

Advanced 1770 DFS by Advanced Computer Products

Advanced Computer Products have totally re-written the Acorn 1770 DFS, enhancing existing features and adding new ones. The result is probably the most powerful and fastest disc filing system your computer could have. With the ability to operate in double density, files can now be as large as 640K occupying both sides of a disc, and automatic file relocation means you will no longer get the CAN'T EXTEND error. And with improved file handling, the Advanced 1770 DFS means any application which uses files, especially databases, can now run much faster.

Features:

- * fully Acorn DFS compatible
- * sideways RAM can be used as a fast RAM disc
- * 400K disc capacity in single density
- * 640K disc capacity in double density
- * upto 10 files can be open at once
- * 62 file catalogue
- * wide catalogue display in 80 column modes
- * automatic file relocation
- * supports internal drives 4-7 (Master only)
- * improved file handling
- * utilizes 65C12 instruction set for greater speed (Master only)
- * options for auto-stepping, auto-density, defining track skew
- * better OSWORD & 7F emulation

Bench Test Comparisons (in seconds)

Test	A.C.P. Advanced 1770 DFS			Acorn ADFS	Acorn 1770 DFS
	RAM DISC	DENSITY (double/single)			
READ 16K (OSBGET)	10.83	14.13	14.64	26.38	26.16
WRITE 16K (OSBPUT)	10.49	14.12	14.61	30.03	25.94
READ 16K (OSGBPB)	0.15	1.32	1.82	1.78	14.63
WRITE 16K (OSGBPB)	0.16	1.31	1.82	1.78	14.65
MOVE PTR 16K from EOF	0.13	1.53	2.03	15.66	14.79
MOVE EXT 16K from EOF	0.13	1.53	2.03	15.66	
LOAD 16K FILE	0.18	1.93	2.44	2.58	2.03
SAVE 16K FILE	0.15	1.33	1.83	1.80	1.83
Average Time	2.50	4.65	5.15	11.99	12.50

(The above tests were performed on a Master 128)

The Advanced 1770 DFS Commands

<u>Command</u>	<u>Description</u>
ACCESS	- Sets/Unsets file protection on a named file
APPEND	- Appends keyboard entries to an existing BUILD file
BACKUP	- Copies the whole of one disc onto another disc
BUILD	- Causes keyboard entries to be stored in a named file
CAT	- Displays the catalogue of a disc
CLOSE	- Closes all sequential access files that are open
COMPACT	- Collects all free disc space into one contiguous block
COPY	- Copies all specified files from one disc onto another
CREATE	- Creates a new file entry without saving any information
DELETE	- Removes a single named file from a disc
DESTROY	- Removes all specified files from a disc
DIR	- Specifies/Displays the current directory
DISC	- Enters the filing system in single/double density mode
DRIVE	- Specifies/Displays the current drive and drive options
DUMP	- Displays a hexadecimal listing of a named file
ENABLE	- Overrides the Go (Y/N) ? prompt before dangerous commands
EX	- Displays file information about a specified directory
EXEC	- Puts all bytes from a named file into the keyboard buffer
FILES	- Displays all sequential access files that are open
FORM	- Formats a blank disc with a small or large catalogue
FREE	- Displays the amount of free space on a disc
HELP	- Displays the filing system commands with their syntax
INFO	- Displays file information about specified files
LIB	- Specifies/Displays the current library
LIST	- Displays a text file in GSREAD format with line numbers
LOAD	- Reads a file into memory
MAP	- Displays a map of the free space on a disc
MAXFILES	- Changes/Displays the number of files that can be opened
OPT 1	- Switches on/off messages which accompany disc accesses
OPT 4	- Specifies the auto-start option on a disc
OPT 5	- Specifies the disc options for a particular drive
OPT 6	- Specifies the track skew for single density mode
OPT 7	- Specifies the track skew for double density mode
PRINT	- Displays a text file in pure ASCII
REMOVE	- Removes a single named file without error messages
RENAME	- Changes a file's name
RUN	- Loads and runs a machine code program
SAVE	- Saves a specified part of memory on a disc
SPOOL	- Transfers all screen characters into a named file
SPOOLON	- Appends all screen characters to an existing SPOOL file
SRDRIVE	- Specifies/Displays the RAM drive number
SRFORM	- Formats the RAM drive with a small or large catalogue
SRRAMS	- Specifies/Displays the RAM pages assigned to the RAM drive
TITLE	- Specifies/Removes the title of a disc
TYPE	- Displays a text file in GSREAD format with line numbers
VERIFY	- Checks the whole of a disc for disc read errors
WIPE	- Removes specified files from a disc with Y/N prompts
WORK	- Specifies/Displays the name of the WORK file