# ACCESS
Software Incorporated

## MACH 5 ™

## CARTRIDGE

# INSTRUCTION MANUAL
### for
## COMMODORE 128/64 ™
## and 1541/1571 DISK

# CARTRIDGE FAST LOADER

NOTE: Mach5 is designed for use with the Commodore C128/C64TM and
1571 or 1541 or compatible disk drive.

## SET UP

1. Make sure that your computer is turned OFF before inserting or removing
   your Mach5 CARTRIDGE.
2. Insert the Mach5 CARTRIDGE into the cartridge slot located at the rear right
   corner of the computer.
3. Turn on your disk drive(s) and your computer. After the computer has been
   turned on, the words 'Mach-5 V-XX LOADER ENGAGED' will appear on the
   screen.

### MENU

Type "← M," to display the command menu at any time that the cursor
is flashing.

The following commands are available with Mach5 CARTRIDGE.

| COMMAND | FUNCTION |
|---------|----------|
| $ | List a directory on the screen without erasing the progam in memory. |
| | While listing a disk directory to the screen, the display scrolling may be paused and unpaused by pressing the 'space' bar. |
| | To load a file from a directory that has been listed to the screen, simply move the cursor to the left most column next to the file name, and use the appropriate command to load the file. Mach5 will then attempt to load the file by accessing the most current drive used (see @ DN command). |
| @COMMAND | Send a DOS command to the most current disk drive **(Example: @i is the same as OPEN 15, DN, 15,"I":CLOSE 15).** |
| | By pressing the '@' key (which is used to send a command to the drive) and the 'return', the error condition of the most current drive may be displayed. |
| @DN | This command is essentially the same as the BASIC command 'POKE 186,DN' where DN is a drive number from 8 to 11. All load, save and DOS commands will refer to this most currently designated drive number for drive operations. |
| / FILENAME | The same as **LOAD "FILENAME",DN.** |

| Command | Description |
|---|---|
| £ *FILENAME* | The '£' key, followed by a file name, will not only load a BASIC file, but will also immediately run the file. EXAMPLE: LOAD "FILENAME", DN:RUN. |
| ↑ FILENAME | The same as **LOAD "FILENAME", DN,1.** |
| = FILENAME | The same as **SAVE "FILENAME", DN.** |
| ← * | The same as **LOAD "*",8,1:RUN.** When using the '← *' command, if the file does not auto-execute, the file will now be made to execute. EXAMPLE: LOAD ":*,DN,1:RUN. |
| ← P | The same as **OPEN 4,4,7:CMD4** (Printer open for upper/lower case). |
| ← U | The same as **OPEN4,4:CMD4** (Printer open for upper case/graphics). |
| ← C | The same as **PRINT #4:CLOSE 4** (Close printer channel). |
| ← L | The same as **LOAD "(add FILENAME", DN).** |
| ← S | The same as **SAVE "(add FILENAME", DN).** |
| ← M | Display Mach5 menu. |
| ← R | Disable 1541 drive RATTLE ON ERROR for most current drive. (To re-enable, turn drive off and on). |
| ← D | Disable FAST LOADER and save but retain commands. |
| ← E | Enable MACH DOS routines. |
| ← H | Hard copy print out of the screen. Works in 'DIRECT' mode only. |
| ← O | 'O' will restore a BASIC program previously 'NEW' d, or restore the program after a system reset. (This is equivalent to the BASIC command 'OLD'). |
| $HHHH | This command will convert and display on the screen the hexidecimal, decimal and binary of the 4-digit hex number input. (EXAMPLE: $1F09). |
| + DDDDD | This command will convert and display on the screen the hexidecimal, decimal and binary equivalent of the decimal number input (EXAMPLE: + 1394). |
| % BBBBBBBB-BBBBBBBB | This command will convert and display on the screen the hexidecimal, decimal and binary equivalent of the binary number input. (EXAMPLE: %0011101011001000). |
| @F:DISK NAME, ID | This is a 10 second disk format for use on 1541 drives. The diskname must be from 1 to 16 digits, and the ID must be 2 digits. When this command is invoked, the drive light will NOT turn on while formatting, but it will turn on briefly at the end of formatting to indicate a successful format. If, when the directory is listed, the disk has not been properly formatted, simply initialize the drive and repeat the format command. |

**ADDITIONAL INFORMATION**

- To disable COMMANDS, but not affect the MACH DOS, type SYS57043.
- To enable COMMANDS ONLY type SYS57054.
- To enable COMMANDS and MACH DOS, type SYS57051.
- To enable MACH DOS only, type SYS57003.
- The directory list command "$" will use the most current drive number. You may directly select a device by using the @ DN command, where DN = drive number (8-11).
- Users of SYSRES (TM by Solidus International) can do fast program file loads with Mach5, but must use conventional BASIC syntax (i.e. LOAD "FILENAME",DN).
- There are very few programs that will not load with Mach5 engaged. If a program does fail to load, try typing "← D" to disable the MACH DOS rather than removing the cartridge. The time required to load a program depends on many factors, including booting technique, error checking, etc. Speeds up to 500% of normal are possible with long, single file program loads. With copy protected programs, it is usually possible to save a few seconds as well as drive wear by disabling the drive rattle. Some programs, however, may not load properly with the rattle disabled.
- After the computer is first turned on, be sure and wait for the disk light to go out before accessing the disk with a command such as "$".
- If a scrambled (non-working) screen occurs when Mach5 CARTRIDGE and/or a printer, interface is connected to your printer the problem is most commonly a weak or failing power supply. See your local Commodore dealer and try a different power supply.

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