REPEAT... UNTIL and WHILE... WEND. Conditional assembly can be accomplished by using IF... ELSE... FI.

Text Editor

The ADE plus Text Editor is a screen based editor in 40 or 80 columns with all the usual features including block move, copy and delete. The editor also has special features like GOTO label and GOTO line number to assist programmers in their work.

At last, a machine code development system that *really* does outperform ADE Introducing...



Pseudo-ops and Directives

ORG, EXEC, MSW, DSECT, DEND, ASECT, CSECT, RSECT, END, MODULE, EQU, =, QUERY, QSTR, ENT, EXT, MACRO, ENDM, GET, BLOCK, OPT, LST, LLST, TTL, SKP, PAGE, WIDTH, LISTO, SYSVDU, GEQ, RZP, PAUSE, EMBED, RESUME, SYSEFX, SYSCLI, INFO, STOP, ASC, STR, DC, MSB, DFB, DB, DW, DDB, DS, HEX, DATA, QSTR, IF, ELSE, FI, DO, REPEAT, UNTIL, WHILE, WEND, INCLUDE, CHN, MACLIB and OBJ.

Debugger

ADE plus incorporates a front panel debugger with full register, memory editing and single step.

Documentation

The ADE plus system is supplied with a full typeset manual containing a tutorial guide to the assembler, editor, linker and command level. It also comes with a reference guide on all aspects of the ADE plus system which allows you the flexibility of writing your own modules that simply plug into it. For example, you can write your own compilers. A utilities disc is provided containing programs for any 65C00 assembler and libraries of macros and linker modules, as well as useful utility programs.

Expandability

ADE plus contains commands to use a symbolic debugger, a whole range of text editors, and in the near future even a Z80 assembler will be available.

SYSTEM GENERIC



SYSTEM GENERIC SOFTWARE is guaranteed compatible on all of the following: BBC B, BBC B+, BBC MASTER, BBC MASTER *Compact*, and all ACORN DFS, ADFS, NFS and ANFS filing systems.

Please complete the order form below to order your copy of ADE plus and mail to SYSTEM Software, 12 Collegiate Crescent, Sheffield S10 2BA. Tel. (0742) 682321

Name: _____

Company: _____

Address: _____

Telephone: _____

Please Supply:

_____ ADE plus on disc at £42.00 per copy plus £6.30 vat

(ADE plus management system and 65C00 series assembler on disc)

_____ ADE plus on EPROM at £46.00 each plus £6.90 vat

(ADE plus management system and 65C00 series assembler on EPROM)

_____ ADE plus on cartridge at £49.00 each plus £7.35 vat

(ADE plus management system and 65C00 series assembler on EPROM cartridge)

_____ Upgrade, ADE to ADE plus at £27.00 plus £4.05 vat

(Upgrade to either, disc, EPROM or cartridge, you must send in ADE ROM chip)

_____ Upgrade, ASM to ADE plus at £35.00 plus £5.25 vat

(Upgrade to either, disc, EPROM or cartridge, you must send in ASM ROM chip)

Add £1.25 per unit for post and packing.

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